



OFFICE OF THE
VICE-PRESIDENT, ACADEMIC

TEL +1 778 782 3925
FAX +1 778 782 5876
sfu.ca/vpacademic

Simon Fraser University
Strand Hall 3100
8888 University Drive
Burnaby BC
Canada V5A 1S6

MEMORANDUM

ATTENTION: Senate

TEL

FROM: Jon Driver, Vice-President, Academic and Provost *pro tem*, and Chair, SCUP

RE: Centres and Institutes Annual Progress Reports 2018/19 (SCUP 19-27)

DATE: October 15, 2019

TIME

At its October 9, 2019 meeting, SCUP reviewed for information the Centres and Institutes Annual Progress Reports 2018/19. These are attached for the information of Senate.

c: J. Johnson
D. O'Neil

MEMO

**ATTENTION Jon Driver, Chair, Senate
Committee for University Priorities (SCUP)**

TEL

FROM Joy Johnson, Vice-President, Research and International

RE Centres and Institutes Annual Progress Reports 2018/2019

DATE September 26, 2019

TIME

As specified under SFU Policy R 40.01 "Research Centres and Institutes", I am pleased to submit to the Senate Committee for University Priorities (SCUP) the annual reports on the activities of the research centres and institutes.

The research Centres and Institutes are an integral part of Research at SFU. Research Centres are non-departmental academic or administrative units established for the purposes of facilitating collaborative research mainly within a Faculty, and report to the Faculty Dean. Research Institutes are created to facilitate collaborative multi-disciplinary research between different Faculties or multi-university initiatives and to provide research-related services to the community. Research Institutes report to the Vice-President, Research and International.

Please note that major revisions to Policy R 40.01 were approved by the Board of Governors on September 26, 2019. These reports comply with the previous version of R 40.01 (attached) which was in effect at the end of the reporting cycle.

Please forward the report to Senate and the Board of Governors for information.

Attachments: Submissions Status Summary
Policy R 40.1 "Research Centres and Institutes"
Annual Progress Reports

cc: Faculty Deans

Annual Progress Reports Submissions Summary

*This list does not include the Centres/Institutes that are due for renewal this year.

Institutes

Name	Director	Issues	
Centre for Forensic Research	Anderson, Gail	None	
Behavioural and Cognitive Neuroscience Institute	Ribary, Urs	None	
Canadian Institute for Studies in Publishing	Maxwell, John	None	
Centre for Education Research and Policy	Friesen, Jane	No report submitted	
Centre for Imaginative Education	Fettes, Mark	None	
Centre for Operations Research and Decision Sciences	Lu, Zhaosong	None	
Centre for Studies in Print and Media Cultures	Dowson, Rebecca	No report submitted	
Indigenous Research Institute	Kelly, Vicki	None	
Institute for Canadian Urban Research Studies	Andresen, Martin	None	
Institute for Diaspora Research and Engagement (IDRE)	Francis, June	None	
Institute for Environmental Learning	Zandvliet, David	None	
Institute for Transpacific Cultural Research (ITCR)	Leung, Helen	None	
International Centre for Criminal Law Reform and Criminal Justice Policy	German, Peter	None	
International Centre of Art for Social Change	Marcuse, Judith	None	
International CyberCrime Research Centre (ICCRC)	Frank, Richard	None	
Science and Technology for Aging Research (STAR)	Sixsmith, Andrew	None	
Pacific Institute for the Mathematical Sciences (PIMS)	Adcock, Ben	None	
TRIUMF	Bagger, Jonathan	None	
Vancouver Institute for Visual Analytics (VIVA)	Bartram, Lyn	None	
Western Canadian Universities Marine Sciences Society (Bamfield)	Rogers, Sean	None	

Centres

Arts and Social Sciences

Name	Director	Issues	
Centre for Comparative Muslim Studies	Ghazal, Amal	None	
Centre for Global Political Economy	Mann, Geoff	None	
Centre for Public Policy Research	Olewiler, Nancy	None	
Centre for Scottish Studies	McCullough, Katie	None	
Centre for the Study of Public Opinion and Political Representation	Weldon, Stephen	None	
Criminology Research Centre	Wong, Jennifer	Centre shutting down	
David Lam Centre	Hathaway, Michael	None	

First Nations Language Centre	Ignace, Marianne	None	
Gerontology Research Centre	Wister, Andrew	None	
Institute for Studies in Criminal Justice Policy	MacAlister, David	Centre shutting down	
Institute for the Humanities	Gandesha, Samir	None	
Institute for the Governance Studies	Smith, Patrick	None	
Mental Health, Law and Policy Institute	Roesch, Ronald	None	
Stavros Niarchos Foundation Centre for Hellenic Studies	Krallis, Dimitrios	None	
Centre d'études francophones Québec-Pacifique	Guilbault, Christian	None	
The SFU Morgan Centre for Labour Research	Strauss, Kendra	None	

*The Criminology Research Centre and the Institute for Studies in Criminal Justice Policy did not submit annual progress reports and indicated that they are in the process of shutting down the centres

Beedie School of Business

Name	Director	Issues	
CPA Innovation Centre	McCarthy, Ian	None	
Centre for Corporate Governance and Sustainability	Bertels, Stephanie	None	
Charles Chang Institute for Entrepreneurship	Lubik, Sarah	None	

Education

Name	Director	Issues	
Centre for Education, Law and Society	Cassidy, Wanda	None	
Centre for the Study of Educational Leadership and Policy	Pidgeon, Michelle	None	
David Wheeler Institute for Research in Mathematics Education	Campbell, Stephen	None	
Centre for Research on Early Child Health and Education (CRECHE)	Hoskyn, Maureen	No report submitted	
Institute for Studies in Teacher Education	Bullock, Shawn	No report submitted	

Communication, Art and Technology

Name	Director	Issues	
Bill Reid Centre for Northwest Coast Art Studies	Myles, Bryan	None	
Centre for Policy Research on Science and Technology (CPROST)	Jin, Dal-Yong	None	
Centre for Policy Studies on Culture and Communities	Druick, Zoe	Centre shutting down	

*The Centre for Policy Studies on Culture and Communities did not submit an annual progress report and indicated that they are in the process of shutting down the centre because funding reached its end.

Environment

Name	Director	Issues	
Centre for Sustainable Development	Atasoy, Yildiz	None	
Centre for Tourism Policy and Research	Haegeli, Pascal	None	
Co-operative Resource Management Institute	Moore, Jonathan	None	
Pacific Water Research Centre (PWRC)	Adeel, Zafar	None	

Health Sciences

Name	Director	Issues	
Centre for Applied Research in Mental Health and Addiction	Small, Will	None	
Children's Health Policy Centre	Waddell, Charlotte	None	
HIV/AIDS Research Centre (HRC)	Hogg, Robert	None	

Science

Name	Director	Issues	
Centre for Cell Biology, Development, and Disease (C2D2)	Leroux, Michel	None	
Centre for Experimental and Constructive Mathematics	Monagan, Michael	None	
Centre for High-Throughput Chemical Biology (C-HTCB)	Linington, Roger	None	
Centre for Natural Hazard Research	Ward, Brent	None	
Centre for Wildlife Ecology	Ydenberg, Ronald	None	
Evolutionary and Behavioural Ecology Research Group	Ydenberg, Ronald	None	

Note about submission process and reminders:

The office of the Vice-President Research and International continues to make efforts to facilitate the reporting process through improvements to the online reporting portal and communication with the Directors and the Deans.

The reporting process starts on May 31st with the call for reports, and ends on August 31st after the reports and renewal applications have been submitted and reviewed. The call for reports is followed by a reminder 10 days prior to the deadline. After the June 30th deadline, we follow up individually with Centres and Institutes Directors who did not submit reports. The Deans are then provided with the list of outstanding reports.



SIMON FRASER UNIVERSITY

POLICIES AND PROCEDURES

Date	Number
April 3, 2002	R 40.01
Revision Date	Revision No.
January 28, 2010	A

1. Purpose

The purpose of this policy is to define Research Centres and Research Institutes, the intended scope of their activities, and their required governance and reporting structures.

2. Definitions

Research Centres are non-departmental academic or administrative units established for the purposes of facilitating collaborative research mainly within a Faculty.

Research Institutes are created to facilitate collaborative multi-disciplinary research between different Faculties and/or multi-university initiatives and to provide research-related services to the community.

SCUP is the Senate Committee on University Priorities, the academic body responsible for overseeing Research Centres and Institutes on behalf of Senate.

3. Policy

3.1 The purposes of Research Centres and Research Institutes encompass, but are not limited to facilitating collaborative research, especially multi-disciplinary research, and facilitating multi-university initiatives.

3.2 Each Research Centre and Research Institute is subject to all applicable University policies.

3.3 A Research Centre or a Research Institute is entitled to identify itself as a part of Simon Fraser University and to use the University's name and address in the conduct of its activities.

3.4 These rights are granted at the discretion of Senate for fixed, renewable terms.

3.5 Governance and Reporting

3.5.1 The Director of a Research Centre reports to a Faculty Dean, who is responsible for overseeing its governance and budgetary accounts. A list of all Research Centres under the authority of a Dean appears in Appendix I.

3.5.2 The responsible Dean, acting in consultation as appropriate with other university administrators, shall review each Research Centre's activities annually including its financial management and compliance with university policies, and shall report the results of that review to the Research Centre's Director and to the Vice President, Research by August 31 of each year.

3.5.3 The Director of an SFU-based Research Institute reports to the Vice President, Research. The Vice President, Research shall be responsible for overseeing all Research Institutes in which Simon Fraser University participates as a part of a multi-university consortium. The activities of Research Institutes shall be reviewed directly by the Vice President, Research. A list of all Research Institutes with a University-wide mandate appears in Appendix II.

3.5.4 The Vice President, Research shall deliver to the Senate Committee on University Priorities (SCUP) by October 31 of each year a summary report dealing with the activities of all Research Centres and Research Institutes during the preceding year. SCUP shall forward this report for information to the Senate and to the Board of Governors.

3.6 Establishing, Reviewing and Discontinuing Research Centres and Research Institutes

3.6.1 With the application for the establishment of a Research Centre or Institute, a Constitution must be submitted that specifies the following:

- a. a statement of its special purpose;
- b. a provision for the appointment of a Director;
- c. a statement recognizing the obligation to conduct its activities in accordance with University policies; and
- d. a statement of its internal governing procedure.
- e. For Research Centres, the application must be approved by the appropriate Faculty Dean.

3.6.2 Applications shall be submitted to the Vice President, Research, who will forward supported applications to Senate (through SCUP) for approval.

3.6.3 Research Centres and Research Institutes will normally be established for a term of 5 years.

3.6.4 Renewal will be upon application via the Dean and the Vice President, Research, to SCUP, and will be contingent on past performance, financial sustainability, and its continuing purpose.

3.6.5 In considering applications for renewal, the accomplishments of Research Centres and Research Institutes will be measured against their stated initial goals and plans. Specifically, the impact must be demonstrated of a Research Centre or Institute in enhancing research over and above what would have been accomplished by individual faculty members.

3.6.6 The Dean(s) of the Faculties involved and the Vice President, Research will comment on the report and recommend renewal or termination. The proposal will then be forwarded to SCUP, which will vote on the renewal application and report its decision to Senate.

3.6.7 The Vice President, Research may recommend to the President termination prior to the end of the term of a Research Centre or Institute. In such cases, the Director shall have an opportunity to appeal the recommendation before the President makes a final decision.

3.7 Rights and Obligations of Research Centres and Research Institutes

3.7.1 Acting under the authority of its Director, and subject to section 3.4.1c, Research Centres and Research Institutes have the right to:

- a. use the University's name, address, and symbols in connection with its activities;
- b. solicit external grants and contracts in the University's name;
- c. request the maintenance of university budgetary accounts and reports;
- d. use the assistance of Human Resources in hiring employees;
- e. direct the duties of its employees; and
- f. apply for university support.

3.7.2 The Director of a Research Centre and Research Institute has the obligation to:

- a. approve all contracts to be undertaken by or on behalf of the Research Centre and Research Institute, and further obtain the approval of the responsible Dean and the Vice President, Research for any contract;
- b. submit a written report to the responsible Dean or Vice President, Research on the units' activities, including all contractual obligations entered into by or on behalf of the unit, once annually for the twelve months ending March 31 of each year, by no later than June 30 of each year;
- c. submit an annual financial statement showing revenues and expenditures for the twelve months ending March 31 of each year, by no later than June 30 of each year.
- d. Normally, the Director is not entitled to teaching relief or financial compensation.

3.8 Membership

3.8.1 The Director of a Research Centre or an SFU-based Research Institute normally must be a continuing faculty member of the University.

3.8.2 Faculty, graduate students, and research associates are eligible for membership in Research Centres and Research Institutes.

4.0 Scope

4.1 This policy encompasses all Research Centres, Research Institutes, and similar organizations at Simon Fraser University that are not parts of established administrative units.

5.0 Authority

This Policy is administered under the authority of the Vice President, Research.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Centre for Forensic Research	Website:	The centre does not currently have a dedicated website. The only existing web location is at the VPR's office website: http://www.sfu.ca/vpresearch/centres/centre-for-forensic-research.html
Director:	Anderson, Gail	Faculty:	Arts and Social Sciences
Director's Term End	8/31/2020	Renewal Date	4/1/2023

Details

Description of the Centre/Institute:

The Centre for Forensic Research brings together scientists from the Department of Archaeology, the School of Criminology and the Department of Biological Sciences to advance and achieve excellence and innovation in research, training, and service that supports medicolegal death investigations anywhere, improving the recovery and identification of the deceased, and determination of circumstances of death, including cause, manner and time of death. The core researchers specialize in entomology (Gail Anderson), bone chemistry, taphonomy (Lynne Bell), physical anthropology (Hugo Cardoso), DNA (Dongya Yang) and botany (Rolf Mathewes). A new member specialized in isotopic analysis (Michael Richards) joined in 2018. The centre provides assistance in medico legal death investigations, namely identifying human remains, estimating elapsed time since death and circumstances of death. The relatively narrow scope of the centre and the diversity in specializations together with ongoing collaborations both within and outside the Centre drives the forensic research in new and innovative ways. The core researchers also develop their research projects, train students and work on their cases in a unique facility in Canada, providing secure lab space for its faculty and students as well as an autopsy suite but also including RCMP protected Level C security for forensic exhibits meaning that exhibits within the CFR are maintained at or above the level of security required for presentation in court.

The Centre/Institute's membership and organization structure:

The Centre for Forensic Research is a SFU research institute and comes under the direct authority of the Vice-President Research. The Centre for Forensic Research is housed in Saywell Hall within the Department of Archaeology and the School of Criminology. It has two co-directors, appointed by the Vice-President Research under advisement from the Centre's Steering Committee. This committee governs the centre and consists of: the Director(s) of the Centre for Forensic Research; four forensically-active SFU faculty members drawn from Archaeology, Criminology and Science; the Chair of the Department of Archaeology; the Director of the School of Criminology; an Associate Dean from the Faculty of Environment; and an Associate Dean from the Faculty of Arts and Social Sciences. The centre has 6 named members, appointed by recommendation to the Vice-President Research from the Director(s), and 19 associate members approved by the Steering Committee from recommendation from the Director(s).

Most significant accomplishments:

Anderson testified as an expert witness in forensic entomology in two homicide trials in Alberta (R. vs. DOWNEY, double homicide) and Manitoba (R. vs. ELLIS).

Bell published with Dr Cockle (former student) a study which addressed a key issue concerning the impact of blood loss and trauma on human decomposition utilizing the ViCLAS database. This is impactful because it assesses real scenes, versus proxies (human or animal) which can not directly

evaluate this important scenario.

Cardoso was elected Fellow of the College of New Scholars of the Royal Society of Canada

Notable media successes

Anderson Dec. 2018. CTV Calgary News <https://calgary.ctvnews.ca/court-hears-testimony-from-expert-in-forensic-entomology-at-downey-double-murder-trial-1.4207702>

Anderson Dec. 2018. The National Post

Anderson Dec. 2018 The Conversation <https://theconversation.com/how-the-absence-of-blow-flies-overturned-a-wrongful-conviction-107865>

Anderson Dec. 2018 The Vancouver Sun <https://vancouversun.com/news/local-news/sfu-profs-blowfly-evidence-clears-woman-imprisoned-16-years-for-murder>

Anderson May 2018. The Times, England

Anderson Mar. 2018. West Coast Women in Engineering, Science and Technology (WWEST) Podcast, Best of the WWEST. : <http://www.sfu.ca/wwest/projects/best-of-the-WWEST/episode-27-gail-anderson.html>

Anderson Mar. 2018 Dead pigs are used as models for human decomposition so that we can understand what happens to a body in the ocean as it decays. <https://imgur.com/gallery/4k7v1zE>

Bell Interview with ABC Australian national broadcaster

Events, workshops, public outreach events:

Entire Centre – CFR Annual Symposium – first joint symposium with BC Coroners Service, very successful with 127 people registered

Anderson, Mar. 2019 Miscarriages of Justice Righted with Forensic Entomology. Annual Forensic Entomology Speaker Series, Dept. of Entomology, University of Minnesota. Elected by Graduate Students. Minneapolis, MINNESOTA

Anderson, Jan. 2019. Forensic Entomology The Good, the Bad and the Ugly. 2018-2019 University of Manitoba Department of Entomology Speaker Series. Dept. of Entomology, University of Manitoba, Elected by Graduate Students. Winnipeg, MANITOBA.

Anderson, Jan. 2019. Forensic Entomology and its use in wrongful convictions. Innocence Project, Allard Law School, UBC, Vancouver, BC.

Anderson, Jan. 2019. Forensic Entomology and the Innocence Project. Canadian Federation of University Women, Coquitlam, BC

Anderson, Jan. 2019. Science One Program, Murder and Maggots, University of British Columbia, Vancouver, B.C.

Anderson 2018. Keynote Invited Address. Women and Careers in Science. Quantum Leaps, Conference for Grades 11 and 12 girls, Burnaby, BC

Anderson 2018. Forensic Entomology and its use in wrongful convictions. Innocence Project, Allard Law School UBC, Vancouver, BC

Anderson 2018. Use of forensic entomology in animal cruelty. BCSPCA, Surrey, B.C.

Anderson 2018. Insects and Crime, Elder College, North Vancouver, BC

Anderson 2018. Maggot Art! Science Rendezvous, part of National Science Rendezvous Day, SFU Burnaby Campus (Only FASS table present. Included several graduate and undergraduate students from Anderson lab in CFR)

Anderson 2018. Murder and Maggots, the use of insects in criminal investigations. BCIT Introduction to Forensic Science Course, Burnaby BC

Anderson 2018. Murder and Maggots, the use of insects in criminal investigations. SFU Academic Summer Camp for Aboriginal High School Students, Burnaby, BC

Anderson 2018. Murder and Maggots. California State University and BCIT, Burnaby, BC

Anderson 2018. Murder and Maggots – Using Insects in Death Investigations. Simon Fraser University Retirees Association, Burnaby, BC

Anderson 2018. Murder and Maggots, the use of insects in criminal investigations. Kwantlen Polytechnic University, Guest speaker, 3211 – Forensic Science: Fact and Fiction, Dept. of Anthropology, Surrey, BC.

Anderson 2018. Forensic presentations for Grade 12. Burnaby, BC. (Several)

Anderson 2018 Maggot Art! STEM Bugs, Joint Entomological Society of America, Entomological Society of Canada and Entomological Society of BC Annual Meeting, Vancouver, BC. Run by Anderson Lab students

Anderson Conducted several forensic entomology investigations

Cardoso Lab and Anderson Feb. 2019 Forensic Entomology and Anthropology workshops (3-hour lecture and practical activity with skeletal remains) -

Cardoso Lab 2018 Langley Schools - 5 December 2018 (Audrey Milne)

Cardoso Lab 2018 Gladstone Secondary - 6 December 2018 (Jolene Mergens/ Jana Ronne)

Cardoso Lab 2018 School at home - 6 December 2018 (Joyce Westereng)

Cardoso Lab. Forensic Anthropology workshop. (1-hour practical activity with skeletal remains) - March 2018 - Girls of Science - Day of Discovery

Lam, Anderson Lab. Mar. 2019. Forensic Anthropology, Science World's Body Works Exhibit. Telus World of Science's Meet-a-Scientist event. Invited by: Friderike Moon, Manager, STEAM Mentor Initiatives

Lam, Anderson Lab. Mar. 2019. Careers in Forensic Science. Girl Guide Can Do It! Girl Guide Career Fair Invited by: Diamond Isinger, Program Advisor, West Coast Area Council

Lam, Anderson Lab. Mar. 2019. Life of a field researcher. Living Encyclopedia, City of New Westminster's Innovation Week. Invited by: Wes Wong, Organizer

Lam, Anderson Lab. Jan. 2019. Decompositional changes in lake-submerged skeletal remains. Simon Fraser University, Forensic Science Graduate Research "Brown Bag" Symposium. Co-organized with Dr. Richard Frank, Professor

Lam, Anderson Lab. Jan. 2019. Forensic Science Workshop on Bones and Bugs. BeyondSTEM: STEMinar Conference at Burnaby Central Secondary School. Invited by: Sam Loutet, BeyondSTEM Organizer/Director of Relations

Lam, Anderson Lab. Nov. 2018. Circuitry (Squishy Circuits). East Van Kids, Vancouver Public Library's Kensington Branch, Invited by: Khristine Carino, EVK Founder and Organizer

Lam, Anderson Lab. Nov. 2018. Forensic Science for Kids. Science and Innovators in Schools, Telkwa Elementary School, Telkwa, Invited by: Friderike Moon, Manager, STEAM Mentor Initiatives

Lam, Anderson Lab. Nov. 2018. Forensic Science for Kids. Gitxsan Nation Family Science Day, Gitlaxt'aamiks Community House, Hazelton, Co-organizer

Lam, Anderson Lab. Nov. 2018. Young Detectives. Science Extravaganza, Smithers Public Library. Invited by: Sandra Schuffert, Librarian

Lam, Anderson Lab. Oct. 2018. TA/TM/Sessional Rights at SFU. Certificate Program in University Teaching and Learning. Invited by: Dr. Sheri Fabian, Director of the Institute for the Study of Teaching and Learning in the Disciplines (ISTLD)

Lam, Anderson Lab. Oct. 2018. SSHRC (Tri-Council) Doctoral Proposal Writing Workshop. Invited by: Alexandra Gunn, SFU Graduate Awards Manager

Lam, Anderson Lab. Aug. 2018. Introduction to Forensic Anthropology & Taphonomy. Genome BC's GeneSkool 2018. Invited by: Evelyn Sun, GeneSkool Coordinator

Lam, Anderson Lab. May 2018. Adventures in Academia. Burnaby City's Festival of Learning – PechaKucha Night: Volume 1, Invited by: David Jordan, Arts Services Manager, Shadbolt Centre for the Arts

Lam, Anderson Lab., Mar. 2018. Experimental Freshwater Taphonomy, Simon Fraser University, Forensic Science Graduate Research "Brown Bag" Symposium. Invited by: Dr. Richard Frank, Professor/Symposium Organizer

Mathewes, 2018. Conducted forensic botany and palynology case work for Nanaimo RCMP (Serious Crimes Division), on a cold case homicide investigation. Still ongoing

Mathewes 2018. Public lecture to Brock House Society, Vancouver, on "Flower power - the use of botany in forensic investigations".

Mathewes 2019 Public lecture to Deep Cove Garden Club on "Experiences in forensic botany".

Spake, Cardoso Lab "Forensic Anthropology at the Centre for Forensic Research at SFU" - Kwantlen Polytechnic University, Surrey, Canada, 19 March 2019

Spake, Cardoso Lab "Collaborative relationships at the Centre for Forensic Research, Simon Fraser University, Canada" - Victorian Institute of Forensic Medicine, Southbank, Australia, 20 June 2019

Yang, June, 2018. Integrating Ancient Genomics into Archaeology. National Institute of Archaeology, Chinese Academy of Social Sciences, Beijing.

Yang, June 2018. Ancient DNA-based Archaeology. Department of Archaeology, Sichuan University, Chengdu, China.

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

Richards \$30,000 SSHRC

Cardoso – 160,000 NSERC

Fees for case work – 3600 Cardoso

Yang SSHRC 236,125

Yang IRC \$7,000

Confirm policy review

Yes

Submitted by:

Gail S. Anderson

Director's Comments:

Both the Deans of FASS and Env. should be notified. Thank you

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Behavioural and Cognitive Neuroscience Institute

Website: www.bcni-sfu.net

Director: Ribary, Urs

Faculty: Arts and Social Sciences

Director's Term End 7/31/2022

Renewal Date 4/1/2022

Details

Description of the Centre/Institute:

Mission and Goals: The BCNI institute fosters interdisciplinary and collaborative engagement across disciplines and institutions in brain imaging infrastructure, technology-development, research, translational applications, interventions and training in brain imaging concerning the relationship between mind and brain. Building on the strengths of world-renowned researchers who investigate a variety of behavioral, sensory-motor, cognitive, and neurophysiological phenomena, the BCNI focuses on a broad range of topics related to the neurobiological mechanisms underlying attention, perception, sensory integration, language, memory and action in health and disease. The major emphases is on using structural and functional brain imaging and behavioral/clinical assessments, for better understanding the underlying "Human Cognitive Brain Network in Health and Disease", the brain's network connectivity and dynamics among local and large-scale networks relating to cognitive human brain functions, and its alterations in cognitive disabilities, neurological and psychiatric symptoms. The goal is to develop objective "quantitative diagnostic markers and strategies" translating into better pedagogical applications and more specific cognitive, pharmacological and neurosurgical interventional therapies.

The institute engages to further provide a matrix to facilitate scientists working synergistically across centers and institutes toward these and related goals across disciplines and institutions.

The Centre/Institute's membership and organization structure:

The BCNI Director, Co-Director, and the two Associate Director's, in consultation with selective Advisors, are representing the interests and needs related to BCNI's mission and goals across disciplines and institutions. These advisors include members from SFU departments, including Psychology, Biomedical Physiology and Kinesiology, Physics, Engineering, Computing Science etc, and members from departments of other institutions, including BCCH (BC Childrens Hospital) and UBC. In addition, the BCNI has a long list of BCNI Associates, who contributed and continuously contribute to the BCNI's overall mission, efforts and goals, especially related to networking, grant writing, facilitating /initiating specified research and training in multimodal imaging, and correlating to behavioral/clinical correlates, translational diagnostics, applications and interventional therapies.

> BCNI Faculty (15):

- Director: Urs Ribary, Professor and BC LEEF Chair (SFU, BCCH, UBC),
- Co-Director: Sam Doesburg, Associate Professor, Biomedical Physiology and Kinesiology (SFU),
- Associate Director: Teresa Cheung, Assistant Professor, Engineering Science (SFU), Director MEG Imaging Operation at SFU Surrey,
- Associate Director: Tony Herdman, Associate Professor, Audiology (UBC, SFU),
- Grace Iarocci, Professor Psychology (SFU),
- Sylvain Moreno, Associate Professor School of Interactive Art and Technology (SFU),
- Faisal Beg, Professor and Assoc. Dean Engineering Science (SFU),
- Ruth Grunau, Professor Pediatrics (UBC, BCCH),
- Lawrence Ward, Professor Psychology (UBC, Brain Research Center),
- Linda Siegel, Professor Emeritus Education (UBC),
- Judy Illes, Professor Neurology and CRC (UBC), Director National Neuroethics Core (UBC),
- Dan Marigold, Associate Professor Biomedical Physiology and Kinesiology (SFU),
- Ryan D'Arcy, Professor and BC LEEF Chair, Engineering Science (SFU),
- Xiaowei Song (Fraser Health), Adjunct Professor Computing Science (SFU), Head of MRI Operation (ImageTech),
- Garrett Bernie, Associate Professor School of Nursing (UBC),

> BCNI Staff and Students (20-30):

- Alexander Moiseev: Senior Scientist, expert in MEG/EEG imaging software development & data analysis,
- Vasily Vakorin: Data Scientist, NeuroInformatics and NeuroAnalytics Lead, ImageTech Lab, SFU,
- Richard Blackwell: IT Staff – Psychology, Managing BCNI IT Services, with J. Chen, H. Janke,
- James Peltier: Manager SFU Research Computing Group, Managing BCNI on colony cluster,
- Approx. at least 20-30 current Students directly related to BCNI using BCNI resources.

> BCNI Associates (see BCNI website):

www.bcni-sfu.net

Most significant accomplishments:

(1) BCNI's Large Overall Research Productivity:

The overall Research Output of the BCNI Institute during the past year (2018-2019) lists a total of 49 Publications (31 Papers and 18 Abstracts) of all researchers who are using the BCNI's platform and in-house developed analysis pipelines (see publication list attached). The BCNI further includes 15 active faculty (SFU, UBC, BCCH) and provided a HQP training to at least 20-30+ new scientists and students.

(2) BCNI's Continuous Engagement across Disciplines and Institutions:

The BCNI continues to facilitate collaborative engagement across disciplines and institutions (including SFU, BC Children's Hospital Research Institute, UBC and others). The overarching goal is to team-up to better understand and quantify the 5-Dimensional "Cognitive Human Brain Network in Health and Disease": In particular, the BCNI's mission is to provide more coherent and complementary facilities and services, equipment, hard and software, towards comprehensive multimodal brain imaging and absolutely necessary centralized and user-friendly data analysis.

The collaborative BCNI strategy is therefore continuously facilitating and expanding:

- Multimodal Brain Imaging Infrastructure (structural, functional and dynamic brain imaging);
- Behavioral Research Infrastructure (behavioral and clinical assessments);
- Technology Development (centralized, user-friendly data analysis/ visualization tools and strategies);
- Applied and Translational Research (basic cognitive and clinical research);
- Training Platform (HQP: scientists, staff, postdocs, students);
- Knowledge Development and Translation (human brain: education, health and disease);
- Development: Neuro-diagnostic and Prognostic Markers (cognitive disabilities, neurology, psychiatry);
- Interventional Strategies (cognitive, pharmacological, neurosurgical);
- Monitoring Strategies (behavior, brain imaging: pre/post interventional therapies);
- Industrial Commercialization (hard/software technologies, neuromarkers, intervention etc.).

(3) BCNI's Basic and Clinical Collaborative Research Efforts:

The BCNI has successfully progressed along its mission and goals, to continue collaborative efforts on multimodal brain imaging research and behavioral/clinical assessments. The BCNI continues to stress and facilitate a more comprehensive strategy/approach beyond traditional analysis of dynamic brain imaging data, namely focusing on the state-of-the-art detailed underlying human brain network's oscillations and functional connectivity/causality dynamics across 5 dimensions, and relating with sensory-motor, cognitive or behavioral correlates in the typical and atypical human brain. The continuous mission is to better understand the basic biological and unified mechanisms of the underlying network function and task-specific functional and effective connectivity dynamics among local and large-scale networks, relevant for cognitive functions (attention, sensory integration, learning, memory and language), and for its alterations in cognitive disabilities and patients with neurological or psychiatric symptoms. The continuing goal is to expand the integration of functional brain dynamics into multimodal structural and functional imaging, towards the quantification and development of neural markers for cognition, and neuro-diagnostic markers for disabilities and pathologies, allowing the better development and monitoring of interventional therapies. Specific current projects are:

- Brain network oscillations, synchronization and connectivity in health and disease with Lawrence Ward (UBC);
- Alterations in brain network connectivity dynamics in child dyslexia pre/post interventional therapies with Lawrence Ward (UBC), Linda Siegel (UBC) and BC School;
- Alterations in brain network connectivity dynamics in children born very preterm with Ruth Grunau (Pediatrics, UBC) and colleagues;
- Advancing the analysis of dynamic MEG/EEG brain imaging data with BCNI's senior scientist Alex Moiseev;
- Mobile EEG recordings under hypoxic/hypobaric conditions with Victoria Claydon (SFU-BPK) and Sherri Ferguson (SFU);
- Mobile EEG analysis of children with ASD with Grace Iarocci (SFU-Psychology) during ASD spring/summer camps;

- Fostering collaborations between SFU Surrey brain imaging operation and SFU researchers based in Burnaby;
 - Integrating computational modeling and neuroimaging methods to develop models of neural systems; extending current dipole equations to quadrupolar forms to better model magnetic fields from white matter and spinal cord conduction (with MEG Operation at ImageTech);
 - Developing techniques to apply "drizzle" (providing higher resolution) to MEG data (with MEG Operation at ImageTech);
 - Exploring OPM magnetometers towards building a multichannel system for magnetic spinal cord imaging (with MEG Operation at ImageTech);
 - Using median nerve stimulation to examine the feasibility of spinal cord SEP detection using a commercial QuSpin OPM sensor (with MEG Operation at ImageTech);
 - Developing well-validated and automated data analysis pipelines to improve the clinical efficacy of MEG in surgical planning for epilepsy patients and further translating more advanced analysis methods into clinical practice (with MEG Operation at ImageTech);
 - Using continuous naturalistic stimuli to better probe complex cognitive and perceptual processes (with MEG Operation at ImageTech);
 - Integration of hemodynamic (fNIRS) and electrophysiological (MEG) imaging towards a greater understanding of brain activity (with MEG Operation at ImageTech).
- - See attached list of paper and abstract publications (2018-2019) - -

Notable media successes

N/A - But see all BCNI Publications (2018-2019) -

Events, workshops, public outreach events:

(1) Engagement in Research Community:

The BCNI is continuously engaging in many collaborating team-efforts across disciplines and institutions, to further stabilize and expand the brain imaging infrastructure, to further facilitate and stream-line required data analysis procedures, towards a coherent multimodal imaging environment across SFU, BC Children Hospital, and UBC as follows:

- BCNI Institute Equipment and Services (all free-of-charge): The BCNI provides (a) networking area with smartboard and video-conferencing capabilities, (b) assessment area for behavioral/clinical measurements (c) portable EEG brain scanner and portable eye-tracker, (d) larger imaging data analysis area, (e) merger with SFU/FAS cluster-computers to boost computing power and storage, (f) centralized data analysis platforms and in-house developed pipelines, (g) continuous software development to further boost data analysis and visualization, and (h) various upgrades for the MEG brain imaging operation (see research output and publications).

- MEG Brain Imaging at SFU Surrey: The BCNI continuously provides all available infrastructure (networking areas, portable imaging devices, HQP training and data analysis platforms) to all scientists, students and staff at the brain imaging operation at ImageTech and NeuroTech at SFU Surrey, and all free of charge (see research output and publications).

- 3T MRI Imaging Research Facility at BC Children's Hospital Research Institute (BCCH): The BCNI is continuously contributing to the new state-of-the-art 3T MRI research scanner and imaging facility (with the BCNI director and BC LEEF Chair as Co-PI). The scanner allows structural and functional brain imaging and analysis on newborn babies, as well as children suffering from various neurological or psychiatric conditions.

- Multimodal Imaging Facility at University of British Columbia (UBC): The BCNI is continuously contributing to the current setup and further fundraising of the Multimodality Neuroimaging Facility at the new Center for Brain Health at UBC Hospital (with the BCNI director and BC LEEF Chair as Co-PI), which houses 3T-MRI /fMRI, MR-PET, EEG, TMS, and will house MEG etc, and serving the research community across disciplines and institutions in BC, including UBC, BCCH and SFU, to study healthy human subjects and patients suffering from neurological or psychiatric conditions.

- Brain Imaging Signal Processing Development: The BCNI is continuously facilitating and expanding state-of-the-art brain imaging signal-processing development and tools across disciplines and institutions towards more user-friendly and semi-automatic centralized analysis procedures, which are extremely crucial for training of HQP and for successful brain imaging research (see research output and publications).

- BCNI provides Collaborative Meeting Space:

The BCNI provides meeting space to advance networking among researchers, students and staff towards multimodal brain imaging infrastructure, software development and imaging analysis across disciplines and institutions including: SFU-FASS, SFU-FAS, MIAL Imaging Laboratory, SFU-Psychology, SFU-Psych-IT, SFU-Engineering Science, SFU-Computing Science, UBC-Pediatrics, UBC-Psychiatry, UBC-Psychology, UBC-Neurology, UBC-Audiology, UBC-Education, BC School Representatives, etc. The BCNI further continuous to host the head-quarter for the SFU Undergraduate BCNS society and the head-quarter for the Student Journal Club for their regular weekly or bi-weekly meetings held at the BCNI.

(2) Engaging in the Public Community:

Facilitating the integration of brain-based interventional cognitive training programs for Learning Disabilities (Child-Dyslexia) in BC schools: The BCNI director is a co-founder of the "BC Fast ForWord Intervention Consortium"; a BC school interdistrict strategy to facilitate the knowledge and integration

of such programs in BC schools. The interventional FFW training platform has further grown since 2008; As of Dec/2018, a total of 11,600 students have been trained in more than 130 schools across 22 districts in BC, with an overall gain of about 0.7-2.0 years in reading level, including elementary and secondary schools. This is by far the largest effort across Canada with currently 45.3% training in BC alone, despite continuous funding cuts and resistance in many BC schools and despite waiting lines due to yet limited access to these training programs.

Expanding efforts together with Marlene Lewis (Clinical Psychologist), Sandy Collins and Janet Chow (BC FFW Consortium) to further facilitate the awareness and engagement of cognitive brain-based interventional training programs in BC schools to educators, academics and the public.

- The BCNI director and Marlene Lewis hosted another Leadership Round-Table (Victoria BC, Sep/2018) with internationally renowned educational neuroscientist Dr. Steve Miller with invitations sent to all School Districts Superintendents across BC, and the related BC Ministries.

Additional documents:

[BCNI_Publications-2019.pdf](#)

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

- 2018 - 2019 S.Doesburg, U.Ribary, V.Vakorin, G.Medvedev: KEY's Next Big Question Fund Application (SFU). Big data approaches for synergy between artificial intelligence and clinical brain imaging. 25,000 CAD.
- 2018 - 2023 PI: U.Ribary. NSERC Discovery: Quantifying and localizing cross-frequency oscillation dynamics and connectivity across local and large-scale brain networks. 125,000 CAD.
- 2018 - 2019 PIs: U.Ribary and S.Doesburg. Private Funding Sources (SOSI Inc.). Application Development for Data and Brain Visualization (Pilot Project:), 40,000 USD (~52,000 CAD) (total 6 months).
- 2018 - 2021 PI: J.Illes UBC; M.Connolly UBC, P.McDonald UBC, U.Ribary SFU: NIH Grant, F17-05528. Informing choice for neurotechnological innovation in pediatric epilepsy surgery. 350,000 USD ~455,000 CAD.

Confirm policy review

Yes

Submitted by:

Urs Ribary (Director)

Director's Comments:

The BCNI is continuing to focus on collaborative multidisciplinary cognitive neuroscience brain imaging, signal processing expertise and research in health and disease with the ultimate goal to provide a yet more centralized and user-friendly imaging data analysis platform and to better understand the typical/atypical brain development with further translating such findings into underlying neural diagnostic and prognostic procedures to modify and improve individual targeted interventional therapeutic programs.

The Director, Co-Director and Associate Directors with all the BCNI faculty, staff and collaborative BCNI associates are looking forward towards further implementation of BCNI's mission and goals together with BCNI's available equipment and services to further benefit the research community at large, for providing better opportunities within a growing multimodal brain imaging environment across disciplines and institutions (SFU, BCCH and UBC).

Thank you for reviewing our BCNI Annual Report.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

BCNI Publications (2018 - 2019)

Total 49 Abstract/Paper Publications

31 - Papers (Published and submitted):

- Herdman AT, Moiseev A, Ribary U. Localizing Event-Related Potentials using Multi-source Minimum Variance Beamformers: A validation study. Brain Topography, 2018. OpenAccess: <http://rdcu.be/G34a>
- Livingston-Hirst E, Siegel LS, and Ribary U. Developmental Dyslexia: Emotional Impact and Consequences. Australian Journal of Learning Difficulties (AJLD), 2018. DOI: 10.1080/19404158.2018.1479975
- Benasich AA and Ribary U. Emergent Brain Dynamics: Prebirth to Adolescence. MIT Press: Cambridge, MA, 2018.
- Benasich AA and Ribary U. Exploring Emergent Brain Dynamics. In: Emergent Brain Dynamics: Prebirth to Adolescence, Benasich AA and Ribary U, eds., Strüngmann Forum Reports, vol. 25 (Lupp J, series editor), Cambridge, MA: MIT Press, pp. 1-13., 2018.
- Gelinas J, Baillet S, Bertrand O, Galván A, Kolling T, Lachaux JP, Lindenberger U, Ribary U, Sawa A, and Uhlhaas PJ. Discussion Forum: Late Adolescence. In: Emergent Brain Dynamics: Prebirth to Adolescence, Benasich AA and Ribary U, eds., Strüngmann Forum Reports, vol. 25 (Lupp J, series editor), Cambridge, MA: MIT Press, pp. 243-264, 2018.
- Iman Mohammad-Rezazadeh, Sheraz Khan, Robert Coben and Urs Ribary, Guest-Editors, Special Issue "Computational Methodologies in Brain Imaging and Connectivity: EEG and MEG Applications", Frontiers in Computational Neural Circuits, 2018.
> 9 Articles resulted in 16,143 views and 1,205 downloads 5-6 months later in Mar/2019.
- Powlowski GM, Ghosh-Hajra S, Fickling SD, Liu CC, Robinovitch S, Doesburg SM, D'Arcy RCN. Brain vital signs: Expanding from the auditory to the visual modality. Frontiers in Neuroscience, Brain Imaging Methods. 12:968, 2018.
- Nunes AS, Peatfield NA, Vakorin VA, Doesburg SM. Idiosyncratic organization of cortical networks in autism spectrum disorder. NeuroImage. pii: S1053-8119(18)30022-3. doi: 10.1016/j.neuroimage.2018.01.022, 2018.
- Nakajima M, Wong SM, Widjaja E, Baba S, Imura Y, Okanishi T, Sato Y, Tabei M, Morooka H, Fujita M, Ibe S, Robyn W, Ueda Y, Yagy K, Solowka SA, Ochi A, Snead OC, Rutka JT, Drake JM, Doesburg SM, Takeuchi F, Shiraishi H, Otsubo. Advanced dynamic statistical parametric mapping (AdSPM) for localizing focal cortical dysplasia at bottom of sulcus. Clinical Neurophysiology. 129(6): 1182-1191, 2018.
- Ghosh Hajra S, Liu CC, Song X, Fickling S, Cheung T, D'Arcy RCN. Multimodal characterization of the semantic N400 response within a rapid evaluation brain vital sign framework. J. Translational Medicine, 16: 151, 2018.
- Gu T, Lin L, Jiang Y, Chen J, D'Arcy RC, Chen M, Song X. Acupuncture therapy in treating migraine: results of a magnetic resonance spectroscopy imaging study. J Pain Res, 11:889-900, 2018. doi: 10.2147/JPR.S162696. eCollection 2018
- Courtemanche MJ, Sparrey CJ, Song X, MacKay A, D'Arcy RCN. Detecting white matter activity using conventional 3 Tesla fMRI: An evaluation of standard field strength and hemodynamic response function. Neuroimage, 169:145-150, 2018. doi: 10.1016/j.neuroimage.2017.12.008

- Liu C, Ghosh Hajra S, Song X, Doesburg SM, Cheung T, D'Arcy R. Cognitive loading via mental arithmetic modulates effects of blink-related oscillations on precuneus and ventral attention network regions. Human Brain Mapping, 2019.
- Kozhemiako N, Vakorin V, Nunes AS, Iarocci G, Ribary U and Doesburg SM. Extreme male developmental trajectories of homotropic brain connectivity in autism. Hum. Brain Mapp., 40, 987-1000, 2019.
DOI: 10.1002/hbm.24427
- Vakorin VA, Ross B, Doesburg SM, Ribary U and McIntosh AR. Dominant Patterns of Information Flow in the Propagation of the Neuromagnetic Somatosensory Steady-State Response. Front. Neural Circuits, 2019.
DOI:10.3389/fncir.2018.00118
- Kozhemiako N, Nunes A, Vakorin V, Chau C, Moiseev A, Ribary U, Grunau RE, Doesburg SM. Atypical resting state neuromagnetic connectivity and spectral power in very preterm children. J Child Psychology and Psychiatry, 2019. DOI: 10.1111/jcpp.13026
- Magnuson JR, Peatfield NA, Fickling S, Nunes AS, Christie G, Vakorin V, D'Arcy RCN, Ribary U, Iarocci G, Moreno S, Doesburg SM. Electrophysiology of Inhibitory Control in the Context of Emotion Processing in Children With Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2019.
DOI: 10.3389/fnhum.2019.00078
- Vakorin VA, Bezgin G, Doesburg SM, Ribary U, Yangawa T, Takenaka K, McIntosh AR. Spatiotemporal interplay of visually-induced long-range synchronization and local desynchronization in large-scale functional networks of a monkey brain. Frontiers in Neural Circuits, 2019.
- Ribary U, Doesburg SM, Ward LM. Unified principles of thalamocortical network dynamics: A framework for typical/atypical functional connectivity. In Magnetoencephalography, S.Supek and C.J. Aine, eds, Springer, Cham, pp 1-28, 2019. DOI: 10.1007/978-3-319-62657-4_19-1
- Ghosh Hajra S, Liu CC, Song X, Fickling S, Cheung T, D'Arcy RCN. Accessing knowledge of the 'here and now': A new technique for capturing electromagnetic markers of orientation processing. J. Neural Engineering, 16(1):016008, 2019.
- Liu CC, Ghosh Hajra S, Cheung T, Song X, D'Arcy RCN. Cognitive loading via mental arithmetic modulates effects of blink-related oscillations on precuneus and ventral attention network regions. Human Brain Mapping, 2019.
- Liu CC, Ghosh Hajra S, Pawlowski GM, Fickling SD, Song X, D'Arcy RCN. Novel signal processing technique for capture and isolation of blink-related oscillations using a low-density electrode array for bedside evaluation of consciousness. IEEE Transactions on Biomedical Engineering 2019, Epub. DOI: 10.1109/TBME.2019.2915185
- Ribary U, and Ward LM. Synchronization and functional connectivity dynamics across TC-CC-CT networks: Implications for clinical symptoms and consciousness. In: Phenomenological Neuropsychiatry: Bridging the Clinic with Clinical Neuroscience, A.Mishara, ed., Springer Publisher, in press.
- Nunes AS, Moiseev M, Kozhemiako N, Cheung T, Ribary U, Doesburg SM. Multiple constrained minimum variance beamformer (MCMV) performance in connectivity analyses. Neuroimage, in revision.
- Kozhemiako N, Nunes AS, Vakorin VA, Chau CMY, Moiseev A, Ribary U, Grunau RE, Doesburg SM. Sex differences in brain connectivity and vulnerability in very preterm children. Human Brain Mapping, in revision.
- Marquez AV, Magnuson JR, Morris J, Iarocci G, Doesburg SM, Moreno S. Music therapy in autism spectrum disorder: A systematic review. Journal of Music Therapy, in revision.

- Baba S, Vakorin VA, Doesburg SM, Nagamori C, Cortez MA, Ryoko H, Toda K, Nishimoto H, Ebihara T, Sakai K, Ochi A, Snead OC, Baba H, Otsubo H Total corpus callosotomy and vanishing intractable infantile spasm: Analysis of fast oscillations and functional connectivity in hypsarrhythmia. Epilepsia, in revision.
- Ghosh Hajra S, Liu CC, Pawlowski G, Song X, Fickling S, D'Arcy RCN. Optimizing the Signal Capture of Brain Vital Signs with Dynamic SNR-weighted Signal Augmentation. IEEE Transactions on Biomedical Engineering, in revision.
- Vakorin VA, Nita D, Payne E, Go C, Ribary U, McBain K, Frndova H, Abend N, Gallentine W, Nash K, Hutchison J, Parshuram C, Snead C, van Straaten I, Stam C, Doesburg SM, Hahn C. Alterations in electroencephalographic coordinated activity precede the development of seizures among comatose children. Cerebral Cortex, submitted.
- Nunes AS, Vakorin VA, Kozhemiako N, Peatfield N, Ribary U, Doesburg SM. Atypical developmental features of cortical thickness trajectories in Autism Spectrum Disorder. Science Reports, submitted.
- Bedo N, Ender-Fox D, Chow J, Siegel L, Ribary U, and Ward LM. Effects of a Phonological Intervention on Brain EEG Connectivity Dynamics in Dyslexic Children. Clinical Neurophysiology, submitted.

18 - Abstracts:

- Bedo N, Ender-Fox D, Chow J, Siegel L, Ribary U, and Ward LM. Brain Connectivity Dynamics of Dyslexia Before and After FastForWord Intervention. Organization Human Brain Mapping (OHBM), 2018.
- Nunes A, Kozhemiako N, Vakorin VA, Chau C, Bichin M, Moiseev A, Ribary U, Grunau RE, Doesburg SM. Atypical resting state connectivity and spectral power in very preterm children. Biomag 2018.
- Kozhemiako N, Nunes A, Vakorin VA, Chau C, Moiseev A, Bichin M, Ribary U, Grunau RE, Doesburg SM. Sex differences in resting state network synchrony and spectral power in very preterm children may relate to female resiliency. Biomag 2018.
- Nunes A, Kozhemiako N, Vakorin VA, Moiseev A, Ribary U, Doesburg SM. Atlas of the human cortex derived from MEG functional connectivity. Biomag 2018.
- Moiseev A and Ribary U. Source reconstruction in ultra-low SNR conditions for network analysis of resting state data. Biomag 2018.
- Courtemanche MJ, Cheung TPL. Drizzling MEG data: Increasing MEG sensor density using head movement. Biomag 2018.
- Wijaya D, Lee K, Courtemanche M, Tillotson M, Cheung TPL. 262-channel helmet for comparing OPM and SQUID MEG measurements. Biomag 2018.
- Jakaza T, Mohad A, Xin G, Gair L, Cheung TPL, Parameswaran A. Low-cost and Portable Functional Near Infrared Spectroscopy (fNIRS) Device for Simultaneous fNIRS and Magnetoencephalography(MEG) Measurement. Biomag 2018.
- Hutcheon EA, Nunes A, Ribary U, Ferguson S, Claydon V, Doesburg SM. Effects of hypoxia on N100 and P300 event related potentials during visuospatial attention control. Organization Human Brain Mapping (OHBM), 2019.
- Kozhemiako N, Nunes AS, Vakorin VA, Ribary U, Doesburg SM. Effect of sex and age on brain regional homogeneity in autism spectrum disorder. Organization Human Brain Mapping (OHBM), 2019.

- Nunes AS, Kozhemiako N, Vakorin VA, Hutcheon E, Chau C, Ribary U, Grunau R, Doesburg SM. Thalamic volume is associated with altered resting cortical power in children born very preterm. Organization Human Brain Mapping (OHBM), 2019.
- Liu S, Nicke T, Otsubo H, Parameswaran AM, Cheung TPL, Convolutional neural network for epileptic seizure detection using magnetoencephalography signals. Organization Human Brain Mapping (OHBM), 2019.
- Courtemanche MJ, Cheung TPL. Using multiple head positions to increase MEG sensor density. Organization Human Brain Mapping (OHBM), 2019.
- Marquez-Garcia AV, Nunes AS, Kozhemiako N, Cheung T, Song X, Moreno S, Doesburg SM. Using multiple head positions to increase MEG sensor density. Organization Human Brain Mapping (OHBM), 2019.
- Frizzel, T, Grajauskas, L, Ghosh Hajra, S, Liu CC, Song, X, D'Arcy RCN. Use of functional correlation tensors for fMRI monitoring of neuroplasticity during motor learning. Organization for Human Brain Mapping (OHBM), 2019.
- Grajauskas, L, Frizzel, T, Liu, CC, Ghosh Hajra, S, Song, X, D'Arcy, RCN. Detection of Motor Learning Related Neuroplasticity through fMRI monitoring. Organization for Human Brain Mapping (OHBM), 2019.
- Hutcheon EA, Nunes AS, Ribary U, Ferguson SA, Claydon VE, Doesburg SM. Preliminary Results: Effects of Hypoxia on N100 and P300 Event Related Potentials During Visuospatial Attention Control. Undersea and Hyperbaric Medical Society, 2019.
- Bichin M, Chau C, Ribary U, Doesburg SM, Grunau RE. Working Memory Associated Neural Network Engagement Differs in 8-Year-Olds Born Very Preterm. International Society for Developmental Psychobiology, 2019.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Canadian Institute for Studies in Publishing **Website:** <https://publishing.sfu.ca/research/>

Director: Maxwell, John **Faculty:** Communication, Art and Technology

Director's Term End **Renewal Date** 4/1/2020

Details

Description of the Centre/Institute:

The Canadian Institute for Studies in Publishing (CISP) is the research arm of the Publishing Programs at SFU. The CISP hosts a broad range of research activities carried out by SFU faculty, staff, and students, who, in collaboration with other universities and industry, are seeking to advance our understanding of publishing models and practices.

With expertise in both trade (book and magazine) and scholarly publishing, the CISP's research covers a broad range of themes, including the impact of digital technologies in the cultural sector; book, periodical, and digital media history; sociology of knowledge; the evolution of scholarly communication; open access; bibliometrics, and audience measurement.

The CISP -- true to its founding principles -- also acts to promote industry connections with publishing studies at the university. This takes the form of an annual symposium, a workshops series, and an annual public lecture.

The Centre/Institute's membership and organization structure:

Five faculty members within the Publishing Program are CISP members: Associate Professor & Director John Maxwell, Assistant Professors Juan Alperin and Hannah McGregor, and Lecturers Suzanne Norman and Mauve Pagé.

Key CISP connections/members beyond the Publishing Program are SFU Library (and in particular the Public Knowledge Project) as well as members in the Department of English (particularly as related to Digital Humanities research).

Most significant accomplishments:

- 4th successful iteration of the university/industry collaborative "Emerging Leaders in Publishing" symposium hosted at SFU in February
- partner in the Implementing New Knowledge Environments (INKE) SSHRC Partnership grant application 2019
- sponsoring (and instructional) partner in Digital Humanities Summer Institute (DHSI) at UVic

Events, workshops, public outreach events:

- "Emerging Leaders in Publishing" symposium brings 15+ publishing industry personnel together with faculty and grad students, as well as being open (fee-based) to the general public;
- ongoing professional development workshops series offered (fee-based) to local members of publishing community
- the Jim Douglas Memorial Lecture (September, annually since 2017).
- event sponsorship of Indian Summer Festival
- event sponsorship of Vancouver Art Book Fair

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

- CISP Journal Services; various scholarly journals; fees for publication services: \$74,920
- SSHRC IDG, "Scholarly Podcasting in Canada" (2017–2018, with WLU Press. PI: McGregor): \$58,414
- MIT Press, sub-grant from Mellon Foundation grant, "A Landscape Analysis of Open-Source Publishing Systems" (2018-2019, PI: Maxwell): \$40,500
- SSHRC Partnership Engage Grant "Mapping the new Landscape for Science Communication in Canada" (2018, PI: Alperin): \$25,000
- Professional development workshops fee revenue: \$44,627
- Endowment Revenue \$36,353 (CISP endowment and Atkins/Douglas fund)
- Simon and Schuster Canada; operating contribution for Emerging Leaders in Publishing symposium: \$20,000
- Individual Gift (Heather Douglas) \$2000

Confirm policy review

Yes

Submitted by:

John Maxwell

Director's Comments:

The Publishing Program has enormously increased its research profile over the past 3 years (due to new hires). We will be taking the opportunity to better organize and consolidate our activities re: the CISP next year in our upcoming Renewal application. We look forward to working with the VPR in that planning.

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Centre for Imaginative Education	Website:	http://www.circesfu.ca/
Director:	Fettes, Mark	Faculty:	Education
Director's Term End		Renewal Date	4/1/2023

Details

Description of the Centre/Institute:

The Centre for Imaginative Education is an SFU-affiliated research institute dedicated to imagination in all its varied forms. While we have deep roots, interest, and involvement in the field of education, we branch into a range of other fields including leadership, architecture, business, interior design, the visual arts, marketing, and theatre.

The Centre/Institute's membership and organization structure:

The work of the Centre is guided by an Advisory Board, consisting of scholars and educators (currently 18) from a number of countries and with a demonstrated interest in imagination and education. The day-to-day running of the Centre is in the hands of a six-person Steering Committee consisting of SFU faculty and staff, led by an Executive Director and a Scientific Director; the latter must hold a faculty position at SFU.

Most significant accomplishments:

1. In consultation with the Dean and Associate Dean of the Faculty of Education, the Centre has substantially revised its structures and activities, with a strong focus on building partnerships and an international network of contacts and collaborators. This has included a complete revamp of its website and a set of changes to its constitution including a name change (still to be approved by Senate).
2. Collaboration with Creative Higher Education/Creative Academic for Creativity Week: Open Discussion and creation of a Manifesto for imagination and creativity in higher education: <http://www.circesfu.ca/2019/03/02/imagination-creativity-in-higher-education-advocate-with-us/> .
3. 30-Day Walking Curriculum Challenge Event (page: <http://www.circesfu.ca/practice/ecological-place-based-education/take-the-walking-curriculum-challenge-starting-april-3-2019/>) Walking curriculum a nominee for the Cmolik Prize for the Enhancement of Public Education in BC: <https://www.sfu.ca/education/cmolik-prize/shortlist-and-nominees/2019-nominees.html>.

Notable media successes

Monthly #imaginEDchat for educators on imagination-focused topics (@imaginEDnow on Twitter) & monthly Imaginative Leadership Learning Group #ILLG chat (Twitter). Creation of a podcast channel on VoiceEd Radio (link: <http://voiced.ca/celebrating-imagination-in-research-culture-and-education/>). Publication of the STEAM CIRCE Magazine (link: <http://www.circesfu.ca/practice/steam/>).

Events, workshops, public outreach events:

CIRCE/Research Hub Dialogue Series: The Possible's Slow Fuse (3 Events so far) at SFU Surrey, Burnaby and Vancouver (<http://www.sfu.ca/education/research-hub/workshops-events/dialogue-series.html>) Webinars (on Imaginative Museum Education (2), Imaginative Teacher Education, STEAM, Assessment--next one)

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

We organize an annual seminar in January for a group of educators from Chile, at a cost of about \$15,000. This developed out of an MOU with Universidad Finis Terrae, Santiago, which is pending renewal.

Confirm policy review

Yes

Submitted by:

Mark Fettes

Director's Comments:

More details available on request. We presented our proposed changes to the constitution to SCUP in March 2019, and in response to feedback there have sent a revised proposal to the Dean of Education, envisioning a change of status to a Research Centre of the Faculty of Education.

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Operations Research and Decision Sciences

Website: <http://www.sfu.ca/math/research/cords.html>

Director: Lu, Zhaosong

Faculty: Science

Director's Term End

Renewal Date 4/1/2022

Details

Description of the Centre/Institute:

The Centre for Operations Research and Decision Sciences (CORDS) encompasses more than 20 faculty members from Business Administration, Computing Science, Engineering, Mathematics and Statistics. The Centre focuses on research in the area of operations research: the science of optimal decision-making. Members undertake both basic and applied research, and collaborate with industry by consulting and facilitating student internships.

The Centre/Institute's membership and organization structure:

The Director is Zhaosong Lu and a 5 person steering committee (T. Loughin, Z. Lu, A. Punnen, R. Pyke, T. Stephen), along with ordinary members.

Most significant accomplishments:

Ran the Operations Research Seminar, in conjunction with UBC Okanagan:

<<http://people.math.sfu.ca/~tamon/Seminar/SFUOR/index.html>>

Two featured seminars were co-sponsored by PIMS: Jong-Shi Pang (Daniel J. Epstein Department of Industrial and Systems Engineering, University of Southern California) and Asia Ivic Weiss (Mathematics and Statistics, York University). Additional speakers visited from the University of Minnesota, Carnegie Mellon University, TU Vienna and Sun Yat-Sen University.

Engaged in various consulting projects, including with Rare Rocks Acquisitions (Vancouver) and Vancouver Coastal Health.

Notable media successes

Students in the undergraduate Operations Research project course Math 402W were finalists in the 2018 Canadian O.R. Society (CORS) undergraduate research paper competition.

USRA prize citation for Samantha Zimmerman's project _Optimizing Nurse Schedules at a Community Health Centre_.

Events, workshops, public outreach events:

We have done these in the past, e.g. a CORS Vancouver chapter meeting, but didn't host this year.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

Zhaosong Lu

Director's Comments:

The Operations Research academic programs are being being rebased at the Burnaby campus by the Department of Mathematics. There is already considerable O.R. work being done at Burnaby, most notably in health care. The Complex Systems Modelling Group (CSMG) has on-going projects and long standing ties to the government sector, particularly Vancouver Coastal Health.

The recent hire of Caroline Colijn as a Canada 150 Chair greatly enhances this profile. Therefore, it makes sense to refocus CORDS as well as a Burnaby-based operation. In particular, this will allow for better integration with the Big Data Initiative, in particular with its consulting and mentorship programs. Both CORDS and the BDI seek to attract similar consulting opportunities, so it makes sense to coordinate here.

I plan to be on leave during 2019-20. Tamon Stephen has agreed to return as Director starting this Fall, with Alexander Rutherford of CSMG as acting director.

We will also update the Steering Committee. Rutherford, CSMG and the BDI are in a good position to advance the consulting opportunities that come through CORDS, and should be able to raise its profile by taking advantage of the BDI network and channels. On the academic side, Rutherford is taking over as the Operations Research Seminar organizer, and plans to build on the recent link to PIMS by bringing Margaret Brandeau (Stanford) for a PIMS Hugh C Morris lecture.

Dean's section

Reviewed by:

VPR's Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Indigenous Research Institute

Website:

Director: Kelly, Vicki

Faculty: Arts and Social Sciences

Director's Term End

Renewal Date 4/1/2021

Details

Description of the Centre/Institute:

The Indigenous Research Institute was launched on June 21, 2012, to coincide with National Aboriginal Day and our membership list included 54 people representing varied disciplines from across the university. Included in the terms of reference is goal to promote research in areas related to Indigenous peoples, and to facilitate community-based projects with Indigenous partners. The Indigenous Research Institute was created to encourage synergy in research related to Indigenous peoples and to facilitate community-based projects with indigenous partners. Although the IRI does not have an autonomous research program at the present time, faculty affiliated with it conduct their research independently and share their results through forums and lectures. The institute promotes collaborative research projects and supports its members for internal and external funding.

The Centre/Institute's membership and organization structure:

Our membership is comprised of faculty and graduate students, and is intended to facilitate networking among this group of researchers. Membership in the Indigenous Research Institute, which currently sits at 64 members, has fluctuated since it was created. Some changes in our membership roster result from graduate students who complete their programmes. We encourage alumni to remain as 'friends of the IRI' when they leave SFU. A steering committee was created for the IRI and the core members continue to be involved. Currently Dr. Vicki Kelly, Dr. Mary Ellen Kelm, Dr. annie ross and Dr. Eldon Yellowhorn make up the steering committee, which governs the overall direction of the Institute and oversees its management. The steering committee meets regularly to plan Institute activities, such a co-hosting events that fall within our mandate. Initially the steering committee contributed to planning the terms of reference and the application process for the IRI. The Office for Aboriginal Peoples' website contains a portal to a page for the IRI. The Institute continues to accept new membership applications. Members are encouraged to network and to that end an email list was created so that they can share news or form on-line discussion groups.

Most significant accomplishments:**First Highlight:**

Work on the three current projects began when the SFU Ethics Review Board expressed interest in deepening understanding of traditional Indigenous knowledges, ethics and values and approached the Dr. Kelly and IRI in 2018. This led to a series of conversations with members of the Ethics Board, staff from Office for Research Ethics, Indigenous Scholars: John Borrows, Gregory Cajete, Manulani Aluli Meyer, members of the Indigenous Research Institute, and members of local Indigenous communities specifically the Tsleil-Waututh Nation, focusing on what steps are needed to understand the perspectives of the Indigenous communities and what would be required to move into right ethical relations. We agreed to begin by listening to the Knowledge Holders of the communities. The Vice President Research and International indicated support for this process and came on board as a partner. Dr Kelly Banister and Dr Vicki Kelly created a working document Ethical Foundations for Reconciliation: Preparing The Ground and A Way Forward. This 15 page proposal situates the discussion of Indigenous Ethics generally and then within SFU specifically. It outlines a three-year process of connecting with local Indigenous Communities, creating a Circle of Knowledge Holders and then hosting a Research Reconciliation Ceremony and a series of dialogues on Indigenous Ethics. In the second year IRI and SFU are to host a conference/dialogue with other Indigenous Nations in BC, and in the third year the IRI and SFU are to host a National Conference on Indigenous Ethics at SFU. This proposal was shared by Dr Kelly and Dr Bannister with: George Nicholas of IRI; John Borrows, special advisor to SFU President Andrew Petter; Angela and Gabriel George of the Tsleil-Waututh Nation; Dina Shafey of ORE and Malcolm Steinberg of REB; Members of the IRI Steering Committee and then sent on to Joy Johnson VP Research. After each of these individuals and interest group gave support of the IRI Proposal it was sent to Sobhana Jaya Madhavan Assistant VP External Relations and Ron Johnson Acting Director of the Office of Aboriginal Peoples for ARC ASI funding possibilities. Dr. Kelly and Dr. Bannister then met with them and Joy Johnson to outline plan for the proposal.

Second Highlight:

It was decided that Dr Kelly and IRI should apply for the ARC ASI funding using ARC Initiatives template for the first phase of the IRI Ethical Foundations Proposal. This first phase of work focuses on creating a "Circle of Traditional Knowledge Holders" to engage diverse knowledge systems, ethics and values, and to cultivate reciprocal recognition, responsibility and accountability as the essence of sustained mutually-respectful relationships which are essential for Indigenous Community based research. Members of the local Indigenous communities will be asked to advise, share ethical teachings, lead ceremony and guide the development of ethical protocols and governance that align with SFU's mandate and local Indigenous knowledges, values and priorities. Outcomes of the dialogues will be documented to help to inform SFU ethics protocols and approaches to Indigenous Research and research in partnership with Indigenous Communities. The dialogues are intended as educative and pedagogical to the institution of SFU and its Offices, Faculties and Departments. The dialogues aim to facilitate respectful recognition and institutional change within SFU. This Proposal and its budget have been submitted for review.

Third Highlight:

In Oct 2018 Dr. Kelly was approached by Trevor Davis to discuss the revision of the SFU Ethics Policy They meet in October and November of 2018. During these conversation Dr Kelly speaks to the role of Indigenous Ethics and outlines IRI's activities with regards to Indigenous Ethics at SFU. In the second meeting she shares a hard copy of the IRI Ethical Foundations Proposal and suggests Trevor speak to IRI Steering Committee Member George Nicholas and Kelly Bannister as well. In Jan 2019 the three meet with Trevor Davis and Kelly Bannister submits suggested edits to the SFU Ethic Policy, which were incorporated my Trevor Davis.

The above activities have been the focus of the IRI last year of activities. It was thought that the IRI Speaker Series would morph into the IRI Ethics Dialogues for the 2019 year. However, this process of consultation has taken a bit longer than expected. We are hoping to begin in the fall of 2019.

First Highlight:

Work on the three current projects began when the SFU Ethics Review Board expressed interest in deepening understanding of traditional Indigenous knowledges, ethics and values and approached the Dr. Kelly and IRI in 2018. This led to a series of conversations with members of the Ethics Board, staff

from Office for Research Ethics, Indigenous Scholars: John Borrows, Gregory Cajete, Manulani Aluli Meyer, members of the Indigenous Research Institute, and members of local Indigenous communities specifically the Tsleil-Waututh Nation, focusing on what steps are needed to understand the perspectives of the Indigenous communities and what would be required to move into right ethical relations. We agreed to begin by listening to the Knowledge Holders of the communities. The Vice President Research and International indicated support for this process and came on board as a partner. Dr Kelly Banister and Dr Vicki Kelly created a working document Ethical Foundations for Reconciliation: Preparing The Ground and A Way Forward. This 15 page proposal situates the discussion of Indigenous Ethics generally and then within SFU specifically. It outlines a three-year process of connecting with local Indigenous Communities, creating a Circle of Knowledge Holders and then hosting a Research Reconciliation Ceremony and a series of dialogues on Indigenous Ethics. In the second year IRI and SFU are to host a conference/dialogue with other Indigenous Nations in BC, and in the third year the IRI and SFU are to host a National Conference on Indigenous Ethics at SFU. This proposal was shared by Dr Kelly and Dr Bannister with: George Nicholas of IRI; John Borrows, special advisor to SFU President Andrew Petter; Angela and Gabriel George of the Tsleil-Waututh Nation; Dina Shafey of ORE and Malcolm Steinberg of REB; Members of the IRI Steering Committee and then sent on to Joy Johnson VP Research. After each of these individuals and interest group gave support of the IRI Proposal it was sent to Sobhana Jaya Madhavan Assistant VP External Relations and Ron Johnson Acting Director of the Office of Aboriginal Peoples for ARC ASI funding possibilities. Dr. Kelly and Dr. Bannister then met with them and Joy Johnson to outline plan for the proposal.

Second Highlight:

It was decided that Dr Kelly and IRI should apply for the ARC ASI funding using ARC Initiatives template for the first phase of the IRI Ethical Foundations Proposal. This first phase of work focuses on creating a "Circle of Traditional Knowledge Holders" to engage diverse knowledge systems, ethics and values, and to cultivate reciprocal recognition, responsibility and accountability as the essence of sustained mutually-respectful relationships which are essential for Indigenous Community based research. Members of the local Indigenous communities will be asked to advise, share ethical teachings, lead ceremony and guide the development of ethical protocols and governance that align with SFU's mandate and local Indigenous knowledges, values and priorities. Outcomes of the dialogues will be documented to help to inform SFU ethics protocols and approaches to Indigenous Research and research in partnership with Indigenous Communities. The dialogues are intended as educative and pedagogical to the institution of SFU and its Offices, Faculties and Departments. The dialogues aim to facilitate respectful recognition and institutional change within SFU. This Proposal and its budget have been submitted for review.

Third Highlight:

In Oct 2018 Dr. Kelly was approached by Trevor Davis to discuss the revision of the SFU Ethics Policy. They meet in October and November of 2018. During these conversation Dr Kelly speaks to the role of Indigenous Ethics and outlines IRI's activities with regards to Indigenous Ethics at SFU. In the second meeting she shares a hard copy of the IRI Ethical Foundations Proposal and suggests Trevor speak to IRI Steering Committee Member George Nicholas and Kelly Bannister as well. In Jan 2019 the three meet with Trevor Davis and Kelly Bannister submits suggested edits to the SFU Ethic Policy, which were incorporated by Trevor Davis.

The above activities have been the focus of the IRI last year of activities. It was thought that the IRI Speaker Series would morph into the IRI Ethics Dialogues for the 2019 year. However, this process of consultation has taken a bit longer than expected. We are hoping to begin in the fall of 2019.

Notable media successes

Media relations are important for reaching out to the broader community. Therefore the Public Affairs and Media Relations office has added several of the IRI Steering Committee members, and regular members, to its SFU Directory of Experts. PAMR regularly reaches out to us for comments to add to its Issues and Experts list and to prepare press releases about first nations subjects that are in the news. The IRI Past Director was featured on the APTN production 1491: The Untold Story of the Americas before Columbus and the APTN series Nations At War. Both series interview Dr Yellowhorn and Dr Kelly this past year and theses will be available at the APTN website in the near future.

Events, workshops, public outreach events:

IRI Events planned for the Fall of 2019

Membership Form**Financial Summary**

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

Vicki Kelly

Director's Comments:

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Institute for Canadian Urban Research Studies **Website:** <http://www.sfu.ca/icurs.html>

Director: Andresen, Martin **Faculty:** Arts and Social Sciences

Director's Term End 3/31/2020 **Renewal Date** 4/1/2020

Details

Description of the Centre/Institute:

ICURS was established by the Board of Governors of Simon Fraser University in 1992. It is a senior interdisciplinary research institute reporting to the Vice-President, Research.

The Institute furthers multi-disciplinary research on urban issues. More specifically, its objectives are to provide a focus on research about urban challenges in Canada; to promote interdisciplinary collaboration and research; to provide an institutional focus for international scholarship concerning urban problems; to provide a facility in which data for the study of urban problems can be collected, catalogued, and made readily accessible through modern data management; and to provide a facility in which research and techniques can be made available to those having a responsibility for policy.

The focus of the Institute has evolved into an emphasis on public urban safety and security as well as vulnerability and risk.

The Centre/Institute's membership and organization structure:

ICURS membership includes 22 SFU faculty and 30 associated scholars and senior fellows from other research centres around the world. Cross faculty, cross disciplinary research is important to development of better understanding of urban issues and especially to better understanding of complex crime and safety issues. ICURS members include criminologists, economists, geographers, computing scientists, business administration specialists, mathematicians, physicists, psychologists and engineers as well as scholars from the Centre for Interdisciplinary Research in Mathematics and Computing Science (IRMACS) and the School of Interactive Arts and Technology (SIAT). ICURS has a particular focus on having Senior Research Fellows who are retired professionals from government. These Fellows are attracted to the collaborative university/government research where the goal is to make available to government the latest university research techniques and policy studies.

There are two international links worth special attention. SFU is the fundamental core of an evolving Commonwealth Network of Secure Laboratories. The ICURS laboratory developed by Simon Fraser University is being replicated at University College London in the UK and has been replicated at Griffith University in AU. Increased cross-national research is possible as these laboratories, in countries with similar common law, developing the power to undertake research similar to what is possible at Simon Fraser University.

Most significant accomplishments:

1 (Funding): Completion of two research grants totalling \$168,000 in funding from the provincial government through the new Office of Crime Reduction and Gang Outreach was received. This funded 1 post-doc research manager, 2 PhD students, and 2 MA students for research assistant positions.

2 (Publications): 16 peer-reviewed journal articles, and 6 contributions to edited volumes have been published by members of the Institute that relate directly to its mandate.

3 (Networking). Over this past year I have been successful in solidifying my relationship with the Social Analytics Lab at Griffith University to facilitate secure computing police research collaborations. This will

continue over the next year as well as expanding this to the United Kingdom. Additionally, I have continued to spend a great deal of time developing my network with local police services, building trust in order to have data from the police placed back on to our secure servers.

Notable media successes

n/a

Events, workshops, public outreach events:

None

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

The following grants were awarded last year and completed this year and were only able to be awarded to SFU-ICURS because of its secure computing facility:

Office of Crime Reduction and Gang Outreach (Province of British Columbia), Research Grant, 2018 - 2019: \$25,000

Office of Crime Reduction and Gang Outreach (Province of British Columbia), Research Grant, 2018 - 2019: \$143,000, Co-investigator: Tarah Hodgkinson

Confirm policy review

Yes

Submitted by:

Martin Andresen

Director's Comments:

n/a

VPR's section

Reviewed by:

Dugan O'Neil

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Institute for Diaspora Research and Engagement (IDRE)	Website:	http://www.sfu.ca/diaspora-institute.html
Director:	Francis, June	Faculty:	Beedie School of Business
Director's Term End	4/30/2021	Renewal Date	4/1/2022

Details

Description of the Centre/Institute:

Institute for Diaspora Research and Engagement (IDRE)

IDRE, established in 2013, combines interdisciplinary research with community engaged research, and engage in innovative, responsive programming, collaborative dialogue and learning partnerships with the wider diaspora community. At its core, IDRE strengthen links between scholarly research, policy and practice related to multi-cultural diaspora and their role in building inclusive social, economic and political connections. Centre activities include dialogue and engagement, advisory services to diaspora communities, training and the incubation of international economic and enterprise development projects in a Lab-setting.

The Centre/Institute's membership and organization structure:

The Institute governed by a steering committee from within SFU that appoints the director and guides the institutes activities. There are research members as well as guidance provided by an external advisory board.

Most significant accomplishments:

1. The hosting of a major dialogue event to commemorate the 25th anniversary of the genocide against the Tutsis that took place in Rwanda, to bring together diaspora communities affected by genocide. The efforts and initiative of Rwanda to reconcile and build a more conclusive society was highlighted. Over 140 people registered for the event.
- 2 Collaboration with related communities and organizations in BC to raise profile of Canada's joining the UN Declaration of People of African descent by co-hosting discussions, collaborating on research and events related to the Black Diaspora in Canada
3. The launching of a fundraising initiative to create an annual workshop and dialogue geared at Canadian and diaspora communities affected by genocide and to foster the development and research of strategies for reconciliation.

Events, workshops, public outreach events:

Extensive outreach during this period to the diaspora communities related to the UN declaration for the Decade of People of African descent as indicated above.
Outreach activities also focused on NGOs and governments, including Federal, Provincial and City of Vancouver.

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

Funding was received as charitable donations from Van City Foundation- \$5000 and City in Focus 1000, BC Federation of Labour \$500

Confirm policy review

Yes

Submitted by:

June Francis

Director's Comments:

This past year we have been involved with major strategic planning to focus the Institute, create funding opportunities and to create a stronger network of collaboration with researchers, cultural communities and external stakeholders. The effects of these efforts should be clearer in the next year.

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Institute for Environmental Learning **Website:** www.eco-learning.org

Director: Zandvliet, David **Faculty:** Education

Director's Term End 4/1/2020 **Renewal Date** 4/1/2020

Details

Description of the Centre/Institute:

The IEL was created by the SFU Senate to develop and support environmental learning and community engaged research in British Columbia communities, schools and post-secondary institutions. IEL is a BC based partnership among researchers, educators, and government stakeholders, facilitating education and action-oriented research around environmental learning and sustainability and was chartered by the United Nations as a Regional Centre for Expertise on Education for Sustainable Development representing BC and the North Cascades (UN BC RCE).

The Institute is well positioned to play a leading role in the development of environmental learning curriculum and practice with the following objectives:

- Promote multi-sectoral collaboration, community based problem solving and a network of research into effective teaching practices;
- Develop and support research and programs on environmental learning in communities, schools and post-secondary institutions;
- Focus on an interdisciplinary approach to research with multi-institutional involvement and expertise;
- Coordinate research and development activities; and
- Increase private and public involvement in Environmental Learning and related research, fund distribution and policy development

The Centre/Institute's membership and organization structure:

The institute has both a steering committee (for governance) which makes decisions on the basis of consensus. The institute also seeks input more broadly through its advisory council.

Most significant accomplishments:

Case study research with Oceanwise programs (run out of the Vancouver Aquarium).

Participation in a MITACS funded postdoctoral cluster researching Ocean Literacy across Canada

Developing partnerships with the Bamfield Marine Sciences Centre and the VanDusen Gardens (research programs under development).

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

David Zandvliet

Director's Comments:

Website is currently under redevelopment.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Institute for Transpacific Cultural Research (ITCR)	Website:	www.sfu.ca/itcr
Director:	Leung, Helen	Faculty:	Arts and Social Sciences
Director's Term End	12/31/2018	Renewal Date	4/1/2021

Details

Description of the Centre/Institute:

The ITCR is a multidisciplinary research unit aimed at fostering cultural research based on transpacific methodologies while promoting SFU as a hub for transpacific research and community engagement. The ITCR brings local and international constituencies into dialogue with each other with a focus on developing research collaborations and international student exchanges and mentorship.

The Centre/Institute's membership and organization structure:

The Institute consists of a steering committee chaired by the co-directors, an advisory board and four types of membership: SFU faculty members, associate members from other academic institutions, community members, and graduate/postdoctoral members.

Most significant accomplishments:

Since the last report, our major accomplishments were (1) the publication of a special issue "Inter-Asia Beyond Asia" in the Journal of Inter-Asia Cultural Studies (Vol 20.2, 2019) which features research collaborations amongst SFU and international Institute members. (2) We submitted a SSHRC Partnership Development Grant which, despite being unsuccessful, has strengthened institutional relationship with research partners at the National University of Singapore and Hong Kong Baptist University. We will submit the grant again this year. (3) We hosted three visiting scholars from, respectively, the U.S., Taiwan, and Canada. They provided mentorship for graduate students and enhanced the institute's research activities.

Events, workshops, public outreach events:

(1) We hosted a SSHRC-funded research workshop entitled "Inter-Asia Beyond Asia" (Sep 2018) that brought international scholars in conversation with local scholars and artists working on issue of culture, diaspora, colonial histories, and migration. (2) We hosted a masterclass concurrent with the above workshop where international scholars provided mentorship for graduate students working on transpacific issues. (3) We continued to produce our "Transpacific Stories" podcast.

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

Helen Leung

Director's Comments:

This year's efforts were mainly devoted to publishing research that resulted from collaborations amongst institute members and to strengthening international institutional partnerships. In the coming year, in addition to continuing with those efforts, we will focus on grant writing to bring in external funding and on organizing more local public events.

VPR's section

Reviewed by:

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: International Centre for Criminal Law Reform and Criminal Justice Policy

Website: www.icclr.org

Director: German, Peter

Faculty:

Director's Term End

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

Founded in 1991, ICCLR is an independent, international research centre. It is a joint initiative of the Government of Canada, the University of British Columbia, Simon Fraser University, the International Society for the Reform of Criminal Law, and the Province of British Columbia. ICCLR is officially affiliated with the United Nations as a UN Crime Prevention and Criminal Justice Programme Network Institute.

ICCLR develops and delivers technical assistance programs, tools, manuals, research and policy analysis to promote the improvement of criminal justice systems and criminal law policies in Canada and internationally.

The Centre/Institute's membership and organization structure:

ICCLR's 11-member board includes representatives from: the Department of Justice Canada, Global Affairs Canada, the Department of Public Safety Canada, the Ministry of the Attorney General of BC, the International Society for the Reform of Criminal Law, the University of British Columbia, Simon Fraser University, and an Ex-Officio Representative of the UNODC.

ICCLR has 2 full-time staff and 2 part-time staff as well as a roster of 13 Associates who are hired on a per-project basis.

Most significant accomplishments:

- **Strengthening the Protective Environment for Children of Parents in Conflict with the Law**
This multi-phased two-year project (Aug 2016 – Dec 2018) came to a successful completion this year for Public Safety Canada. As a result of this initiative, ICCLR helped two Northern British Columbia Indigenous communities improve access to justice for families and relations with BC Corrections. Through community mobilization activities, ICCLR helped schools strengthen the protective environment for children and promoted stronger engagement with Indigenous leadership. Outputs of this project included Enhancing the Protective Environment for Children of Parents in Conflict with the Law or Incarcerated Framework for Action and Supporting Children with Incarcerated Parents Community Guide.
- **Protection Against Recruitment of Terrorist and Violent Extremist Groups**
ICCLR Senior Associates, Yvon Dandurand and Vivienne Chin, delivered ten learning sessions on practical measures to rehabilitate child victims of extremist groups at the UNODC Regional Capacity Building Training Programme. The manual and training materials used child-sensitive and rights-based programming. The session materials have been pre-tested in 12 countries across Southeast Asia, the Middle East and North Africa.
- **Inaugural Course “Justice for Children” at Hanoi Law University**
Over the course of three years, ICCLR Senior Associates, Yvon Dandurand and Vivienne Chin, worked with partners to develop the curriculum, textbook and instructors guide for the course “Justice for Children”. They delivered training sessions to faculty members with a focus on rights-based and child-sensitive approaches. This course offers six topics on theory, administration and best responses for youth justice. The course is now being adapted for teaching at the graduate level.
- **Corruption: Law, Theory & Practice**
ICCLR Senior Associate, Gerry Ferguson, released the second edition of his book Corruption: Law, Theory & Practice on December of 2018. This work discusses in depth the standards for combating corruption under the international anti-corruption conventions, and takes a specific look at the legislative and policy responses to corruption in the United States, the United Kingdom, and Canada.
- **UNODC Introductory Handbook on the Prevention of Recidivism and the Social Reintegration of Offenders (December, 2018)**
ICCLR Senior Associates, Vivienne Chin and Yvon Dandurand, authored this publication that focuses on the prevention of recidivism and emphasizes the crucial importance of effective programs to supervise and assist offenders and support their social reintegration.
- **Access to Justice Measurement Framework**
ICCLR Senior Associate, Yvon Dandurand, together with Jessica Jahn, developed the Access to Justice Measurement Framework for British Columbia, for the civil society network A2JBC. This framework provides a basis upon which various justice system stakeholders can work to collaboratively produce data for the creation of innovative, user-centered and evidence-based A2J initiatives. Since its 2017 publication the Measurement Framework has been had significant impact on the way that organizations think about measuring A2J in Canada. The BC Justice and Public Safety Council referenced the importance of and explicitly endorsed Dandurand's framework in their 2019-2022 Strategic Plan. The University of Saskatchewan, reference Dandurand's work throughout their 2018 report on increasing access to justice in Saskatchewan. At the Access to Justice Metrics Colloquium held in May 2019 it was revealed that the Access to Justice Measurement Framework was being piloted in two project evaluations in Saskatchewan. One was on violence against women. The second was on a medical legal partnership project by the Centre for Research, Evaluation and Action Towards Equal Justice.

Notable media successes

Webhosting and book review of the book Corruption: Law, Theory & Practice authored by ICCLR Senior Associate, Gerry Ferguson:

- <https://www.cba.org/Sections/Anti-corruption/Resources/Resources/Global-Corruption-Law-Theory-and-Practice-Course>

- <https://blog.canlii.org/2018/07/12/%E2%98%84%E2%98%8F-new-book-on-canlii-commentary-global-corruption-law-theory-practice-by-gerry-ferguson-%E2%98%84%E2%98%8F/>

- <https://onlineacademiccommunity.uvic.ca/press/books/titles/global-corruption/>

Honourable Kate Warner AC, Governor of Tasmania cited the “Best Interests of the Child and the Sentencing of Offenders with Parental Responsibilities” in her speech at the Law Oration 2018:

- https://www.victorialawfoundation.org.au/sites/default/files/attachments/victoria_law_foundation_oration_21_august_2018_0.pdf

ICCLR Senior Associate, Yvon Dandurand, authored the article, “Chasing an elusive consensus on justice reforms” featured in Policy Options, Special Issue on “Widening the Lens of Criminal Justice Reform”. April 16, 2018. (Also in French: La réforme du système pénal: rechercher un improbable consensus):

- <https://policyoptions.irpp.org/magazines/april-2018/chasing-elusive-consensus-justice-reform/>

ICCLR Senior Associate, Vincent Yang, presented at a press conference for the release of the findings of a survey on perceptions of Chinese Canadians in BC regarding the Meng Wanzhou extradition case:

- <https://www.cbc.ca/news/canada/british-columbia/meng-wanzhou-poll-chinese-canadians-1.5124603>

- <https://www.cbc.ca/news/canada/british-columbia/meng-wanzhou-poll-chinese-canadians-1.5124603>

- <https://globalnews.ca/news/5247629/meng-wanzhou-poll/>

In 2015, ICCLR initiated its social media presence with two accounts on Twitter and LinkedIn. In 2016, additional accounts were created on Facebook and Youtube. These accounts have allowed ICCLR to expand its profile, share its initiatives and activities with a global audience, and broaden its network to reach international experts, academics, journalists, international research institutes, and students among many other professionals and organizations. In 2017 and 2018, ICCLR continued to see strong engagement with its various accounts, especially through conferences and workshops organized over the past year. ICCLR now boasts over 1000 followers across these social media channels, and continues to grow its following.

- Twitter: <https://twitter.com/theicclr>

- LinkedIn: <https://www.linkedin.com/company/international-centre-for-criminal-law-reform-and-criminal-justice-policy/>

- Facebook: <https://www.facebook.com/theicclr/>

- YouTube:

- https://www.youtube.com/channel/UCjgWfZHqsMAltAPHVU8pWAg?view_as=subscriber

Events, workshops, public outreach events:

- Anti-Corruption Law Program

In July 2018 ICCLR along with its partners UBC and Transparency International hosted a seminar: "Organized Crime, Casinos, and Money Laundering". The seminar discussion was led by Honourable David Eby, the Attorney General of British Columbia and Dr. Peter German. ICCLR also co-sponsored an Anti-Corruption Law Program Event on Corruption in Maritime Shipping.

- Workshop: Deconstructing the Perfect Survivor

This event, held in June 2018, facilitated the intersectional dialogue and exchange of good practices regarding supporting victims and survivors of sexualized violence. A particular focus of the workshop was centered on marginalized victims and increasing methods of support.

Membership Form**Financial Summary**

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

External funding details

Department of Justice
Vancouver Foundation

Confirm policy review

Yes

Submitted by:

Marcella Chan - Program Coordinator

Director's Comments:**VPR's section****Reviewed by:**

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	International Centre of Art for Social Change	Website:	www.icasc.ca
Director:	Marcuse, Judith	Faculty:	Education
Director's Term End	4/30/2018	Renewal Date	4/1/2023

Details

Description of the Centre/Institute:

ICASC is a national/global hub for research, resources, education, dialogue, community engagement and networking in the field of community-engaged art for social change (ASC). Upon completion of a six-year, SSHRC-funded study on ASC in Canada in August 2019 and over the next three years, the Institute will launch a national mentorship program, create a national network of ICASC affiliates and will begin work on a recently-received Insight research study led by Co-director, Lynn Fels with six of the RA's who have worked with us on the current study.

The Centre/Institute's membership and organization structure:

ICASC has three co-directors: founder, Judith Marcuse, Lynn Fels and Celeste Snowber. It is a partnership between SFU and Judith Marcuse Projects which has funded the Institute's activities since 2007. The JMP Board of Directors and an Advisory Committee (to be revised in Fall 2019) provide fiscal and policy oversight. ICASC has no formal membership structure but rather an extensive national and international network of scholars, artists, arts and other community-engaged change organizations. ICASC's online presence, including its active and comprehensive website, brings together our large, multi-stakeholder audiences while the Institute's newsletter reaches some 3200 colleagues and allies around the world.

Most significant accomplishments:

Over the last year, ICASC has completed and disseminated all remaining research outputs from the SSHRC-funded study. These are the last of some 200 outputs created by our team of seven Co-I's located in six Canadian universities (Marcuse as PI), eight arts and community-engaged NGO's and some 40 Research Associates and RA's. Recently completed are: three video documentaries with footage from case study activities; completion of a series of one-hour video interviews with ASC artists; a revised online, interactive evaluation tool; completion of a book on social circus in Ecuador and ASC, written by four Co-I's and edited by a Research Associate to be published by McGill/Queen's University Press in early 2020; graduation of 19 students in the two-year MEd program, this curriculum including community internships; publication of an online compendium of 13 hours of video documentation of dialogues, workshops, interviews and other resources culled from over 600 hours of documentation; completed a Big Data project on 69 ASC organizations in BC; and published a comprehensive report on ICASC's international conference held at Carleton University last year. A blog series on the topic of partnerships, based on 49 hour-long interviews, has been published online. Finally, ICASC published and distributed a policy recommendations document designed for the federal government. Over the past year, Co-I's, Research Associates and RA's have published articles and essays in peer-reviewed and mainstream outlets; they have taught, offered keynotes and other presentations at academic and other conferences in Canada and abroad, and consulted for university, arts, NGOs and governments, including provision of briefs to two Canadian Parliamentary Standing Committees.

Notable media successes

ICASC presentations have been distributed online by social media outlets including TED and Walrus talks. Marcuse's receipt of Vancouver's Civic Merit Award was covered by mainstream and online media. Documentaries created by research Co-I's have been presented at festivals and in community settings across Canada and in the USA.

Events, workshops, public outreach events:

Virtually all of ICASC's activities involve community-engagement. In the past year, ICASC hosted the final events of 19 community consultations, called Chataquas; hosted an international conference at Carleton University; consulted and taught in diverse community contexts across Canada and abroad, over the last year in Canada, in Whitehorse, Montreal, Toronto, Ottawa and St. John's.

Membership Form**Financial Summary****Does your institute receive direct financial support from the University?**

Yes

SFU Account Number

13-N873801

Opening Balance:

\$24,120.71

Revenues:

\$0.00

Expenditures:

\$24,120.71

Closing Balance:

\$0.00

Financial Report:

[FAST N873801 \(April 2019\).pdf](#)

Financial Contributions from the University

Partial salary for ICASC Co-Director through June 30 2018.

List of major equipment provided by the University

None

University Personnel

None

Space provided by the University

1 office at Harbour Centre & access to the Faculty of Education's shared hotelling space.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

Judith Marcuse

Director's Comments:

An exciting time for ICASC as we complete the six-year, SSHRC-supported national study, begin a new research project and launch a national mentorship program.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

SFU FAST System

Printed: 6/26/2019
Report Filter: User: schevali Fund: 13 Internal Research (OR) Project: N873801 Marcuse J VPR Grant 11-18Period: Apr-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Apr-2019 Cur.Month	Apr-2019 YTD.Actuals	O/S Encumb.	Balance Available
Expenses								
5430	Sals Non-Students RA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5432	Sals Undergrad RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5434	Sals Undergrad RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5438	Sals Masters RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7915	Budget Balance Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	International CyberCrime Research Centre (ICCRC)	Website:	https://www.sfu.ca/iccrc.html
Director:	Frank, Richard	Faculty:	Arts and Social Sciences
Director's Term End		Renewal Date	4/1/2022

Details

Description of the Centre/Institute:

The International Cyber Crime Research Centre (ICCRC) was borne out of a joint venture consisting of Simon Fraser University, the Province of BC, and the International Society for the Policing of Cyberspace (POLCYB), a BC-based non-profit organization established to prevent and combat crimes on the Internet. It opened at the Surrey Campus of Simon Fraser University in the summer of 2008. Significant core funding was provided by the Government of British Columbia. The ICCRC is a focal point for collaboration among cybercrime researchers from universities, government agencies, NGOs and private sector organizations. The Centre brings together SFU faculty researchers, researchers from other Canadian and international universities, relevant government agencies, and private sector organizations to address issues related to countering criminal activity within cyberspace. Projects are concerned with economic crime, child exploitation, terrorism, and the dark web among other issues. The Centre also conducts research into Internet economic crimes such as hate narratives on social media platforms, and online discussion forums. Finally, the Centre also conducts studies on online social movements, like the #metoo Twitter movement bringing support for the victims of sexual assault and harassment. Throughout these projects, the Centre develops web-crawling and analysis tools for studying a wide variety of activities and content on the Internet.

The Centre/Institute's membership and organization structure:

Richard Frank became director in late Fall 2017. The Associate Director position remains open. We have an SFU Steering Committee: John Dill, Brian Fisher and Uwe Glaesser. The aim is to have a Committee meeting annually, with the last one taking place in early July 2018.

Our members include scholars from the USA (Thomas Holt at MSU, Bryce Westlake and San Jose State U), Australia (Gregor Urbas from Canberra U, Lennon Chang at Monash U), and the UK (George Weir, U of Strathclyde), as well as Canadians like Laura Huey (Western).

The Research Centre would not be complete without students. We currently have the following students:

- Logan MacNair, a third-year PhD student studying the online Islamic Extremist movement
- Masarah Paquet, a first-year PhD student who is studying ransomware
- Myf Thomson, working on her MA, and expecting to graduate within a month, studying the public reactions to the online #metoo sexual harassment movement
- Amanda Champion, a first-year MA student who is studying the online representation of sexual victims
- Naomi Zakimi, a first-year MA student who is studying online hate communities
- Soobin Rim, a fourth-year Computing Science student who is doing her second CoOp position with us, working on the software we use to collect and analyze data from the Internet
- (during the past year we had a further 3 CoOp students from Computing Science spend at least one semester with us)

Starting September, we expect at least two additional students to join us to work on the research projects. Further, we are expecting one PostDoc to visit us for approximately 6 months, and we have a few working projects already being discussed for that time.

In October 2018, Dr. Manmeet Singh, a professor in the School of Computer Science at Universiti Sains

Malaysia joined us for 8 months to do research on online drug markets, while on her sabbatical. Further, Dr. George Weir from the University of Strathclyde (Glasgow, UK) also spent the Spring 2019 semester with us, teaching and helping on ICCRC research projects. 2018-2019 was a very busy time, we completely ran out of physical space for students and visiting faculty, and had to borrow a room from another lab. The full list of members can be viewed here: <https://www.sfu.ca/iccrc/members.html>

Most significant accomplishments:

Students and scholars working on ICCRC related projects have 8 journal papers accepted over the past year, 1 book chapters, 2 conference proceedings, 21 conference/symposia/workshop presentations, 1 government reports, along with submitting X papers which are currently under review.

The Center was also involved in 3 large research projects:

- SSHRC Partnership Engage Grants: "The Dark Figure of Reporting and the Dark Figure of Recording: Measuring Ransomware Attacks on Businesses in British Columbia" partnering with the RCMP worth \$18,750
- Small SSHRC. "Beyond extremism: Examining the The_Donald and MetaCanada users" worth \$6,954.25
- Public Safety Canada's Cyber Security Cooperation Program. "Fighting Disinformation Warfare with Artificial Intelligence - Using machine learning to identify and combat disinformation attacks" \$28,750
- Public Works and Government Services Canada "A taxonomy-based data collection and notification system for online investigations" \$158,102

The ICCRC is an academic partner in a major cybersecurity initiative:

"Smart Cybersecurity Network (SERENE)". Networks of Centres of Excellence, \$1,600,000 (Benoit Dupont is PI), Awarded November 2013 (ongoing).

We also organized a special panel at the Western Society of Criminology, in February 2019.

Notable media successes

Media attention varies, depending on the issue of the day, or any malicious activity in the community. For example, if a major hacking or data theft occurs, ICCRC is usually sought out for comments and discussion. We aim to participate and inform media whenever possible. Having said that, the past year was very busy focused on research, and there were no significant media participations.

Events, workshops, public outreach events:

Members continue to showcase ICCRC research and activities at various conferences and events. For example, ICCRC was invited to discuss work being done at the Centre, after a screening of the documentary "Truth Detectives", discussing the role of open source intelligence and big data in police investigations. ICCRC research on the Dark Web was presented at the Vancouver Security Special Interest Group meeting in September, allowing for new student recruitment, and networking opportunities with local business. Finally, ICCRC members routinely meet with members of the law enforcement community to collaboratively work on policy issues, and other challenges facing either municipal, provincial or federal law enforcement agencies. We do not participate in active investigations, but attempt to help whenever possible. This allows us to be visible, while at the same time influencing our research directions to be as relevant as possible. We have established relationships with various sections of the RCMP (with whom we have worked on, or are actively working on, three projects), as well as the Vancouver Police Department with whom we have discussed collaboration, and joint grants.

Membership Form**Financial Summary****Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

- SSHRC Partnership Engage Grants: "The Dark Figure of Reporting and the Dark Figure of Recording: Measuring Ransomware Attacks on Businesses in British Columbia" partnering with the RCMP worth \$18,750
- Small SSHRC. "Beyond extremism: Examining the The_Donald and MetaCanada users" worth \$6,954.25
- Public Safety Canada's Cyber Security Cooperation Program. "Fighting Disinformation Warfare with Artificial Intelligence - Using machine learning to identify and combat disinformation attacks" \$28,750
- Public Works and Government Services Canada "A taxonomy-based data collection and notification system for online investigations" \$158,102

Confirm policy review

Yes

Submitted by:

Richard Frank

Director's Comments:

We had a very busy last year, with 3 projects going through the center, allowing us to upgrade our infrastructure, and fund most of the students at the Center. For next year, we are hoping to be able to continue funding our students as we are continuously applying to new grants with various project partners.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Science and Technology for Aging Research (STAR)

Website: www.sfu.ca/starinstitute.html

Director: Sixsmith, Andrew

Faculty: Arts and Social Sciences

Director's Term End

Renewal Date 4/1/2022

Details

Description of the Centre/Institute:

The Science and Technology for Aging Research (STAR) Institute at Simon Fraser University serves as the focus for transdisciplinary research in the rapidly growing area of technology and aging.

The STAR Institute is affiliated with Simon Fraser University and conducts its activities in such a way as to enhance the reputation and the programs of the University.

The mission of the STAR Institute is to make SFU a world leader in research and innovation in the aging and technology sector, becoming an essential resource for researchers, industry and services in British Columbia.

The Institute will achieve its objectives by encouraging and supporting excellence in research in technology and aging and carrying out translational activities to ensure that new knowledge and intellectual property is effectively mobilized for the benefit of citizens and economy of Canada.

The Institute supports the development and implementation of technology-based solutions to address the social, economic and health challenges encountered in old age. Rapid advances in technology are occurring at the same time as population aging. Technology innovation is a key strategy for creating a society that is responsive to seniors' needs and for reducing healthcare costs. Technology can help older Canadians to keep healthy and active, increase their safety and security, support independent living, and enhance social participation, whatever the person's needs, abilities and circumstances.

The STAR Institute is driven by three key objectives:

1. Support active and healthy aging through research, innovation, policy development, and training
2. Develop talent to meet the needs of BC technology businesses
3. Stimulate innovation, policy and business opportunities in the BC technology sector

The Centre/Institute's membership and organization structure:

Governance

1.1 The Institute is constituted as a research Institute at Simon Fraser University under the terms of SFU Policy R 40.01, "Research Centres and Institutes".

1.2 The Institute comes under the direct authority of the Vice President Research and conducts its affairs in accordance with all other University policies. The term of the Institute is five years as per SFU Policy R 40.01.

1.3 An annual report on the Institute's activities and financial status from April 1st to March 31st, including the current membership of the Institute and *Steering Committee and/or Advisory Board, will be submitted to the Vice-President Research by June 30th of each year.

1.4 The Institute is governed by a Steering Committee and headed by a Director and a Management Team and is affiliated with the AGE-WELL Network of Centres of Excellence.

The Director of the STAR Institute

- Is an SFU faculty member (nomination ratified by the Steering Committee) and appointed by the Vice President Research;
- The Director serves a renewable three-year term;
- The Director's tasks include the following responsibility, which he/she may delegate but not abrogate;
 - o Directing the Management Team;
 - o Overseeing the Institutes finances;
 - o Identifying opportunities and synergies for STAR Institute collaborations;
 - o Recruiting members;
 - o Hiring institute personnel, including support staff and research assistants;
 - o Overseeing the preparation of the annual report to the Vice-President, Research.

The Steering Committee

- The focus is on "translational research" that requires a Steering Committee that is not based on traditional disciplinary research:
 - o 3-4 faculty members including Director drawn from key Faculties/Schools;
 - o 3-4 community-based members drawn from stakeholder groups such as government agencies, industry and the health and long-term care sector;
- The Chair of the Steering Committee will be elected from within the group
- Members of the Steering Committee will serve one-year renewable terms;
- The tasks of the Steering Committee are to oversee and advise the overall direction of the Institute and to oversee the management of its operations. While it normally operates by consensus, when necessary it can make decisions by majority vote, including the appointment of new members to the Steering Committee.

The Management Team

- The Management Team is responsible for the operations of the facility, including day-to-day decision making, budget allocation, resource assignment, policy recommendations, and strategic planning. The Management Team presents the operating plans for the Institute annually to the Steering Committee for ratification.

Membership

Membership of the Institute is available to:

- Researchers, Highly Qualified Personnel (HQP) and other individuals
- Academics within SFU, Canada and elsewhere in the world with an interest in and a commitment to aging, technology and innovation;
- Researchers linked to the Institute through its projects and other activities;
- Individuals within the wider community (industry, community, not-for-profit, government, etc.) with an

interest in the Institute's activities;

- HQP (students, technicians, research fellows);
- Visiting Scholars.

Community Partners

The STAR Institute and the AGE-WELL Network also have opportunities for organizations within the wider community (industry, service providers, community, not-for-profit, government, etc.) to become partner members through direct involvement in projects (e.g. cash or in-kind support).

2018-19 STAR Institute Members

The Institute organizational structure consists of:

Director

Andrew Sixsmith, Co-Scientific Director of AGE-WELL NCE; Professor, Simon Fraser University

Steering Committee Members

Academic:

Pam Borghardt, STAR Institute, Simon Fraser University

Theodore Cosco, Department of Gerontology, Simon Fraser University

Sarah Lubik, Beedie School of Business, Simon Fraser University

Carlo Menon, School of Engineering Science, Simon Fraser University

Andrew Sixsmith, Department of Gerontology, Simon Fraser University

Community:

Mike Harcourt (Current Chair), Lead Faculty, United Way's Public Policy Institution; Advisory Board, Canada's ECOFISCAL Commission; Past Premier of British Columbia and Past Mayor of Vancouver
Jim Mann, Advisory Board on Dementia, Federal Minister of Health; Alzheimer Society of Canada and Alzheimer Society of B.C.; AGE-WELL NCE Research Management Committee; BC SUPPORT Unit Patient Council

Industry:

Lynda Brown Ganzert, Founder and CEO, Curatio

Aly Devji, Director, Stakeholder Relations and Business Development, BC Care Providers Association

Kahir Lalji, Provincial Director, Population Health, Better at Home, United Way of the Lower Mainland

Management Team

Andrew Sixsmith, Director, STAR Institute, Simon Fraser University

Pam Borghardt, Managing Director, STAR Institute, Simon Fraser University

Juliet Neun-Hornick, Special Projects Coordinator, STAR Institute, Simon Fraser University

Research Project Team Members

Zhaoxue Ci, RA/PhD student, University of Calgary

Mei Lan Fang, Research Fellow/PhD student, University of Dundee, United Kingdom

Sabrina Ford, RA, Simon Fraser University

J Lynn Fraser, Writer/Technical Editor

Becky Horst, RA/PhD student, University of Calgary

Alexandra Jackson, RA, Simon Fraser University

Olga Krakovska, Postdoctoral Fellow, Digital Health Hub, Simon Fraser University

Anastasia Korol, RA, Simon Fraser University

Renuga Nagarajan, Postdoctoral Fellow, Gerontology Department, Simon Fraser University

Ellie Siden, RA, Simon Fraser University

Bobbi Symes, Special Projects, STAR Institute, PCHT & CIHR SPA 2018

Mineko Wada, Postdoctoral Fellow, Gerontology Department, Simon Fraser University

Affiliates

Siamak Arzanpour, School of Mechatronic Systems Engineering, Simon Fraser University
Mirza Faisal Beg, School of Engineering Science, Simon Fraser University
Teresa Cheung, School of Engineering Science, Simon Fraser University
Greg Christie, Digital Health Hub, Simon Fraser University
Theodore Cosco, Department of Gerontology, Simon Fraser University
Ryan D'Arcy, Schools of Engineering Science and Computing Science, Simon Fraser University
Martin Ester, School of Computing Science, Simon Fraser University
Faranak Farzan, School of Mechatronic Systems Engineering, Simon Fraser University
Diane Finegood, Biomedical Physiology and Kinesiology Department and Centre for Dialogue, Simon Fraser University
Uwe Glasser, School of Computing Science, Simon Fraser University
Farid Golnaraghi, School of Mechatronic Systems Engineering, Simon Fraser University
Diane Gromala, School of Interactive Arts and Technology, Simon Fraser University
Gillian Judson, Centre for Imagination in Research, Culture and Education (CIRCE), Simon Fraser University
Angelica Lim, School of Computing Science, Simon Fraser University
Sarah Lubik, Beedie School of Business, Simon Fraser University
Elicia Maine, Beedie School of Business, Simon Fraser University
Carlo Menon, School of Engineering Science, Simon Fraser University
Sylvain Moreno, School of Interactive Arts and Technology, Simon Fraser University
Edward Park, School of Mechatronic Systems Engineering, Simon Fraser University
Stephen N. Robinovitch, Biomedical Physiology and Kinesiology (BPK), Simon Fraser University
Thecla Schiphorst, School of Interactive Arts and Technology, Simon Fraser University
Chris Shaw, School of Interactive Arts and Technology, Simon Fraser University
Richard Smith, School of Communication, Simon Fraser University
Carolyn Sparrey, School of Mechatronic Systems Engineering, Simon Fraser University

Partners and Collaborators

AGE-WELL Network of Centres of Excellence (<http://agewell-nce.ca/>)
AGE-WELL New Brunswick National Innovation Hub Advancing Policies and Practices in Technology and Aging (APPTA) (<https://agewell-nih-appta.ca>)
BC Care Providers Association (<https://bccare.ca/>)
Canadian Consortium on Neurodegeneration in Aging (<http://www.cihr-irsc.gc.ca/e/46475.html>)
Canadian Institutes of Health Research – Institute of Aging (<http://www.cihr-irsc.gc.ca/e/8671.html>)
Digital Health Circle (<https://www.digitalhealthcircle.ca>)
Northern Health Science Alliance (<http://www.thenhsa.co.uk/>)
SFU Point of Care Health Technologies Team (<http://www.sfu.ca/pcht.html>)
United Way Lower Mainland
(https://www.uwlm.ca/?gclid=CjwKCAjwwZrmBRA7EiwA4iMzBOi3BJL2qWUujNNr5eqCZayL7vU1hl7O3LU7eDw0oqF_v76xr8nFBB0CF-UQAvD_BwE)
411 Seniors Centre Society (<http://411seniors.bc.ca/>)

Most significant accomplishments:

The STAR Institute has had a very active program of research and training on aging and technology this past year. Below we highlight just a few of our many activities:

1) CIHR Summer Program in Aging (SPA) 2018

In 2018 the CIHR Institute of Aging (CIHR IA) partnered with the STAR Institute to host an innovative five-day training program that focused on Technology and Innovation Supporting the Health of Older Adults.

The STAR Institute was responsible for hosting and organizing the week-long event on behalf of CIHR IA and facilitating each day's programming, meals and additional skill/team-building activities. The STAR Institute also developed and designed the SPA 2018 program, program at a glance and additional materials. Forty students (primarily PhD/Masters level) from across Canada attended SPA 2018. Thirteen mentors and seven guest speakers (academics and experts in the field of aging and technology) participated and contributed throughout the week.

During SPA 2018 trainees had the opportunity to engage in learning sessions, experiences, and activities built around the core thematic area of technology and innovation supporting the health of older adults. SPA 2018 explored fundamental topics such as research and professional skill building, grant writing, communications and knowledge translation. To further the interdisciplinary experience, trainees had access to networking and mentoring opportunities that were offered throughout the week including core mentors that were available throughout the program.

The objectives for this event were to:

- Improve awareness of the relationship between academic research and real-world impact
- Expand understanding of technology, innovation and eHealth and the benefits for older adults
- Develop skills in user-centered design and evaluation
- Practice team-work skills in mini-projects
- Develop grant preparation, peer review, and communication skills
- Gain an understanding of innovation, knowledge translation, and commercialization
- Gain an understanding of the methodologies used in longitudinal studies such as the Canadian Longitudinal Study on Aging (CLSA) - a major platform on research in aging
- Gain an understanding of the studies and initiatives linked with the Canadian Consortium on Neurodegeneration in Aging (CCNA) - the Canadian Component of the CIHR Dementia Research Strategy and AGE-WELL NCE (Canada's technology and aging network)
- Explore professionalism and ethical frameworks related to research in aging
- Work in multidisciplinary groups to encourage interdisciplinary collaborations
- Network with other emerging researchers and academic mentors in the field of technology and aging from across the country and abroad

The participants were divided into 5 groups and spent the week learning and building towards final group presentations. The presentations were 15 minutes in length (could include ppt slides, skit, handouts, etc.) with a 10-minute Q&A. Each group was also expected to develop a 300 word lay summary due mid-week. For the judging format there were two competitions - one judged by mentors and one judged by their peers.

CIHR SPA 2018 Program at a Glance:

http://www.sfu.ca/content/dam/sfu/starinstitute/SPA2018/SPA%202018%20Program%20at%20a%20Glance_May%2023.pdf

CIHR SPA 2018 Full Program:

http://www.sfu.ca/content/dam/sfu/starinstitute/SPA2018/SPA%202018%20Program_May%2027.pdf

2) Canadian Consortium on Neurodegeneration in Aging (CCNA) Project: Technologies for Cognitive Health (Sub-project 15.8)

This research project specifically looked at market opportunities in relation to technologies for people with dementia. The project was part of a large international project between Canada (<http://agewell-nce.ca/>) and France (<https://www.sattgc.com/en/homepage/>). It aimed at investigating integrated models of dementia care, study concrete solutions to sustain or improve health in aging population (i.e., training, activities), and the determinants of dementia over the lifespan.

The funding was primarily for salary (post-doc) who engaged in carrying out user-driven research around technology solutions for people with dementia at different levels of cognitive impairment, with the objective of feeding into technology solutions to support independence. The project involved: an initial scoping literature review work; an environmental scan; concept development in knowledge café workshop. Future work may include user validation of technology ideas; support to pilot testing of technologies and supporting field trials of technologies.

Preliminary Scoping Review

The preliminary scoping review looked at cost effectiveness of technology supports for people with dementia and explored the extent to which current research on dementia technology-aids demonstrate the cost-effectiveness of these initiatives. Technology could help relieve the burden placed on healthcare services and caregivers. However, there is a gap in the research regarding cost-effectiveness. The review also investigated the effect gender has on the finances of people affected (both directly and indirectly) by dementia. It has been demonstrated that dementia does not affect both genders equally. A paper is being prepared for publication.

Environmental Scan and Report

The environmental scan focused on the developments over the past decade in technology for the support and care of persons with dementia. The environmental scan was used to identify the current global landscape of products, services, and policies to make evaluations of the gaps and opportunities for future research and development. A paper is being prepared as an update to the article written by A. Sixsmith in 2006 which was a review of technology and dementia research and is being developed into a report. Information collected to compose this report was used to develop a Knowledge Café workshop (see below) on the topic of cognitive health and technology. An additional report is being developed which provides an overview of the workshop, outcomes of the workshop discussions, summary of table discussion points, post workshop survey data, workshop methodology and materials, and more.

3) Key Outputs and Publications from the past year and in the works

The STAR Institute team has been very active the past year developing a number of environmental scans and manuscripts that will lead to publications. These include policy documents and strategic reports relating to aging and technology solutions. These outputs will help position and provide Canada with opportunities in relation to global research and innovation in the field of aging and technology.

Provincial and International Ageing Policies Environmental Survey/Scan

This Environmental Scan represents a compilation of policies related to ageing as listed in key ageing documents. While the New Brunswick AGE-WELL Innovation Hub (APPTA) has focused on national Canadian ageing policies, this project looked at policy documents released by extra-governmental, research and international ageing organizations, as well as those released by other nations and by organizations invested in the “silver economy”. Sources were gathered on expert recommendation. While the organization summary, policy challenges and provenance categories have been summarized by the STAR Institute, the policies have been copied verbatim from their sources. These formed the basis for STAR Institute's 18 Key Issues in Aging in the 21st Century digital booklet (and AGE-WELL's 8 Challenge Areas booklet titled The Future of Technology and Aging Research in Canada - https://agewell-nce.ca/wp-content/uploads/2019/01/Booklet_8_Challenges_English_5_final_PROOF_rev.pdf).

Key Issues in Aging in the 21st Century Digital Booklet

In partnership with AGE-WELL and the New Brunswick AGE-WELL Innovation Hub, the STAR Institute developed AGE-WELL's 8 Challenge Areas booklet that provided basic information on the priority areas for AGE-WELL's new research and innovation program 2020-23. A scan of national and international policy priorities and public consultation across Canada resulted in the identification of 8 key areas that are critical to the development of the technology and aging sector in Canada. Each of AGE-WELL's next set of core projects will be aligned with at least one of the Challenge Areas. The team originally identified 18 key issues in aging and technology which led to AGE-WELL's 8 Challenge Areas booklet. AGE-WELL NCE and STAR Institute's Director Andrew Sixsmith launched the Challenge Areas booklet at the Canadian Science Policy Centre (CSPC) 2019 Conference on November 7, 2018 in Ottawa (<https://sciencepolicy.ca/cspc-2018>).

The STAR Institute is in the final stages of developing its Key Issues in Aging in the 21st Century digital booklet which outlines 18 key issues for research, innovation and technology that will have real-world benefits for older adults, the economy and policy-makers. Our aim is to help people working in the field of aging to identify where we need innovation - new ideas, technologies, policies and practice - in order to make an impact in each of these areas. Each key issue consists of four pages and provide a summary of the key issue, policy priorities for this area, an outline of the issues within this area, the impact of this key issue, opportunities for technology and innovation, links to the most important sources in this area, key stats, key words, quotes, and visuals. We include examples from around the world of exciting initiatives that aim to address the issues and challenges we highlight.

The booklet has been circulated to the STAR Institute's Steering Committee, local partners at SFU and a number of AGE-WELL committees to receive final feedback before the booklet's official launch in Fall 2019. The preliminary link can be found here: <http://www.sfu.ca/starinstitute/about/research.html>.

Springer Book - Knowledge, Innovation, and Impact: A Guide for the Engaged Health Researcher
Members of the STAR Institute and the AGE-WELL Network are currently working on a book to be published by Springer titled Knowledge, Innovation, and Impact: A Guide for the Engaged Health Researcher. The book has sixty-eight author contributors and has been a tremendous and rewarding effort to coordinate. We are in the final manuscript preparation and will send to Springer by August 2019.

The world of research is changing. The idea of an academic working alone in their ivory tower, isolated from the distractions of the outside of the world, is becoming a thing of the past. Increasingly, researchers are working in teams in large collaborative projects, where the funders have high expectations that the research will deliver tangible social and economic benefits. This book is about innovation, or turning ideas, knowledge and technologies into action that will have positive impact on society.

The aim of the book is simple - to provide researchers with a straightforward and accessible guide on how to carry out research that will help them to combine both good science with real-world impact. The format of this book is also very simple - short chapters on key topics, case studies and learning activities, written in plain language (maybe a first in a book aimed at the research community) that will guide researchers through the process of research-driven innovation.

The book is divided into 4 sections: Thinking about impact; Working Collaboratively; Designing Together; and Reaching Out and will have:

- 25 Primary (How-To) Chapters - each addressing a key pillar in the translational research process
- 15 Case Study Chapters - each addressing a key idea in the translational research process
- 7 Learning Activities- each addressing a key idea in the translational research process

Welfare Regime Manuscript

Understanding the variations in typologies of welfare regimes across countries and developing effective policies that could expand the socioeconomic of the society has been a major challenge since the welfare regime remains a vaguely defined term. This paper aims to analyze the typologies of welfare regimes around the world with multivariate analysis. The paper's comparative approach would be necessary for researchers and policymakers, who have been studying and implementing specific interventions designed to improve their countries' welfare regimes toward more efficient models. The paper is titled Welfare Regimes and the countries' positions: In the process of finding groups of countries with similar welfare regimes across the world and is currently under review with the International Social Work journal (<https://journals.sagepub.com/home/isw>).

Aging Workforce Manuscript

The ageing of populations worldwide has implications for workforces in developed countries, and labour shortages have increasingly become a political concern. Governments in developed countries have responded by increasing the retirement age as a strategy for overcoming the fall in labour supply. Using bibliometric techniques, this paper reviews 122 articles published between 1990 and 2018 to examine the effectiveness of the strategy in addressing the labour shortages and, in particular, to identify the factors that contribute positively to maintaining worker participation within an ageing workforce at an organizational level. The paper is titled Defining organizational contributions to sustaining an ageing workforce: a bibliometric review and is published in the European Journal of Ageing (<https://link.springer.com/journal/10433>).

Aging and Technology "Key Issue" on Aging Workforce Manuscripts

One of the 18 key issues in STAR Institute's Key Issues in Aging in the 21st Century digital booklet was on the Aging Workforce. As an additional deliverable two manuscripts have been written which provide a more detailed exploration of challenges faced by an older population in the workforce. The first manuscript focuses on international policy analysis, is titled Policy initiatives to address the challenges of an older population in the workforce and is currently under review with the Ageing International journal (<https://link.springer.com/journal/12126>).

The second manuscript focuses on Canadian policy analysis, is titled Policy initiatives and the contribution of technology on an aging workforce and is currently being finalized for publication.

Point of Care Health Technology (PCHT) - Research Project Resources for Real-World Impact

One of the roles of the STAR Institute is to communicate research outcomes to the "real-world". Each research project within the SFU technology and aging world should have parallel academic and real-world outputs. As well as academic papers, projects coming out of the STAR Institute and the PCHT team aim to provide outputs targeted at knowledge users. As part of the PCHT research project team the STAR Institute is developing a collection of these outputs including:

Info sheet - A "what-do-we-know" summary;

Project brief - A lay summary of the who, what, why, how, where and when of a new project;

Research brief - A lay summary of research project and results;

Policy brief - Short summaries of research implications for social, health and economic policy, targeted at policy with a focus on problems, potential solutions and social and economic benefits;

Business brief - How the results of the research can be developed into new business opportunities; and

Impact case studies - Examples of excellent research that has led to real-world impact.

These knowledge mobilization resources are in final stage of review and will be available on our website by Fall 2019.

The STAR Institute team also continued to carry out other research activities that contributed to the

strategic priorities of the AGE-WELL Network, including research on eHealth innovation and policy related to aging, transdisciplinary working and user involvement.

Notable media successes

1. April 27, 2018: 'The Opportunity for the Older Consumer' AGE-WELL webinar. Older adults over 60 currently spend \$4 trillion a year and that number is likely to increase. Companies need to refocus on this expanding market to meet unmet needs and to seize the opportunity of the older customer. This webinar covers how product development and research can be enriched by the involvement of consumers, and ways in which older adults and caregivers can take part, drawing on AGE-WELL examples. Found at: <https://www.youtube.com/watch?v=2EGQMPbSKKk&t=2598s>
2. October 15, 2018: Lazaruk, S. (2018, October 15). 'Silver economy offers business opportunities, SFU aging expert says.' Vancouver Sun interview with D. Kaufman and A. Sixsmith on AGE-WELL conference and research. Found at: <https://vancouversun.com/business/local-business/silver-economy-offers-business-opportunities-sfu-aging-expert-says>.
3. November 14, 2018: 'Technology Connects - Exciting innovations to transform lives and reduce social isolation' - YOUAREUNLTD magazine interview. Director of the STAR Institute, A. Sixsmith, was interviewed by YouAreUNLTD magazine. The new publishing brand is designed to disrupt and redefine what it means to get older by providing Canadians with a fresh voice and the resources they want to age with vitality. The article can be found in the third issue of YouAreUNLTD magazine on page 50 - Found at: <https://agewell-nce.ca/youareunltd>.
4. January 30, 2019: Interview for AGE-WELL Research Video at Q Media Solutions. The aging population is one of the greatest challenges of the 21st century. In this new video, researchers and young entrepreneurs talk about technology-based solutions they are developing for older adults and caregivers, with support from AGE-WELL, Canada's Technology and Aging. Interview with the STAR Institute Director, A. Sixsmith, is included. Found at: <https://www.youtube.com/watch?v=PesRZAcM8uo>

Events, workshops, public outreach events:

AGE-WELL Vancouver Roadshow 2018

The STAR Institute helped organize and facilitate the AGE-WELL Network Renewal Roadshow - Creating the Future: AGE-WELL 2020-2025 on June 26, 2018 at SFU Harbour Centre in Vancouver. The Vancouver-based roadshow was a part of a national dialogue about the next phase of Canada's technology and aging network. In early 2018, AGE-WELL began a strategic planning process that enabled it to define its priorities for 2020-2025. AGE-WELL organized six roadshows across Canada to engage in a dialogue with stakeholders by sharing highlights of plans for the future, describing how to get involved in the network and inviting participants to share their comments.

Keynote Speaker at ISG Korea Chapter 2018: International Symposium on ICT-based Community Care for the Elderly Living Alone in Korea

STAR Institute Director, Dr. Andrew Sixsmith, was asked to present as a keynote speaker at ISG Korea Chapter 2019 on October 5, 2018 in Seoul, Korea. Dr. Sixsmith presented on Technology and the Challenge of Aging in the 21st Century.

AGE-WELL Conference 2018

AGE-WELL NCE's 4th Annual Conference took place from October 16-18, 2018 in Vancouver. This was held as a pre-conference event to the Canadian Association on Gerontology (CAG) Annual Scientific and Educational Meeting (<http://cag2018.ca>). The conference showcased a multi-disciplinary program of research and innovation from across the AGE-WELL network and engaging demonstrations and presentations spotlighted real-world solutions to support healthy aging. Sessions were designed to maximize networking, knowledge exchange and collaboration among AGE-WELL stakeholders. The STAR Institute provided management and administrative support pre-and-throughout the conference and the STAR Institute research team presented two posters at the conference.

1. Science and Technology for Aging Research (STAR) Institute

Collaboration and partnerships amongst various stakeholders is critical in developing technological innovations that will be responsive to older adults needs within society. In response to this, the STAR Institute has developed partnerships and projects with the mission to support optimal healthy living, develop talent and stimulate technology innovation. The STAR Institute is proud to recognize their partnerships with the Canadian Institutes of Health Research (CIHR) - Institute of Aging, the work with Mitacs Canada, the Canadian Consortium of Neurodegeneration in Aging (CCNA) and AGE-WELL, and is excited for the future collaboration with Singapore University. Link to poster: http://www.sfu.ca/content/dam/sfu/starinstitute/Photos/1_STAR%20Institute%20Poster_AW%20Conference%20copy.pdf

2. Addressing the Challenge of Aging: The Silver Economy

Collaboration and partnerships amongst various stakeholders is critical in developing technological innovations that will be responsive to older adults needs within society. In response to this, the STAR Institute has developed partnerships and projects with the mission to support optimal healthy living, develop talent and stimulate technology innovation. The STAR Institute is proud to recognize their partnerships with the Canadian Institutes of Health Research (CIHR) - Institute of Aging, the work with Mitacs Canada, the Canadian Consortium of Neurodegeneration in Aging (CCNA) and AGE-WELL, and is excited for the future collaboration with Singapore University. Link to poster: http://www.sfu.ca/content/dam/sfu/starinstitute/Photos/2_Challenge%20Area%20Poster_AW%20Conference%20copy.pdf

Keynote Speaker at Jockey Club Smart Ageing Hub Opening Ceremony and Symposium in China
STAR Institute Director, Dr. Andrew Sixsmith, was asked to present as a keynote speaker at the Jockey Club Smart Ageing Hub Opening Ceremony and Symposium on October 27, 2018 in Hong Kong, China. Dr. Sixsmith presented during the A Global Concern - Ageing Population session. His presentation topic was on Technology and the Worldwide Challenge of Aging.

Panelist at Canadian Science Policy Conference 2018

STAR Institute Director, Dr. Andrew Sixsmith was asked to attend the Canadian Science Policy Conference 2018 from November 7-9, 2018 in Ottawa as a panelist on the Longevity Innovation and Sustainable Aging panel. Other members of the AGE-WELL NCE Network Management Office also attended in order to launch AGE-WELL's Challenge Area's booklet.

STAR Institute Knowledge Café

The STAR Institute hosted a Knowledge Café workshop at SFU Harbour Centre in Vancouver on February 5, 2019. As mentioned in the accomplishments section of this report, the STAR Institute received funding from the Canadian Consortium on Neurodegeneration in Aging (CCNA) for sub-project 15.8 titled Technologies for Cognitive. The sub-project specifically looks at market opportunities in relation to technologies for people with dementia. The findings from the environmental scan that was carried out were used to develop the Knowledge Café on the topic of cognitive health and technology. Data from the event is being included in an additional report which is currently being developed. AGE-WELL NCE and the CIHR Institute of Aging also provided funds for event development and organization expenses. The Knowledge Café was a great opportunity for researchers, students, industry and government partners and stakeholders in the aging and technology sector to: prioritize areas of development for future care technologies; identify key ethical considerations of current and future technologies; discuss strategies to best distribute knowledge concerning technologies for dementia to those who may need it.

Point of Care Health Technology (PCHT) Research Forum Community Engagement Event

The SFU Point of Care Health Technology (PCHT) team organized a Research Forum at the Brock House Seniors Society in Kitsilano, Vancouver, on February 6, 2019. Trainees from PCHT and the STAR Institute connected with members and seniors of Brock House so that they could learn about emerging care health technologies and research findings through a series of short presentations. Each presentation was followed by a Q&A period with a chance to see prototypes of upcoming technology. STAR Institute Director, Dr. Andrew Sixsmith, and postdoctoral fellow, Zhaoxue Ci, presented on

various STAR Institute research projects.

AGE-WELL HQP / OACAC, STAR Institute and AGING 2.0 Social

AGE-WELL NCE and the STAR Institute sponsored and co-organized a social event at Rogue Kitchen and Wetbar in downtown Vancouver on March 4, 2019 for local researchers, AGE-WELL's Highly Qualified Personnel (HQP) and the Older Adult and Caregiver Advisory Committee (OACAC). Members from Vancouver's Aging 2.0 Chapter also attended. This was a good opportunity to meet and chat informally with others in BC interested in technology and aging, and who could be community and/or industry partners on future projects.

Presenter at New Technologies: Opportunity or Challenge for the Aging Population? International Conference

STAR Institute Director, Dr. Andrew Sixsmith was asked to present at the New Technologies: Opportunity or Challenge for the Aging Population? International Conference from March 27-28, 2019 in Prague. The international conference was the third in a series organized in the frame of the long-term (eng)aging! project. The (eng)aging! project is organized by KEYNOTE (<http://www.keynote.cz>), a well-established consultancy in cooperation with Active Aging Centre (<http://www.keynote.cz/aging-workforce-older-workers-and-immigrants-as-new-pillars-of-western-economies/event/40/office@cojo.network>) a non-governmental organization. The project reflects the crucial importance of a society-wide debate regarding the topic of demographic change and aging population, and aims to highlight these issues, stimulate a constructive discussion, and help to create conditions that will make use of demographic change for the benefit of societies. It consisted of a series of panel discussions, public seminars, roundtables and annual international conference focusing on topics related to the demographic change and the population aging.

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

Yes

SFU Account Number

N874067 13

Opening Balance:

\$26,589.08

Revenues:

\$25,000.00

Financial Report:

[N874067 13.pdf](#) (attachment below)

Financial Contributions from the University

\$25k annual contribution from the Vice President Research and International

List of major equipment provided by the University

None

University Personnel

None

Space provided by the University

Shared office space in the Department of Gerontology.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

AGE-WELL NCE Scientific Director Stipend - \$125,000.00

AGE-WELL NCE CC3 T-work Project - \$40,938.00

AGE-WELL NCE 1.3 OAL Involve Project - \$9,300.00

CCNA Team 15 Project - \$36,299.73

CIHR IA SPA Grant - \$85,000.00

Mitacs Accelerator - \$20,000.00

Confirm policy review

Yes

Submitted by:

Andrew Sixsmith and Pam Borghardt

Director's Comments:

The aging of world populations is one of the biggest challenges of our time. Meeting this challenge requires us to find new ideas and solutions that will help people to enjoy healthy and fulfilling lives as they age, whatever their needs and situations. The mission of the STAR Institute is to make Simon Fraser University a world leader in research and innovation in the aging and technology sector, becoming an essential resource for industry and services in British Columbia. In order to continue to realize this goal, the STAR Institute has been highly active over the last 12 months. The research team has been carrying out some outstanding work with a key goal of mobilizing and communicating results that will lead to practical solutions in the aging and technology sector. We continue to work closely with our AGE-WELL NCE partners in pushing the research and innovation boundaries in the aging and technology further forward. The STAR team has taken on the responsibility of supporting transdisciplinary research approaches within the Network. The roadshows, workshops and Network annual conference in Vancouver last year highlight the importance of STAR to AGE-WELL. Helping AGE-WELL in its renewal bid 2020-23 has also been one of our priorities over the last year. Our efforts have also extended internationally, with missions and events with academic partners and universities in Europe, South Korea, Hong Kong. This has resulted in an MoU with the Northern Health Alliance in the UK, with the prospect of joint future research and training activities in healthy aging. In this coming year we look forward to continuing these goals and initiatives, finalising key deliverables such as the "Engaged Health Researcher" and the digital booklet on "Key Issues in Aging" book and exploring new opportunities in the global aging and technology sector.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

SFU FAST System

Printed: 6/28/2019

Report Filter: User: pjborga Fund: 13 Internal Research (OR) Project: N874067 Sixsmith Nce Agewell 3-20 GEROPeriod: Mar-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
Expenses								
5416	Salaries Research Assoc	0.00	0.00	0.00	-1,795.30	-41,553.11	0.00	41,553.11
5430	Sals Non-Students RA	0.00	0.00	0.00	3,836.88	55,393.71	0.00	-55,393.71
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	8,691.45	-4,724.94	0.00	4,724.94
5460	Sals Non-Students Hourly	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5462	Sals Non-Students Salaried	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5485	Instruct/Resch-Internal Recov	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	927.96	4,760.77	0.00	-4,760.77
5922	Benefits - Internal Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	2,892.45	0.00	-2,892.45
6090	Equipment - General under 5K	0.00	0.00	0.00	0.00	305.46	0.00	-305.46
6120	Lab Equipment and Supplies	0.00	0.00	0.00	0.00	2,429.07	0.00	-2,429.07
6164	Software License and Purchases	0.00	0.00	0.00	0.00	288.53	0.00	-288.53
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00	1,778.87	1,778.87	0.00	-1,778.87
6660	Telecommunication Charges	0.00	0.00	0.00	855.31	2,110.18	0.00	-2,110.18
6664	Cell Phone Charges	0.00	0.00	0.00	0.00	1,151.51	0.00	-1,151.51
6772	Equipment and Furniture Rentl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	25,000.00	25,000.00	0.00	150.59	0.00	24,849.41
6998	External Expense Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6999	Internal Expense Transfer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	823.24	0.00	-823.24
7002	Employee Field Travel Expenses	0.00	0.00	0.00	-141.30	388.76	0.00	-388.76
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	-690.18	-690.18	0.00	690.18
7040	Conference Registration	0.00	0.00	0.00	-208.86	555.83	0.00	-555.83
7042	Training and Development	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	-17,831.41	0.00	17,831.41
7468	Information Services Charges	0.00	0.00	0.00	25.00	50.00	0.00	-50.00
7915	Budget Balance Forward	0.00	26,589.08	26,589.08	0.00	0.00	0.00	26,589.08

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
	Subtotal	0.00	51,589.08	51,589.08	13,279.83	8,279.33	0.00	43,309.75
.								
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	5,647.72	6,958.01	0.00	-6,958.01
	Subtotal	0.00	0.00	0.00	5,647.72	6,958.01	0.00	-6,958.01
	Total	0.00	51,589.08	51,589.08	18,927.55	15,237.34	0.00	36,351.74

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Pacific Institute for the Mathematical Sciences (PIMS)	Website:	http://www.pims.math.ca/
Director:	Adcock, Ben	Faculty:	Science
Director's Term End		Renewal Date	4/1/2021

Details

Description of the Centre/Institute:

The Pacific Institute for the Mathematical Sciences (PIMS) is dedicated to promoting all aspects of the mathematical sciences by stimulating, coordinating and facilitating the activities of mathematical and computational scientists. This is achieved by

- promoting research in mathematical sciences areas
- initiating and promoting mathematics education at all levels: K-12 and university
- initiating collaborations and strengthening ties between mathematical scientists in the academic community and those in the industrial, business and government sectors
- training of highly qualified personnel for academic and industrial employment
- developing new technologies to support research, communication and training in the mathematical sciences.

Through the strength and vitality of its programs, PIMS is able to serve the mathematical sciences community as a catalyst in many areas of significance: communication and dissemination of mathematical ideas through public outreach, mathematical education and training at all school levels; and creation of strong mathematical partnerships and links. PIMS involves scientists in several faculties at Simon Fraser University faculties including the Faculties of Science, Applied Sciences, and Education. The PIMS community includes specialists in mathematics, statistics, computer science, mathematical physics, biology, chemistry, economics, operations research, management, engineering, and other fields involving mathematical methods. In addition, PIMS involves teachers in the mathematical sciences at all levels. PIMS-SFU is the Simon Fraser University representative of PIMS and shares the goals and ideals of PIMS generally while also meeting the specific needs of the mathematical sciences community at this University.

The Centre/Institute's membership and organization structure:

PIMS is headed by a Director, an Executive Director and a Board. The SFU PIMS site is directed by the site director. All members of the Department of Mathematics, Department of Statistics and Actuarial Sciences and School of Computing Science are member of PIMS.

New from June 2019, the PIMS Deputy Director is also a faculty member at SFU (Professor Marni Mishna, Mathematics)

Most significant accomplishments:

PIMS CRG in High Dimensional Data Analysis (<https://www.pims.math.ca/scientific/collaborative-research-groups>)

Combinatorial Potlatch (<http://faculty.wvu.edu/sarkara/2018/potlatch2018.html>)

Changing the Culture (<https://www.pims.math.ca/educational/changing-culture>)

Events, workshops, public outreach events:

Mathcatcher (<http://mathcatcher.irmacs.sfu.ca/>)

Additional documents:

[FY 2018-2019 Activities.rtf](#) (attachment below)

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Confirm policy review

Yes

Submitted by:

Ben Adcock

Director's Comments:

Dean's section

Recommended decision

Approved by:

Dugan O'Neil

Dean's Comments:

Activites:

Changing the Culture

Callysto Project

Distinguished Speaker Series in Applied Math & Computations

Seminar Series in Applied Math & Computations

IMS New Researchers Conference

Discrete Math Seminar Series

CRG 33: High Dimensional Data Analysis

Combinatorial Potlatch

Operations Research Seminar

Symposium on Mathematics and Computation

Testing Gravity Conference

Postdoctoral Fellows:

Simone Brugiapaglia

Nick Dexter

Mattia Talpo

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: TRIUMF **Website:** www.triumf.ca

Director: Bagger, Jonathan **Faculty:**

Director's Term End 6/30/2020 **Renewal Date** 4/1/2021

Details

Description of the Centre/Institute:

TRIUMF is Canada's particle accelerator laboratory. It is staffed by dedicated people who can provide the scientific, engineering, and administrative support necessary to meet the challenges of its broad experimental program.

TRIUMF is one of the world's leading subatomic physics laboratories. It brings together dedicated physicists and interdisciplinary talent, sophisticated technical resources, and commercial partners in a way that has established the laboratory as a global model of success. Its large user community is composed of international teams of scientists, post-doctoral fellows, and graduate and undergraduate students. The advances ensuing from TRIUMF's research will enhance the health and quality of life of millions of Canadians, launch new high-tech companies, create new high specificity drugs, help us to understand the environment, enable the development of new materials, and spur the imaginations of our children who want to know their place in the universe.

The Centre/Institute's membership and organization structure:

TRIUMF is owned and operated as a joint venture by a consortium of universities. The joint venture agreement constitutes a Board of Management to oversee TRIUMF. The TRIUMF Board of Management is made up of membership from the Member and Joint Member Universities. It is responsible for the operation, supervision and control of TRIUMF. The duties of the Board include policy-making, determination of the budget, and fund raising.

The Board meets two times per year. It maintains several standing committees for detailed monitoring of TRIUMF.

Safety & Security
Finance
Personnel & Administration
Governance
Audit

Joint Venture Members:**Full Members:**

University of Alberta
University of British Columbia
University of Calgary
Carleton University
McMaster University
University of Guelph
University of Manitoba
Université de Montréal
Queen's University
University of Regina
Simon Fraser University
University of Toronto
University of Victoria
York University

Associate Members:

McGill University
University of Northern British Columbia
Saint Mary's University
Université de Sherbrooke
Western University
University of Winnipeg

Most significant accomplishments:

Please refer to the TRIUMF 5-Year Plan website at the URL below that lists TRIUMF's accomplishments.
<https://fiveyearplan.triumf.ca/teams-tools-track-record/>

Notable media successes

In FY2018, TRIUMF continued to leverage its program of laboratory activities and scientific achievements to bring increased attention to its world-leading science and the community that drives it. Notable successes include:

As part of TRIUMF's 50th anniversary celebration, the lab welcomed the Right Honourable Justin Trudeau, Prime Minister of Canada for a special tour, a meet-and-greet with the lab community, and the announcement of funding for TRIUMF's Institute for Advanced Medical Isotopes (IAMIs). The event was covered widely by Canadian national media in print, digital, and video.

Notable TRIUMF science endeavours throughout the year also generated media coverage and reached audiences numbering in the millions. Highlights include TRIUMF's collaborations with CERN on upgrades to the Large Hadron Collider and the ALPHA antimatter experiment, and the lab's progress on developing a ground-breaking cancer treatment that relies on TRIUMF-produced radioisotopes (which was also the topic of an independent documentary short submitted to the TELUS Storyhive documentary competition).

For a full list of TRIUMF stories, please see <https://www.triumf.ca/stories>

Events, workshops, public outreach events:

In FY2018, TRIUMF delivered a suite of programming aimed at engaging members of its local, national, and global communities. These activities included special anniversary events and programs held across the country in celebration of the lab's 50th birthday:

Continued the lab's 40-year tradition of welcoming the public for weekly and by-request scientist-led lab tours; TRIUMF welcomed thousands of visitors in FY2018, including hundreds of B.C. high school science students.

Revamped the lab's Unveiling the Universe science lectures, including two talks at Vancouver's TELUS World of Science and the development of a lecture circuit to bring these talks to audiences across the country.

Hosted several iterations of the #discoverTHIS series, events that bring together scientists and community leaders for panel discussions on a variety of topics, including an event at the Canadian Science and Technology Museum in Ottawa.

Participated in a variety of Vancouver community festivals, school visits, and science-based events (including science talks at local community centres, retirement homes, and other venues).

Hosted the lab's annual Science Week, which invites the public to learn more about TRIUMF science through talks, symposia, and other community engagement events.

Drove a wide variety of TRIUMF arts and culture programming, including:

Hosted the TRIUMF iteration of the Global Physics Photowalk. An image from this event took 3rd place in the global competition.

Held a Midsummer Celebration for the lab and its neighbours in nearby Wesbrook Village

Initiated a beer collaboration with a Vancouver craft brewery and a #discoverTHIS panel Q+A to explore the topics of brewing and science.

Additional documents:

[SFU Report - TRIUMF description 1.pdf](#)

Membership Form**Financial Summary****Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

CFI funding to SFU for projects at TRIUMF & NSERC funding for projects at TRIUMF but no funds directly to SFU.

TRIUMF supports 50 % funding for 3 joint appointments at SFU.

Confirm policy review

Yes

Submitted by:

Jim Hanlon

Director's Comments:

We expect to meet all obligations identified in our NRC Contribution Agreement for 2015-2020 and are now working on the next 5-year plan 2020-2025. We look forward to a continued strong relationship with SFU.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

Briefly describe your centre/institute's membership and organization structure

TRIUMF is owned and operated as a joint venture by a consortium of universities. The joint venture agreement constitutes a B membership from the Member and Joint Member Universities. It is responsible for the operation, supervision and control of T fund raising.

The Board meets two times per year. It maintains several standing committees for detailed monitoring of TRIUMF.

Safety & Security

Finance

Personnel & Administration

Governance

Audit

Joint Venture Members:

Full Members:

University of Alberta

University of British Columbia

University of Calgary

Carleton University

McMaster University

University of Guelph

University of Manitoba

Université de Montréal

Queen's University

University of Regina

Simon Fraser University

University of Toronto

University of Victoria

York University

Associate Members:

McGill University

University of Northern British Columbia

Saint Mary's University

Université de Sherbrooke

Western University

University of Winnipeg

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Vancouver Institute for Visual Analytics (VIVA)	Website:	http://viva.sfu.ca
Director:	Bartram, Lyn	Faculty:	Applied Sciences
Director's Term End	8/31/2018	Renewal Date	4/1/2020

Details

Description of the Centre/Institute:

The Institute serves as a part of KEY, the Big Data Initiative.

VIVA has three core mandates:

1. to scale up and support research currently being conducted in Visual Analytics (VA) in the Vancouver area, primarily (but not exclusively) at Simon Fraser University (SFU). The context of the research is the set of real world problems encountered by industry and governmental organizations.
2. To establish a VA "research networking" infrastructure that will establish Vancouver as the locus of visualization and analytics research, expertise and educational programming for all of Canada.
3. To aid in building a capacity to train VA human resources at all levels, whether the trainees are university students or company employees, in an environment that includes a wide range of VA tools along with access to the best practices in the field.

In service of these goals, VIVA:

1. actively consults with and supports research that benefits from the development and use of visual analytics at SFU and externally;
2. brings together researchers from across and beyond the university to collaboratively develop joint research and initiatives in VA;
3. develops and delivers training both to the SFU academic community and to external clients.

The Centre/Institute's membership and organization structure:

The Centre has a Director; a steering committee comprising academics from multiple disciplines in SFU who use visual analytics; and external advisors.

Director: Dr. Lyn Bartram, SIAT

SC:

Dr. Martin Andresen, Criminology

Dr. Brian Fisher, SIAT

Dr. Fred Popowich, CS/KEY

Dr. Wolfgang Stuerzlinger, SIAT

Andy Yan, Director, SFU City Program

Allison Moore/Rebecca Dowson, SFU Library/Digital Humanities Lab

Dr. Nick Hedley, Geography

External advisors:

Dr. Andrew Csinger, MineSense Inc/UBC

Dr. David Kasik, Boeing (Emeritus)

Dr. David Darvill, CANVAC

Dr. John Dill (SFU Emeritus)

Dr. Victoria Lee, Fraser Health Directo

Most significant accomplishments:

1. VIVA support in visual analytics has been a critical part of several SFU research initiatives:
 - A proposal for an NSERC CREATE grant has been submitted in Visual Analytics training, led by Dr. Bartram, involving both VIVA committee members and researchers from SIAT, Computing Science, Business, Geography, and Mathematics;
 - we aided FASS in developing a comprehensive visualization system for exploring and communicating the scope of research in the Arts and Social Sciences. As part of this work, we developed both applications of existing tools, training FASS in their use, and custom software. This work is ongoing and extending in scope.
 - worked with Dr. Miriam Rosin to explore new insights in her Oral Cancer Prevention Project (recently presented in Stockholm);
 - collaborate on new research with the Avalanche research group in REM (published with VIVA co-author at International Snow Science Conference, 2018; presented to the Avalanche Canada annual conference, 2019). Current co-publications are in progress.
 - multiple smaller projects with SFU researchers and students applying VA to their research challenges.
2. VIVA and Dr. Bartram are active with CS professor Dr. Sheelagh Carpendale in a new initiative to bring together VA researchers across the country. This was realized in a nationwide Canada Vis workshop in Spring 2019 that brought together researchers from across the country with external collaborators from government (at all three levels), and finance, health, media and technology sectors. the workshop was funded by NSERC and co-sponsored by VIVA.
 - VIVA is actively involved through Drs. Bartram, Popowich and Darvill in CANVAC, the national non-profit university consortium for Visual Analytics;Dr. Bartram now sits on the advisory board of the Community Data Science certificate program in SFU Lifelong Learning.
3. Training: VIVA has delivered several courses of various lengths to the SFU Community through both the Library Research Commons and KEY. In addition, we continue to design and deliver external courses:
 - a fullterm course to the UBC Professional Masters' Program in Engineering Leadership (Spring 2018) ;
 - a half day course for Coastal Health (Fall 2018);
 - two full-day courses for the BC Provincial Government; and
 - a two-day course to be delivered in Summer 2018 to the national dealer network of Finning.

Events, workshops, public outreach events:

VIVA researchers are engaged with stakeholders in Surrey around the opioid crisis (Surrey Fire DEpt, RCMP, Fraser Health).

With the SFU City program, VIVA is planning a Community Data workshop in Fall 2018.

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

Yes

Financial Contributions from the University

1.5 RA-level positions
1 course buyout for Director

List of major equipment provided by the University

To date VIVA has supplied its own equipment. This will need to change.

University Personnel

None (we work as part of the BD initiative)

Space provided by the University

1 office in Burnaby Big Data Hub We really also need Surrey space.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

NSERC CONNECT Workshop: 25000

Coastal Health: 5000 (training)

UBC - APPP 505 Course 25,000.00 (training)

BC Government 18,000 (training)

Avalanche Canada 3000.00 (consulting, via Dr. Pascal Haegeli, REM IRC)

Confirm policy review

Yes

Submitted by:

Lyn Bartram

Director's Comments:

The financial information is not completely correct nor will it jive with our account information as we have billed most of our training through the BD centre, which means that there is both university and BD overhead to pay, reducing our income. Financial reports will be clarified upon my updated information from the BD business development analysts.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Western Canadian Universities Marine Sciences Society (Bamfield)

Website: www.bamfieldmsc.com

Director: Rogers, Sean

Faculty:

Director's Term End

Renewal Date 4/1/2021

Details

Description of the Centre/Institute:

BMSC offers opportunities for life-changing exploration and discovery in coast and marine environments. Situated in the town of Bamfield, within the traditional territory of Huu-ay-aht First Nations in Barkley Sound, and adjacent the Pacific Rim National Park Reserve, BMSC offers unparalleled access to a wide array of environments – including unique coastal, marine and rainforest habitats and exceptional species diversity for research and education. WCUMSS has a mandate to provide world-class research infrastructure for marine and coastal scientists. We offer over 35 senior undergraduate/graduate courses and programs in marine and coastal sciences, including additional courses in place-based learning in First Nations territories, Ethnobotany, Science Communication, Coastal Archaeology and Literature. We provide high impact training and leadership opportunities for graduate students and post-doctoral fellows in all aspects of marine and coastal research. We offer in-residence programs in marine biology and general science to schools, colleges, First Nations and other public groups, with over 4000 K-12 students from BC and Alberta participating in an immersive multi-day field trip at BMSC annually.

The Centre/Institute's membership and organization structure:

BMSC was established in 1972 by the not-for-profit Western Canadian Universities Marine Sciences Society (WCUMSS) to provide a permanent base for marine and coastal-oriented field operations on the west coast of Canada. WCUMSS is co-owned by five Western Universities (SFU, UBC, UofC, UVic and UofA), with two members from each university (SFU = Dean Kench and Elizabeth Elle) on WCUMSS Management Council, along with a President (Jon Driver) and Treasurer (Martin Pochurko). The internal organization of BMSC was changed in 2018 by creating four major units (Research, Education, Operations, and Finance/Admin), each reporting to the Director. Two unit heads (Operations Manager/Deputy Director and Associate Director, Education) are recent hires, and two have seen their positions changed. The Director is no longer required to live at the BMSC campus. Following an open search in 2018, I was appointed by WCUMSS as Director. My roles and responsibilities to Bamfield have been revised (0.5FTE) and I remain at my home university. I have managed this potentially difficult transition for staff in the past year, mentoring two new Unit Heads (one of whom has also been mentored as Deputy Director) and encouraging the two long-term managers to take on more responsibility. As a result, BMSC now operates smoothly, staff morale has improved, and I have been able to create more opportunities for BMSC (grant applications, etc. - see Director's report, attached)

Most significant accomplishments:

1. Completion of SIF project on time and on budget
2. Renewal of NSERC Promoscience Funding for our Field Trips Program
3. Completion of Strategic Planning Exercise
4. Recovery of Canadian Council for Animal Care certification
5. Reorganization of structure to increase sustainability of operations and create more opportunities for BMSC

Notable media successes

We continue to produce high-impact research, including over 40 peer-reviewed articles, including 5 led by undergraduate researchers. Thompson et al. (2018) was featured on CBC's Quirks and Quarks and covered extensively on international media.

Events, workshops, public outreach events:

1. Partnership with Huu-ay-aht First Nations on the construction of a Wastewater Treatment Plant at the BMSC
2. Host of "Music by the Sea" (musicbythesea.ca)

Additional documents:

[Directors Report 2019.pdf](#) (attachment below)

Membership Form**Financial Summary****Does your institute receive direct financial support from the University?**

Yes

Financial Report:

[1\) 2019 Grant Thornton - Draft Audited Financial Statements - Revised \(Note 5\).pdf](#) (attachment below)

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

Yes

External funding details

NSERC Promoscience (\$381 000)

Confirm policy review

Yes

Submitted by:

Sean M. Rogers

Director's Comments:

We appreciate the tremendous support from SFU and look forward to creating more opportunities for research and education at the BMSC in 2019.

VPR's section**Reviewed by:**

Dugan O'Neil

Comments:

Director's Report

Prepared by: Sean Rogers (Director)

Summary:

It has been a year of incredible changes and opportunity at the BMSC. Being located within the traditional territories of the Huu-ay-aht First Nations in Barkley Sound, and adjacent the Pacific Rim National Park Reserve, BMSC continues to offer unparalleled access to spectacular diversity and cultural heritage in both marine and rainforest habitats for research and education. This year stands out as it marked a significant shift in our culture with the implementation of a new organizational structure that included the recruitment of two new positions (Les Jmaeff, Deputy Director/Operations Manager and Dr. Chris Neufeld, Associate Director of Education). These positions, along with other organizational changes, created new opportunities for the Director to embark on external opportunities critical to the BMSC's mission. Indeed, staff and stakeholders emphasized a strong case for action on the importance of strategic planning for BMSC. Following extensive feedback from the staff, our vision of *"life-changing exploration and discovery"* in coastal and marine habitats has already contributed to our developing mission. We are poised to formally launch this strategic plan in the Fall of 2019, but the reality is that we are already launched. Partnerships continue to be our catalyst for success. New researchers are embarking on long-term research programs at the BMSC and we are supporting several efforts for national grants that would transform the BMSC into a hub of international research partnerships, many with First Nations. This summer, we will lead a national symposium on "Field Stations as Sentinels for Environmental Change" with other field stations across Canada. These initiatives will place BMSC and its researchers, students and members at the forefront of global leadership in coastal and marine sciences by supporting world-class research while continuing to lead as a paragon for life-changing experiential learning. .

Highlights:

Organization/Human Resources

- Worked with the leadership team to establish roles and responsibilities under the new organizational structure
- Successfully negotiated a three-year deal with our CUPE 401 members, following three days of bargaining (July 2018)
- Strategic Planning - working with the leadership team in consultation with staff and stakeholders, established BMSC's desired strategic direction for the next 5 years and the measurements and strategic goals needed to achieve it.
- Successfully earned reinstatement of BMSC's *Good Animal Practice Certification* from the Canadian Council for Animal Care through completion of renovations and

Director's Report

Prepared by: Sean Rogers (Director)

establishing guidelines and administrative processes that render animal care processes at arm's length from the Director.

- Developed updated agreements for leases on BMSC Property (Nova Harvest, Parks Canada, Community Wireless) to establish consistent standards, increase revenue and foster additional opportunities for partnership.
- Compiled feedback from professional staff for the penultimate version of the Working Conditions Handbook (WCH). Engaged HR consultant who is reviewing for employment standards before implementation.
- Successfully implemented personal leave and succession plans for several key roles at the BMSC, including Animal Care Coordinator, Foreshore Supervisor, Foreshore Skipper, and Librarian.
- Worked with staff and leadership team on understanding and developing our budget plan for the next fiscal year and beyond.

Partnerships

- Worked extensively with Huu-ay-aht First Nations on several grant applications and infrastructure projects (Wastewater Treatment), establishing a better understanding of their Nation's priorities for economic growth, community development and environmental sustainability. Provided letters of support for several of their grants that is contributing to new opportunities with our partnership.
- Supported Ocean Networks Canada (ONC) in several grant initiatives.
- Worked with staff to develop a one-pager "by the numbers" document for external meetings
- Worked with OceanWise President John Nightingale to develop research and education partnership initiatives
- Served on the Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grants panel in Ottawa
- Met with the NSERC Program Officers, including Promoscience and the former Major Resource Support program.
- Met with Dr. Janet King, Associate Deputy Minister of Public Services and Procurement Canada (responsible for Science Infrastructure) – discussed emerging grants and programs to support science infrastructure in Canada in the context of Field Stations.
- Met with Dr. Arran MacPherson (Assistant Deputy Minister of Ecosystems and Ocean Science for DFO and Co-Chair of the Ocean Research Canadian Alliance – ORCA) –

Director's Report

Prepared by: Sean Rogers (Director)

discussed development of a new scholarship tied to the United Nations Decade of Oceans

- Visited the Institute of Ocean Sciences in West Saanich to meet with Dr. Carmen Lowe, Regional Director of Science, DFO to discuss partnerships w/BMSC and support for our grants. Currently in discussions for DFO housing agreement at the BMSC.
- Submitted a proposal accepted by the Canadian Society for Ecology and Evolution to hold a symposium on "*Field Stations as a Sentinel for Environmental Change*" (co-chaired by Chris). Met with several Canadian Field Station Directors towards developing lobbying strategy
- Visited the University of Alberta to meet with Frank Marsiglio (Dean of Science), Dr. Declan Ali (Associate Dean, Research), Sam Pearson (Assistant Dean, Advancement and Fund Development), and Dr. Michael Caldwell (Chair, Biological Sciences and BMSC Management Council)

Fund Development

- Collaborated with Leitha Cosentino (Director of Fund Development, Faculty of Science) at the University of Calgary to establish working documents for donor prospects. Have initiated several discussions with prospects.
- Worked with the Manager of Donations for the Vancouver Foundation on our Endowments. Based on our draft strategic plan and work on fund development over the last year – they have selected BMSC to one of the few charities to be profiled in their upcoming Year in Review (significant exposure in Vancouver/Lower Mainland)
- Amended terms for a dormant Bursary Fund held by Leona Peter at the Vancouver Foundation to include undergraduate research at the BMSC. Awarded five bursaries in December 2018.
- Connected with the Weston Foundation and Wendy Rebanks to discuss their fund (held at VF) that provides bursaries to bring underfunded school groups to BMSC. Developed a contribution requested as one of 20 preferred organizations as part of their "60 years of philanthropy" book being published in 2019.
- Created and developed a BMSC site with CanadaHelps.Org – this is the most popular and reliable method for donating and fundraising online.

Grants

- Awarded largest NSERC Promoscience grant in BMSC history and one of the top Promoscience grants in Canada

Director's Report

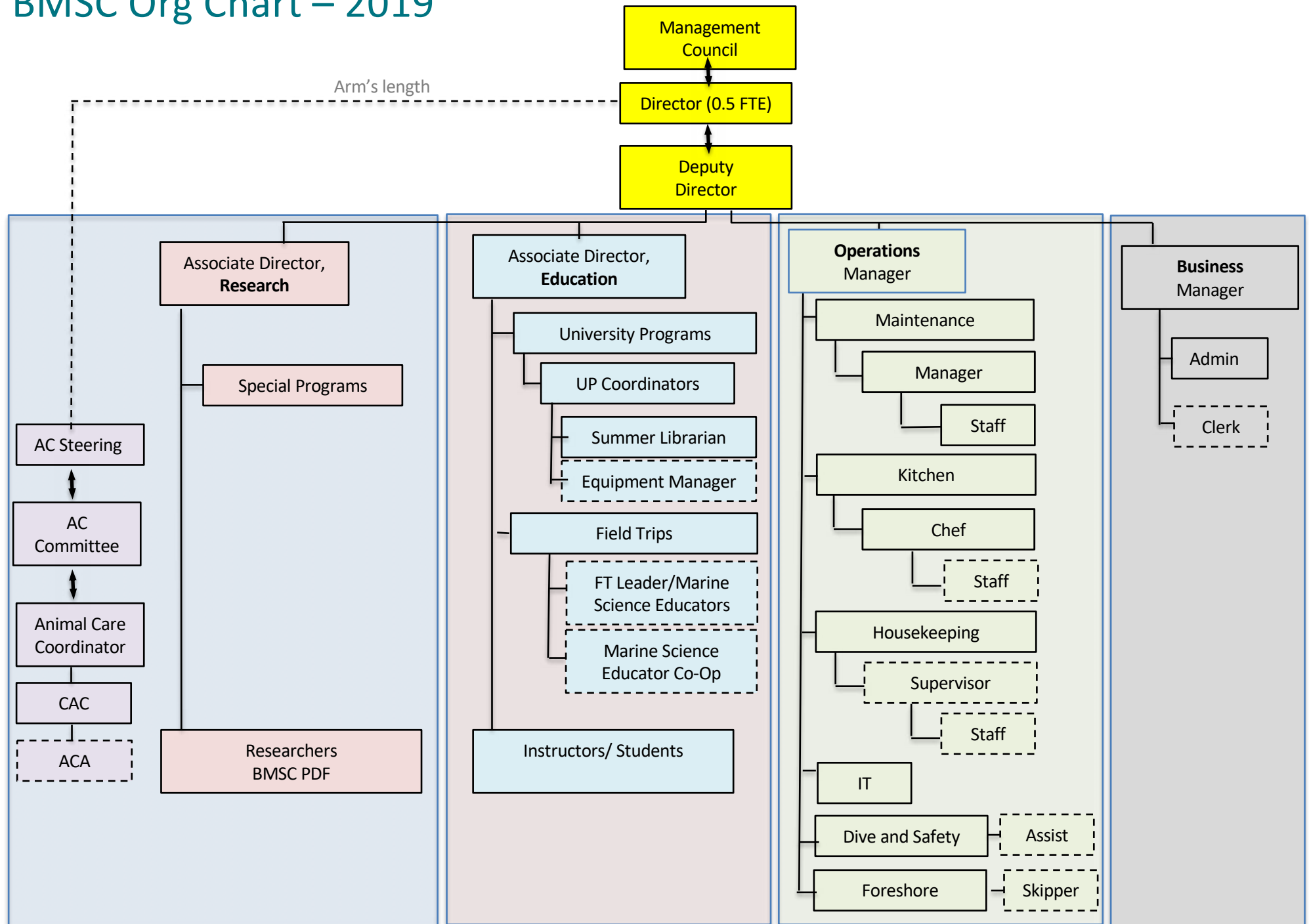
Prepared by: Sean Rogers (Director)

- Submitted a “systems change” grant to Vancouver Foundation for Field Trip bursaries (unsuccessful, but the reviews will be useful for resubmission)
- Submitted four NOIs as Lead PI of a multi-institutional proposal (\$8.7M) for Canada the Foundation for Innovation (CFI): 2020 Innovations Fund on “*Solutions to Increase Environmental Sustainability in Ocean and Coastal Environments at the Bamfield Marine Sciences Centre*”. The project will address a critical research gaps identified by the UN’s Decade of Oceans 2021-2030 and includes equipment and renovations for improved ocean access, aquatic facilities, convening spaces and field camp support (accommodations).
- Submitted a Large Scale Applied Research Genome Canada Grant on Pacific Salmon research, “Application, Developing, Democratizing, and Applying Genomic Tools towards Securing Sustainable Pacific Salmon Production Systems” with co-lead Dr. Jon Moore (SFU). The total project is \$9.2M. The proposal (276 pages) includes ~50 letters of support representing partnerships and collaborations among 34 organizations, including 18 First Nations that would turn BMSC into a hub for Pacific Salmon Research. On May 23rd, we made it to the final step and were interviewed by an international panel in Calgary.
- BMSC-Based Research Grants :
 - Rogers, S.M. 2018-2020. NSERC Strategic Partnership Grants. Environmental and genomic consequences of alternative hatchery rearing practices on Pacific Coho Salmon survival and enhancement. \$503,000.
 - Rogers, S.M. and Higham, T. 2018-2021. NSF EAGER. Genetic Architecture of Biomechanics in Threespine Stickleback. \$400,000 USD.
 - Schluter, D. & Rogers, S.M. 2018. Genome BC. Collaborator with Dr. Dolph Schluter, UBC. Atlas of genomic variation for climate change in Chinook Salmon. \$245,000

Goals for the upcoming year:

- My vision for the next five years is to inspire and support exploration and discovery that sustains a vibrant coastal ecological community and increases BMSC's visibility as one of the best recognized field research and training facilities in the world.
- Expand support to staff towards development of successful individual strategic plans
- Build sustainable and fully funded operations
- Develop partnerships and aggressively pursue alternative sources of funding
- Foster trust, transparency, and effective communication with staff.

BMSC Org Chart – 2019



Financial Statements

Western Canadian Universities Marine Sciences Society

March 31, 2019

DRAFT

Contents

	Page
Independent Auditors' Report	1-2
Statement of Financial Position	3
Statement of Revenue and Expenses	4
Statement of Changes in Fund Balances	5
Statement of Cash Flows	6
Notes to the Financial Statements	7-13
Schedule of Revenue and Other Fund Additions	14

Independent Auditors' Report

Grant Thornton LLP
Suite 650
1675 Douglas Street
Victoria, BC
V8W 2G5
T +1 250 383 4191
F +1 250 381 4623

To the members of the Western Canadian Universities Marine Sciences Society

Opinion

We have audited the financial statements of the Western Canadian Universities Marine Sciences Society ("the Society"), which comprise the statement of financial position as at March 31, 2019, and the statements of operations, change in net debt and cash flow for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Western Canadian Universities Marine Sciences Society as at March 31, 2019, and its results of operations, its changes in its net debt, and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Entity in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing, as applicable, matters related to a going concern and using the going concern basis of accounting unless management either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Entity's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Victoria, Canada
June 8, 2018



Chartered Professional Accountants

Western Canadian Universities Marine Sciences Society

Statement of Financial Position

	<u>Fund</u>	<u>Funds</u>	<u>Asset Fund</u>	<u>Total</u>	<u>Total</u>
Assets					
Cash and cash equivalents	\$ 24,641	\$ -	\$ -	\$ 24,641	\$ 2,543
Receivables	425,152	-	-	425,152	273,041
Sales tax receivable	29,409	-	-	29,409	72,557
Inventory	22,103	-	-	22,103	52,258
Prepays	25,710	-	-	25,710	63,049
Due from the University of Victoria (Note 3)	187,491	-	-	187,491	849,390
	<u>714,506</u>	<u>-</u>	<u>-</u>	<u>714,506</u>	<u>1,312,838</u>
Interfund	(372,184)	372,184	-	-	-
Capital assets (Note 4)	<u>-</u>	<u>-</u>	<u>7,402,438</u>	<u>7,402,438</u>	<u>7,412,182</u>
	<u>\$ 342,322</u>	<u>\$ 372,184</u>	<u>\$ 7,402,438</u>	<u>\$ 8,116,944</u>	<u>\$ 8,725,020</u>
Liabilities					
Payables and accruals	\$ 164,940	\$ -	\$ 1,699	\$ 166,639	\$ 230,988
Accrued wages and vacation pay	152,714	-	-	152,714	131,036
Deferred revenue	115,275	-	-	115,275	102,878
Demand loans (Note 5)	-	-	1,062,223	1,062,223	1,139,801
	<u>432,929</u>	<u>-</u>	<u>1,063,922</u>	<u>1,496,851</u>	<u>1,604,703</u>
Fund balances					
General	(90,607)	-	-	(90,607)	169,596
Invested in capital assets (Note 6)	-	-	6,338,516	6,338,516	6,553,132
Externally restricted	<u>-</u>	<u>372,184</u>	<u>-</u>	<u>372,184</u>	<u>397,589</u>
	<u>(90,607)</u>	<u>372,184</u>	<u>6,338,516</u>	<u>6,620,093</u>	<u>7,120,317</u>
	<u>\$ 342,322</u>	<u>\$ 372,184</u>	<u>\$ 7,402,438</u>	<u>\$ 8,116,944</u>	<u>\$ 8,725,020</u>

On behalf of the Board _____ Director _____ Director

See accompanying notes to the financial statements.

Western Canadian Universities Marine Sciences Society

Statement of Revenue and Expenses

Year ended March 31

	General Fund		Restricted Funds		Capital Asset Fund		Total	
	2019	2018	2019	2018	2019	2018	2019	2018
Revenue and other fund additions (Page 14)	\$ 3,531,272	\$ 3,519,288	\$ 205,869	\$ 490,975	\$ 409,999	\$ 1,422,685	\$ 4,147,140	\$ 5,432,948
Expenses								
Amortization	-	-	-	-	646,906	510,357	646,906	510,357
Computing	15,621	12,418	300	2,022	-	-	15,921	14,440
Equipment expense	64,368	44,090	1,781	14,641	-	-	66,149	58,731
Food	238,767	266,691	-	-	-	-	238,767	266,691
Insurance	174,915	158,358	-	-	-	-	174,915	158,358
Interest on demand loans (Note 5)	3,828	-	-	-	37,457	40,040	41,285	40,040
Legal	13,523	33,933	-	-	12,962	-	26,485	33,933
Professional fees	87,552	58,487	4,790	11,848	5,935	34,568	98,277	104,903
Salaries, benefits and WCB	2,131,543	1,859,879	177,279	291,659	-	-	2,308,822	2,151,538
Scholarships and bursaries (Note 8)	3,000	4,000	37,273	58,056	-	-	40,273	62,056
Sundry	345,078	414,364	1,157	8,831	179	751	346,414	423,946
Supplies, books and library	292,819	240,817	7,160	22,118	-	-	299,979	262,935
Travel, promotion and meetings	56,927	44,271	1,534	2,610	-	1,888	58,461	48,769
Utilities and fuel	285,160	310,843	-	-	-	-	285,160	310,843
	<u>3,713,101</u>	<u>3,448,151</u>	<u>231,274</u>	<u>411,785</u>	<u>703,439</u>	<u>587,604</u>	<u>4,647,814</u>	<u>4,447,540</u>
Excess of revenue over expenses before other item	(181,829)	71,137	(25,405)	79,190	(293,440)	835,081	(500,674)	985,408
Gain on disposal of capital asset	-	-	-	-	450	-	450	-
Excess of revenue over expenses	<u>\$ (181,829)</u>	<u>\$ 71,137</u>	<u>\$ (25,405)</u>	<u>\$ 79,190</u>	<u>\$ (292,990)</u>	<u>\$ 835,081</u>	<u>\$ (500,224)</u>	<u>\$ 985,408</u>

See accompanying notes to the financial statements.

Western Canadian Universities Marine Sciences Society

Statement of Changes in Fund Balances

Year ended March 31

	General Fund		Restricted Funds		Capital Asset Fund		Total	
	<u>2019</u>	<u>2018</u>	<u>2019</u>	<u>2018</u>	<u>2019</u>	<u>2018</u>	<u>2019</u>	<u>2018</u>
Fund balances, beginning of year	169,596	37,866	397,589	1,453,021	6,553,132	4,644,022	7,120,317	6,134,909
Excess of revenue over expenses	(181,829)	71,137	(25,405)	79,190	(292,990)	835,081	(500,224)	985,408
Interfund transfers	(78,374)	60,593	-	(1,134,622)	78,374	1,074,029	-	-
Fund balances, end of year	\$ (90,607)	\$ 169,596	\$ 372,184	\$ 397,589	\$ 6,338,516	\$ 6,553,132	\$ 6,620,093	\$ 7,120,317

See accompanying notes to the financial statements.

Western Canadian Universities Marine Sciences Society

Statement of Cash Flows

Year Ended March 31

2019

2018

Increase (decrease) in cash and cash equivalents

Operating

Excess of revenue over expenses	\$ (500,224)	\$ 985,408
Amortization of capital assets	646,906	510,357
Net change in non-cash working capital (Note 9)	(71,743)	(289,516)
Gain on disposal of capital asset	(450)	-
	<u>74,489</u>	<u>1,206,249</u>

Financing

Repayments of demand loans	<u>(77,578)</u>	<u>(74,995)</u>

Investing

Purchase of capital assets	(639,810)	(2,063,721)
Proceeds upon disposal of capital asset	<u>3,098</u>	<u>-</u>
	<u>(636,712)</u>	<u>(2,063,721)</u>

Net (decrease) increase in cash and cash equivalents (639,801) (932,467)

Cash and cash equivalents, beginning of year 851,933 1,784,400

Cash and cash equivalents, end of year \$ 212,132 \$ 851,933

Cash and cash equivalents consist of:

Cash and cash equivalents	\$ 24,641	\$ 2,543
Due from the University of Victoria	<u>187,491</u>	<u>849,390</u>
	<u>\$ 212,132</u>	<u>\$ 851,933</u>

See accompanying notes to the financial statements.

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

1. Purpose of the Society

The Western Canadian Universities Marine Sciences Society (the "Society"), located in Bamfield, British Columbia, provides research infrastructure in the marine sciences for member universities and the world-wide scientific community. It provides under-graduate and graduate training in the marine sciences as well as public education programming to promote conservation, stewardship and general knowledge of the West Coast of Canada.

The Society is incorporated under the Society Act of British Columbia. As a registered charity under the Income Tax Act, it is exempt from income taxes and able to issue donation receipts for income tax purposes.

2. Summary of significant accounting policies

Basis of presentation

The Society's financial statements are prepared in accordance with Canadian public sector accounting standards in the *CICA Public Sector Accounting Handbook*. The Society has elected to apply the accounting standard recommendations applicable to government not-for-profit organizations in Section PS 4200 to PS 4270 of the *CICA Public Sector Accounting Handbook*.

Fund accounting

Western Canadian Universities Marine Sciences Society follows the restricted fund method of accounting for contributions.

The General Fund accounts for the Society's operational and administrative activities. This fund reports unrestricted resources.

The Restricted Funds includes an endowment fund and other special purpose funds. The endowment fund reports contributions from external donors, held in perpetuity at their request, which are periodically transferred to the Vancouver Foundation (Note 8). Investment income earned on endowments is to be used for scholarships and bursaries. The other special purpose funds report the revenue and expenses of funds restricted to use as designated by the agency providing the funds.

The Capital Asset Fund reports the assets, liabilities, revenues and expenses related to the Society's capital assets.

Interfund transfers as stated in the statement of changes in fund balances represents funding from the General Fund transferred to the Capital Asset Fund to fund debt servicing and capital acquisitions.

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

2. Summary of significant accounting policies (continued)

Revenue recognition

Operating grant revenue is recognized in the period for which the grant is awarded. Accordingly, operating grant revenue awarded for periods subsequent to the current year is deferred to the next fiscal year.

Restricted contributions related to general operations are recognized as revenue of the General Fund in the year in which the related expenses are incurred. All other restricted contributions are recognized as revenue of the appropriate restricted fund when received.

Unrestricted contributions are recognized as revenue of the General Fund in the year received or receivable if the amount to be received can be reasonably estimated and collection is reasonably assured.

Revenue from food, housing, scientific and other fees for service income is recognized as services are rendered. Amounts received from customers in advance of services being rendered are classified as deferred revenue on the statement of financial position.

Cash and cash equivalents

Cash and cash equivalents include balances with banks and funds held in accounts maintained by the University of Victoria for and on behalf of the Society.

Inventory

Inventory consists of supplies and products held for sale which are valued at the lower of cost and net realizable value.

Amortization

Rates and bases of amortization applied to write-off the cost less estimated salvage value of capital assets over their estimated useful lives are as follows:

Buildings	4%, declining balance
Furniture, vehicle and equipment	20%, declining balance
Website	5 years, straight-line

When capital assets are purchased by member Universities and loaned to the Society, those assets are considered to be property of the individual member and not recorded by the Society.

Long-lived assets

The Society regularly reviews the carrying value of long-lived assets and continually makes estimates regarding future cash flows and other factors to determine the fair value of the respective assets. If these estimates or their related assumptions change in the future, the Society may be required to record impairment charges for these assets.

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

2. Summary of significant accounting policies (continued)

Sick-day allowance

Long-term obligations resulting from employees' accumulated sick days are measured using management's best estimates. The resulting liabilities and corresponding expenses are recognized on the vesting basis of these benefits, that is, on the basis of sick days accumulated and used by employees.

Use of estimates

In preparing the Society's financial statements, management is required to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements and reported amounts of revenue and expenses during the period. Actual results could differ from these estimates.

Financial instruments

The Society's financial instruments consist of cash and cash equivalents, receivables, amounts due to/from the University of Victoria, payables and accruals, and demand loans and are recorded at fair value on recognition and are subsequently recorded at cost or amortized cost. The Society is exposed to interest rate risk, credit risk and liquidity risk as outlined in Note 10.

3. Due from the University of Victoria and other member universities

The amounts due from the University of Victoria, a member of the Society, represent the excess or deficiency of funds held in accounts maintained by the University of Victoria for and on behalf of the Society. In 2019, the interest received from the University was \$10,187 (2018: \$31,544).

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

4. Capital assets			2019	2018
	Cost	Accumulated amortization	Net book value	Net book value
Land, original site	\$ 85,000	\$ -	\$ 85,000	\$ 85,000
Land, teleglobe	34,000	-	34,000	34,000
Buildings*	9,015,237	3,699,136	5,316,101	5,214,070
Furniture, vehicle and equipment	5,336,202	3,443,152	1,893,050	1,663,586
Equipment, under construction	70,320	-	70,320	268,140
Buildings, under construction	-	-	-	139,451
Website	19,839	15,872	3,967	7,935
	<u>\$ 14,560,598</u>	<u>\$ 7,158,160</u>	<u>\$ 7,402,438</u>	<u>\$ 7,412,182</u>

* Buildings include cottages, residences, laboratories, dining convention hall and wharves.

5. Demand loans	2019	2018
Demand loan from Royal Bank of Canada, repayable at \$9,586 per month including interest at 3.39%, due April 22, 2020	<u>\$ 1,062,223</u>	<u>\$ 1,139,801</u>

The Society has provided the following security to the Royal Bank of Canada:

- first general security agreement covering a first ranking security interest in all personal property and a first floating charge on all present and after-acquired real property; and
- collateral mortgage in the amount of \$2,450,000 covering a first fixed charge on approximately 175 acres of waterfront and improvements in Bamfield, British Columbia.

All loans are presented as current due to their demand feature. However, principal repayments under the loan agreements are calculated on a long-term basis. Principal repayments based on the current agreements over the next three years are due as follows:

2020	80,298
2021	<u>981,925</u>
	<u>\$ 1,062,223</u>

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

6. Members' equity in site

Members' equity in site corresponds to the amount invested in capital assets.

	<u>2019</u>	<u>2018</u>
Simon Fraser University	\$ 1,267,704	\$ 1,241,422
University of Alberta	1,267,703	1,241,421
University of British Columbia	1,267,703	1,241,421
University of Calgary	1,267,703	1,241,421
University of Victoria	1,267,703	1,241,421
	<u>\$ 6,338,516</u>	<u>\$ 6,207,106</u>
Balance, beginning of year	\$ 6,207,106	\$ 4,644,022
Amounts capitalized	639,810	2,063,721
Amounts disposed	(2,648)	-
Increase in short term debt	63,576	(65,275)
Decrease in long term debt	77,578	74,995
Amortization	<u>(646,906)</u>	<u>(510,357)</u>
Balance, end of year	<u>\$ 6,338,516</u>	<u>\$ 6,207,106</u>

7. Related party transactions

The related parties of the Society are the five founding member universities: Simon Fraser University, University of Alberta, University of British Columbia, University of Calgary and University of Victoria. Transactions with the member universities and their related entities that are in the normal course of operations are recorded at the exchange amount.

In addition to the amount reported on the Statement of Financial Position as due from the University of Victoria and amounts recorded for contributions from universities on the Schedule of Revenue and Expenses under revenue and other fund additions, the Society recognized revenues from the member universities and affiliated researchers for use of the station's research, conference, and room and board facilities as follows:

	<u>2019</u>	<u>2018</u>
Simon Fraser University	\$ 18,048	\$ 12,547
University of Alberta	15,557	16,104
University of British Columbia	58,574	51,075
University of Calgary	764	2,352
University of Victoria	<u>9,044</u>	<u>23,554</u>
	<u>\$ 101,987</u>	<u>\$ 105,632</u>

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

7. Related party transactions (continued)

Total amounts included in accounts receivable as receivable from member universities as at March 31, 2019 were \$7,964 (2018: \$10,611).

The University of Victoria maintains the Society's operating cash account and also provides accounting, personnel and payroll services. The Society paid service charges of \$25,000 (2018: \$25,000) to the University of Victoria during the year.

8. Bamfield Marine Sciences Centre Scholarship Endowment Fund

The Bamfield Marine Sciences Centre Scholarship Endowment Fund was established by the Society and the Vancouver Foundation on December 9, 1981. All contributions to the fund are to be held permanently by the Vancouver Foundation and the income on the fund is paid annually to the Society. Amounts received and held pending transfer to the Foundation are recorded as income of the Special Purpose fund and expensed when transferred. No endowment fund contributions were received during the 2019 fiscal year (2018: \$nil).

The income of the fund is to be used for scholarships, bursaries and fellowships for undergraduate, graduate and post-doctoral students studying marine biology at the Bamfield Marine Sciences Centre. The income of the fund at March 31, 2019 was \$58,869 (2018: \$55,975).

9. Supplemental cash flow information	2019	2018
Change in non-cash operating working capital		
Receivables	\$ (152,111)	\$ 17,005
Inventory	30,155	7,577
Prepaid expenses	37,339	(42,475)
Sales tax	43,148	(46,733)
Payables and accruals	(64,349)	87,811
Deferred revenue	12,397	1,666
Accrued wages and vacation payable	21,678	(314,367)
	<u>\$ (71,743)</u>	<u>\$ (289,516)</u>

Western Canadian Universities Marine Sciences Society

Notes to the Financial Statements

March 31, 2019

10. Risk management

In the normal course of operations, the Society is exposed to interest rate risk, credit risk and liquidity risk. The Society's primary risk management objective is to protect earnings and cash flow, and ultimately member value. Risks are managed within limits ultimately established by the Society's Management Council and implemented by senior management. These risks and actions taken to manage them are as follows:

Interest rate risk

The Society's main interest rate exposure relates to its demand loans. It minimizes their exposure to interest rate risk whenever possible by entering into fixed interest rate demand loans.

Credit risk

Credit risk arises from the possibility that a debtor is unable to discharge its obligations to the Society in a timely manner. The Society minimizes its risk through regular monitoring and follows up of its outstanding receivables.

Liquidity risk

Liquidity risk is the risk that the Society will not be able to meet the obligations associated with its financial liabilities. The Society manages liquidity risk by maintaining adequate cash and cash equivalent balances and by monitoring amounts owing from the University of Victoria which are held for operating purposes on behalf of the Society.

11. Remuneration disclosure

On November 28, 2016, the new British Columbia Societies Act came into force. Included in the new Act is a requirement to disclose the remuneration paid to all directors, the ten highest paid employees and all contractors who are paid at least \$75,000 annually.

During the year, the Society paid no remuneration to directors.

During the year, the Society paid \$558,904 (2018: \$468,556) in remuneration to six persons who are employees (2018: five), whose remuneration, during the applicable period, was at least \$75,000.

Western Canadian Universities Marine Sciences Society

Schedule of Revenue and Other Fund Additions

Year ended March 31

	General Fund		Restricted Funds		Capital Asset Fund		Total	
	2019	2018	2019	2018	2019	2018	2019	2018
Contributions from universities								
Simon Fraser University	\$ 271,400	\$ 271,400	\$ -	\$ -	\$ 52,000	\$ 182,000	\$ 323,400	\$ 453,400
University of Alberta	271,400	271,400	-	-	52,000	182,000	323,400	453,400
University of British Columbia	271,400	271,400	-	-	52,000	182,000	323,400	453,400
University of Calgary	271,400	271,400	-	-	52,000	182,000	323,400	453,400
University of Victoria	271,400	271,400	-	-	52,000	182,000	323,400	453,400
	<u>1,357,000</u>	<u>1,357,000</u>	<u>-</u>	<u>-</u>	<u>260,000</u>	<u>910,000</u>	<u>1,617,000</u>	<u>2,267,000</u>
Grants								
NSERC	32,667	42,875	137,000	425,000	-	-	169,667	467,875
Other	55,410	10,904	-	-	149,999	512,685	205,409	523,589
	<u>88,077</u>	<u>53,779</u>	<u>137,000</u>	<u>425,000</u>	<u>149,999</u>	<u>512,685</u>	<u>375,076</u>	<u>991,464</u>
Income from								
Food and housing services	1,035,918	1,066,061	-	-	-	-	1,035,918	1,066,061
Scientific and other services	1,039,895	1,004,436	-	-	-	-	1,039,895	1,004,436
	<u>2,075,813</u>	<u>2,070,497</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2,075,813</u>	<u>2,070,497</u>
Other revenue								
Charitable and other donations	-	6,468	10,000	10,000	-	-	10,000	16,468
Endowment fund, Vancouver Foundation (Note 8)	-	-	58,869	55,975	-	-	58,869	55,975
Interest (Note 3)	10,382	31,544	-	-	-	-	10,382	31,544
	<u>10,382</u>	<u>38,012</u>	<u>68,869</u>	<u>65,975</u>	<u>-</u>	<u>-</u>	<u>79,251</u>	<u>103,987</u>
Total revenue	<u>\$ 3,531,272</u>	<u>\$ 3,519,288</u>	<u>\$ 205,869</u>	<u>\$ 490,975</u>	<u>\$ 409,999</u>	<u>\$ 1,422,685</u>	<u>\$ 4,147,140</u>	<u>\$ 5,432,948</u>

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Comparative Muslim Studies

Website: sfu.ca/ccms

Director: Ghazal, Amal

Faculty: Arts and Social Sciences

Director's Term End

Renewal Date 4/1/2023

Details

Description of the Centre/Institute:

The Centre for Comparative Muslim Studies has been established at Simon Fraser University to encourage the academic discussion and public understanding of the cultures and societies of Muslim peoples in the past and present. The Centre works through a variety of programs to broaden the discussion of this important subject and to introduce more complexity and comparison in the analysis.

The Centre/Institute's membership and organization structure:

The Centre has a director, advisory committee and associate faculty. Membership is by invitation. It has a program assistant, a community engagement coordinator and research assistants.

Most significant accomplishments:

- Establishment of the Muslim Community Fellowship (currently 15 fellows).
- Organized Islamic History Month in collaboration with City of Vancouver, and Vancouver Public Library. October 27, 2019
- Ibadi Summer School , June 25-28, 2019

Notable media successes

<https://muslimlink.ca/news/meet-the-simon-fraser-university-centre-for-muslim-studies-muslim-community-fellowship-network-2019-cohort>

Events, workshops, public outreach events:

- Community Conversation Series: Being Muslim: the Gendered Experience July 21
- Traditional Islamic Art Workshop Jul 28
- Community Mural painting at the Vancouver Mural Festival Aug 4
- Being a Muslim Newcomer Sep 26
- Free Film Screening of Soufra|Reception Catered by Tayybeh Oct 25
- Vancouver Islamic History Month Celebration Oct 27
- Persian Music in the Work of Composer Ahmad Pejman Jan 17
- Islamic Geometric Design Lecture and Workshops Dec 1
- Jinn - Black History Month Film Screening Feb 27
- International Women's Day: Soufra Film Screening and Food and Craft Fare Mar 8
- Gathering for Community Healing Mar 15
- "Sharing the Fast" in partnership with Aboriginal Friendship Centre May 24
- Community Iftaar at UBC farm May 31
- Participation at Vancouver Biennale "Weaving Cultural Identities" ' June 27

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

- Contemplative Justice Network Grant: \$2505
- Grant from the Ministry of Religious Affairs and Endowments in Oman for the Ibadi Summer School: \$33.000
- Annual Donation up to \$10.000 by Riad Yassin.

Confirm policy review

Yes

Submitted by:

Amal Ghazal

Director's Comments:

The Centre's activities have become much geared towards community engagement. Due to this new direction, CCMS' profile has grown exponentially in Vancouver and across Canada, leading us to create a Community Engagement Coordinator position.

In 2018-19, we organized 30 activities, one workshop, one student conference and one summer school.

Dean's section

Reviewed by:

Lisa Shapiro

Comments:

The Center under the leadership of its new Director, Dr. Amal Ghazal, has reoriented the Centre towards Community Engagement. CCMS established a Muslim Community Fellowship program, and organized 30 separate activities, including an array of lectures and workshops. They have also organized a workshop, a student conference and a summer school. The centre is supported by an Endowment, as well as occasional gifts; it remains financially healthy.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Centre for Global Political Economy	Website:	http://www.sfu.ca/cgpe.html
Director:	Mann, Geoff	Faculty:	Arts and Social Sciences
Director's Term End	6/30/2019	Renewal Date	4/1/2022

Details

Description of the Centre/Institute:

The Centre for Global Political Economy is housed in the Dept. of Political Science, but involves faculty from other academic units at SFU to provide a focus for existing strengths in the field of global political economy and to win a position as an international centre for such research. The Centre aims to support related research and community collaboration, in addition to providing a venue for visiting scholars and a means of cross-disciplinary engagement for faculty and graduate students.

The Centre/Institute's membership and organization structure:

The Centre is led by the Director, who works with a Board of Advisors drawn from SFU Faculty. The membership is made up of social scientists from across SFU, and includes both faculty, postdoctoral fellows and graduate students.

Most significant accomplishments:

The Centre's main accomplishment this year has been the continued organization of a graduate student reading group, which involves students from across the social science disciplines at SFU and, increasingly, UBC as well. Faculty from both SFU and UBC also participate regularly in the group, and it has helped to build a cohort of graduates students interested in political economy. This is particularly helpful for those students, who tend often to be quite isolated in their own departments, since political economic research is spread across Sociology, Geography, Political Science, Economics (and even English).

Notable media successes

Radio/podcast interviews with the Director:

Novara FM (London UK), 28 June 2019

KPFA Radio (Berkeley CA), 12 June 2019

Below the Radar (SFU Office of Community Engagement podcast), March 2019

Cultures of Energy (Rice University, Houston TX, podcast), March 2019

2038 (New York Magazine podcast), November 2018

Print interviews with the Director:

42 Magazine (Germany), March 2019

New Yorker magazine (website), January 2019

vice.com, August 2018

(Largely in relation to two recent books, both of which have been widely reviewed and circulated; this has helped spread the Centre's name in wider circles.)

Events, workshops, public outreach events:

1. Invited Lecture, Laura Pulido (University of Oregon):

Environmental Deregulation, Spectacular Racism, and White Nationalism in the Trump Era (29 November

2018; co-sponsor)

2. Ongoing reading group mentioned above (takes place at HC to allow easiest access to all participants).

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Geoff Mann

Director's Comments:

Outside the extensive media engagement with the Director, the Centre had something of a slower year, thanks largely to my administrative commitments as Geography's Undergraduate Chair at a time when we are restructuring all our degree programs and heading into a Departmental Review. Thanks very much for your consideration of this report.

Dean's section

Reviewed by:

Lisa Shapiro

Comments:

The Centre organized a successful graduate student reading group, with members from across SFU as well as from UBC. The Director has been interviewed on numerous occasions by a variety of media. Due to a variety of factors, this has been a slower year for activities of the Centre. The Centre has no financial accounts.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Public Policy Research
Website: www.sfu.ca/mpp/centre_for_public_policy_research.html

Director: Olewiler, Nancy
Faculty: Arts and Social Sciences

Director's Term End 8/31/2021
Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The purpose of the Centre (CPPR) is to promote multidisciplinary research, education, and dialogue on a broad range of public policy issues in Canada. The Centre supports and initiates research, publications, colloquia, conferences, visiting researchers and speakers. It is the research arm of the School of Public Policy at SFU, complementing the Master in Public Policy (MPP) degree program.

The Centre/Institute's membership and organization structure:

The CPPR consists of all the faculty in the School of Public Policy and our current MPP students. We engage with other units and associated faculty from other departments for events the Centre sponsors. The organizational structure is that the Director of the School of Public Policy (SPP) is the Director of the Centre with support from our Department Manager and Outreach Coordinator.

Most significant accomplishments:

1. Hosting "Policy Spotlight" seminars/talks approximately every two to three weeks in each of Fall and Spring semesters when our MPP students are in residence. These are open to all students, the SFU community, and any external participants. These talks are always well attended and are given by: local, provincial and national public policy experts from the public and private sector (including some of our MPP graduates who are now working in important policy areas).
2. The Centre supports our major project for our first-year students: the "BC Priorities Project" (BCP). These are group projects done in our Policy Analysis course sequence on public policy issues chosen by an external agency. For example, this past year, the Representative for Children and Youth provided funding to the Centre to support the research done by the students on performance indicators for the agency. Other projects were completed in cooperation with the First Nations Health Authority, City of Vancouver, Technical Safety BC, Ecotrust, Ministry of Advanced Education, and Ministry of Education.
3. In partnership with SFU's Public Square we hosted two Oxford-style debates. The first on the referendum on proportional representation. Nancy Olewiler was the moderator of that debate. The second was on the topic - "Is Social Media Killing Democracy". Both debates were to sell-out audiences from the university and broader community.

Notable media successes

* Stories associated with the two debates.

* The BCP project for the City of Vancouver was on "Nightlife Policy in Vancouver" and was a contributing factor in a motion brought forth to City Council and covered extensively (with quotes from the students' work and a student spokesperson) by the Vancouver Sun.

Our faculty's policy-engaged research and analysis is frequently in the media. For example:

* Professor Maloney's report as Chair of the Expert Panel on Money Laundering received extensive media coverage and Professor Maloney did many dozens of interviews to all forms of media both locally and

nationally.

* Josh Gordon's work on the BC housing crisis receives local to national media coverage.

Events, workshops, public outreach events:

As noted above:

* Our Policy Spotlight talks

* The two debates

* Our BCP projects

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Grant from the Representative for Children and Youth: for BCP projects and ongoing faculty research in areas connected to their mandate.

\$30,000

Confirm policy review

Yes

Submitted by:

Nancy Olewiler

Director's Comments:

Dean's section

Reviewed by:

Lisa Shapiro

Comments:

The Centre for Public Policy continues its efforts at public engagement, having hosted "policy spotlight" seminars/talks every 2-3 weeks, as well as two Oxford style debates on the referendum on proportional representation and on social media and democracy. In addition, the Centre supports students in the MPP program, including the BC Priorities Projects by first year students, which involve interactions with external entities to define and support the projects and the Case Competition of MPP Students. The Centre is financially healthy, and is expecting to receive 30K from CYS to support the Priorities Projects.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Scottish Studies

Website: <http://www.sfu.ca/scottishstudies.html>

Director: McCullough, Katie

Faculty: Arts and Social Sciences

Director's Term End 4/30/2020

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The purpose of the Centre for Scottish Studies is to promote teaching and research, organise public conferences, symposia, and seminars in the field, and foster and develop local interest in Scottish Studies.

The Centre/Institute's membership and organization structure:

The CSS is headed by the Director, Dr. Katie McCullough, term assistant professor in the Department of History and Shadbolt Fellow in the Humanities (2015-2020). The Centre's steering committee is composed of four faculty members: Dr. John Craig (History), Dr. Eleanor Stebner (Humanities), Dr. Willeen Keough (History), Dr. Fred Popowich (Computing Science), and two members of the public: Ms. Cilla Bachop and Mr. Ron Sutherland (Associate Member of the Centre). The centre currently has a research assistant, Kaitlyn MacInnis, who is researching Scottish migration to British Columbia.

Most significant accomplishments:

The Director was invited by the President's Office to be the orator for honorary doctorate degree recipient, and long time supporter of Scottish Studies at SFU, Dr. Jennifer Wade at the June 13, 2019 convocation ceremony.

The Director has successfully formed a partnership with St Mary's University, University of Victoria, and The Centre for History, University of the Highlands and Islands to organize two symposia on the Scottish diaspora in Victoria and Cape Breton in 2020 called: Coastal Scots: British Columbia and Nova Scotia, from c. 1770 to the present.

The Director has signed a contract with Edinburgh University Press to publish with her co-author Peter Cook (Uvic) *Mohawks and Scots in Early Canada* (expected December, 2020).

Notable media successes

In July 2018, Dr McCullough was involved in the making of a Telus Original short documentary on the history of Highland Games in British Columbia (Spotlight Productions) called "Living Celtic Tradition: The Highland Games." The documentary was released in early 2019 and is now being circulated through SFU social media channels.

Events, workshops, public outreach events:

To inaugurate the 20th anniversary celebrations the Centre held a public lecture and celebration on October 27, 2018, at SFU Harbour Centre, featuring Canada Research Chair in Atlantic Canada Communities at Saint Mary's University, Dr. S. Karly Kehoe, whose talk, "Histories of the Scottish Atlantic: Caribbean Slavery and the Highland Diaspora in the Maritime Colonies," was warmly received by a packed room. The event showcased local Scottish-Canadian culture, inviting the Vancouver Gaelic Choir to give a beautiful performance to a captivated audience. We also heard from some of the current and past recipients of CSS student awards and fellowships, including the current David and Mary Macaree Fellowship holder, History MA student Kaitlyn MacInnis.

On January 24th, the Centre also held a very special 20th anniversary Robert Burns lecture featuring Dr. Sierra Dye from the University of Guelph, who gave a talk entitled: "Dancing with the Devil: Tales of Supernatural Scotland From Witchcraft Confessions to Robert Burns."

On January 25, the Director gave a speech at the SFU Vancouver Robert Burns celebration on the impact of Robert Burns and his poetry on British Columbia.

On March 5th, the 78th Fraser Highlanders Association of Vancouver visited History 448 (Scots in the Atlantic World) for one of their famous Brown Bess Musket demonstrations as part of a discussion of the role Highland Scottish soldiers played in the Seven Years' War in North America. The Frasers donated \$500 towards student essay prizes.

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Donations totaling: \$1425

Confirm policy review

Yes

Submitted by:

Dr Katie McCullough

Director's Comments:**Dean's section****Reviewed by:**

Lisa Shapiro

Dean's Comments:

The Centre remains engaged with the Scottish diaspora community in BC and globally. In coordination with St Mary's University, University of Victoria and the University of the Highlands and Islands to organize two symposia (one in Victoria, one in Cape Breton).

The Director's term appointment, as well as appointment as Director of the Centre, ends at the end of April 2020, and the Centre needs to begin the process of succession planning to appoint its next Director.

As part of the succession planning it would be very helpful for the Centre's Steering Committee to discuss how they foresee operationalizing the aims of the Centre as well as whether and how they intend to raise funds to achieve those aims.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for the Study of Public Opinion and Political Representation

Website:

Director: Weldon, Stephen

Faculty: Arts and Social Sciences

Director's Term End 8/31/2018

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The Centre focuses on the study of elections, public opinion, and the functioning of representative democracy. We organize public events and scholarly activities related to several different themes--including, diversity and migration, provincial and national elections, and electoral systems.

The Centre/Institute's membership and organization structure:

The Centre has an executive committee consisting of the director and 5 faculty members. It includes members from across departments at SFU, Canada, and internationally.

Most significant accomplishments:

Organized public roundtable forum on the U.S. midterm election, public forum on the BC Electoral Reform referendum, and co-sponsored a research workshop on democratic representation.

Notable media successes

Members regularly are interviewed in the media on issues related to elections, representation, and democracy. We do not however track this.

Events, workshops, public outreach events:

Public forums on the BC Electoral Reform referendum and the US midterm elections.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Steven Weldon

Director's Comments:

Dean's section

Reviewed by:

Lisa Shapiro

Dean's Comments:

The Centre's central activity consisted in organizing public events concerning democratic representation, tied to specific current events. In this case, they organized panel discussion on the US midterm elections and the BC Electoral referendum.

In future reports, it would be helpful to include the names of the executive committee members. As the Centre is up for renewal next year, it would be helpful for it to consider how its aims fit with the newly revised Centre and Institute policy. The Centre does not hold financial accounts.

Please note that the FASS Dean's office does not have a record of the Centre's constitution. Please either forward the existing constitution to fassecc@sfu.ca or develop a Constitution and forward it to fasssec once approved. We have templates to assist you.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: David Lam Centre **Website:** sfu.ca/davidlamcentre.html

Director: Hathaway, Michael **Faculty:** Arts and Social Sciences

Director's Term End 8/31/2019 **Renewal Date** 4/1/2022

Details

Description of the Centre/Institute:

The Centre supports and facilitates research collaboration, networking and building the community of Asia-related scholars across campus and internationally. The Centre furthers the involvement of students in researching the Asia Pacific region. Lastly the Centre mobilizes and transfers knowledge from the academic research community to the Canadian public.

The Centre/Institute's membership and organization structure:

The Centre is headed by a Director and governed by a Steering Committee (SC). Nine faculty members from FASS, Beedie Business School and Communication served on the SC in 2018-19.

The Centre currently has 38 members across the University that participate in the activities of the Centre.

Most significant accomplishments:

1. Improvement of SFU at Large
2. Promotion and Outreach
3. Community Partnerships Development and Enhancement (see attached file for details)

Events, workshops, public outreach events:

A total of 33 events (compared to 28 last year) were sponsored/organized by David Lam Centre in 2018-19. Eight of these notable events are highlighted below. See attached file for the full list of activities.

- 1) co-organized with the Consulate General of the Republic of Korea MIKTA workshop Middle Powers' Role in the Era of the Confrontations Among Major Powers with scholars specializing in Mexico, Indonesia, Republic of Korea, Turkey, and Australia
- 2) co-organized with SFU Centre of Comparative Muslim Studies lecture Soundscapes of Uyghur Islam
- 3) co-organized eight public lectures of the Taiwan Studies Group Speakers Series between October 2018 and February 2019 to promote research collaboration with scholars on Taiwanese studies around the world and to bring various topics on Taiwan to SFU and the general public
- 4) partnered with the Canadian International Council for the first time to organize panel Running on Empty: Canada and the Indochinese Refugees, 1975-1980
- 5) coordinated with SFU History to bring in a speaker (David Chang, University of Minnesota) for a presentation on Indigenous Asia
- 6) co-organized with SFU Humanities lecture Conversations with Ambedkar by visiting professor Valerian Rodrigues
- 7) organized three Pacific Region Forum featuring former BBC correspondent, scholar from China and business consultant to speak on Asian geopolitics, entrepreneurship and intellectual capital.

Additional documents:

[2018-19 DLC Activities online submission 1.pdf](#) (see attachment)

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Michael Hathaway

Director's Comments:

Sorry for the delay--- I was out of the country for a research trip until a few days ago.

Dean's section

Reviewed by:

Lisa Shapiro

Dean's Comments:

The DLC remains on very solid financial footing through its substantial endowments, which fund a range of research and public engagement activities, as well as a program coordinator to assist in the management of these programs. This year, the centre has funded 15 Asia related research projects, provided RA funding for 5 UG and Grad students, established connections with other SFU Research initiatives, supported 33 Community events, awarded a graduate student essay award, confirmed a Distinguished Visiting Professor and hosted 2 visiting scholars. It is building on its already strong reputation locally to develop a more robust reputation as a research organ. It is has also engaged in fruitful succession planning, refreshing its Steering Committee, and agreeing to a codirector arrangement.

Outline of DLC Activities in 2018-19

FINANCES

Three endowment funds (\$3.6M)

Annual Budget (approx. \$255K)

- DLC Members' Research Initiatives and Events: \$100K
- DLC Administration: \$65K
- Scholarship and RA Support: \$25K
- SFU-HKBU Scholar Exchange Program: \$25K
- SFU/Community Programs and Events: \$30K
- Speakers Series to Schools/Departments: \$10K

ACTIVITIES

- Held three Steering Committee meetings in Spring 2018, Fall 2018, and Spring 2019
- Recruited Irene Pang of School for International Studies to join DLC Steering Committee (replacing Yuezhi Zhao of School of Communication)
- Presented papers on Indigenous Asia at the Association of Asian Studies Conference in Denver, Colorado
- Reached out to directors of Asian studies centres and hosted dinner for the directors and indigenous scholars at the Association of Asian Studies Conference in Denver, Colorado
- Developed relationship with the Centre for Asia-Pacific Initiatives (CAPI) of University of Victoria

Improvement of SFU at large

- expanded funding policy to assist graduate students with their travel to conduct research overseas and to present papers at international conferences
- funded 15 Asia-related research projects (>\$2K) between April 2018 and March 2019
 - 6 researchers applied for the first time
- provided RAship funding and training opportunities at DLC for 5 undergrads and grad students
- completed internships database and posted on David Lam Centre's website
- confirmed 2019-20 DLC Distinguished Visiting Professor (Mr. Kingsley Ng of Hong Kong Baptist University) with the help of SFU International
- supported SFU-Hokkaido University workshop organized by SFU Archaeology
- provided funding to Asia Pacific Foundation for Indigenous-Asia Pacific business roundtable
- co-organized lecture on Uyghur Islam with the Centre for Comparative Muslim Studies
- co-sponsored more lectures with other units at SFU

Promotion and Outreach

1. DLC Website

- Continuous revisions and improvement to website
- Planning for migration of current website to SFU's new website template
- Outreach to more Asia-related researchers at SFU for an up-to-date SFU Asia-Related Research directory

2. Campaigner Email Blasts to announce DLC news and upcoming events to Asia-related Researchers and Students

- Email reaches 92 people on two mailing lists
- 5 Campaigner emails sent between May 2018 to March 2019
- "open" rate: 62% to 83% (improvement from 36% to 62% in 2017-18)

3. Increased awareness of SFU David Lam Centre

- 6 SFU faculty joined DLC Membership in 2018-19 to bring the total to 38
- Sponsoring "State-City Collaboration on Clean Energy Transformation" in May 2019, organized by Renewable Cities, SFU Morris J. Wosk Centre for Dialogue

4. Increased student's awareness as demonstrated by the number of applications for the Paul Tai Yip Ng Memorial Award

- 2019: 6 applicants from 4 departments in 2 faculties
- 2018: 7 applicants from 6 departments in 3 faculties
- 2017: 2 applicants from 2 faculties

5. Visiting Scholars

- hosted 2 scholars in 2018-19
 - Jeong (Michelle) Oh, researcher of the Korean government's advisory council
 - Isaac Yue, Associate Professor, University of Hong Kong
- 2 new scholars confirmed for 2019-20 (Jerry Zee, University of California, Santa Cruz; Guy Beauregard, National Taiwan University)

Community Partnerships Development and Enhancement

- 1) Asia-Pacific Foundation (APF)
 - Connected APF with SFU FASS researchers conducting research on indigenous people
- 2) Taiwan Economic & Cultural Office (TECO)
 - Ongoing communication between DLC Director and TECO
- 3) DOXA
 - Sponsored 2018 DOXA Film Festival
 - Coordinated travel of filmmaker of “In the Claws of a Century Wanting”, a documentary on the Philippines, to give a post-screening talk with UBC graduate student, for 2019 DOXA Film Festival
 - Sponsored 30 tickets to the Filipino community for “In the Claws of a Century Wanting”
- 4) Indian Summer Festival (July 2019)
 - Sponsored 2018 Indian Summer Festival
 - Sponsoring Pico Iyer’s talk at Museum of Vancouver in 2019
- 5) Korean Consulate
 - Sponsored MIKTA Panel (Mexico, Indonesia, Korea, Turkey, and Australia) in September 2018 at SFU Harbour Centre
 - DLC sponsoring travel of a scholar from Korea to present at the Biomethane for State-City Collaboration Conference (May 2019)
- 6) Canadian International Council
 - Director proposed local Syrian refugee to join the panel (*Running on Empty*) held at SFU Harbour Centre
 - co-organized panel
- 7) Hong Kong Baptist University (HKBU)
 - DLC and SFU Internationally successfully created a new scholar exchange program with HKBU
 - recruited Mr. Kingsley Ng of Academy of Visual arts at HKBU to come to SFU in September 2019 under this program
- 8) DLC-IS Lecture Series (Fall 2019-Spring 2020)
 - Organizing 4 lectures and 1 panel on Asia-Pacific
- 9) Hokkaido University (HokkaidoU)
 - Outreach by DLC Director to faculty conducting Ainu research at HokkaidoU
 - DLC Director conducting Ainu research at HokkaidoU in June 2019 under DLC Project Funding scheme
- 10) SFU International (SFUi)
 - Continual collaboration between SFUi and the DLC
- 11) Centre A Art Gallery
 - Co-organized a gathering in partnership with SFU Global Asia in April 2019
- 12) Vancouver Art Gallery
 - Started to establish stronger connections with the Vancouver Art Gallery for Asia related artists
 - Sponsoring a talk by a South Asian artist in July 2019

13) UBC

- Sponsored Hokkaido 150: Settler Colonialism and Indigeneity in Modern Japan and Beyond
- Sponsoring CHESS2019 UBC Summer School (Gold Mountain River: Chinese Mining Landscapes in Indigenous Territories)

14) Nanyang Technological University (Singapore)

- Supported a talk by a visiting scholar (Miles Powell, author of *Vanishing America: Species Extinction, Racial Peril, and the Origins of Conservation* (Harvard UP, 2016)

Past Events Sponsored/Organized by the DLC

April 1, 2018 – March 31, 2019: 33 events

Highlights:

- 1) co-organized with the Consulate General of the Republic of Korea MIKTA workshop *Middle Powers' Role in the Era of the Confrontations Among Major Powers* with scholars specializing in Mexico, Indonesia, Republic of Korea, Turkey, and Australia
- 2) co-organized with SFU Centre of Comparative Muslim Studies lecture *Soundscapes of Uyghur Islam*
- 3) co-organized eight public lectures of the Taiwan Studies Group Speakers Series between October 2018 and February 2019 to promote research collaboration with scholars on Taiwanese studies around the world and to bring various topics on Taiwan to SFU and the general public
- 4) partnered with the Canadian International Council for the first time to organize panel *Running on Empty: Canada and the Indochinese Refugees, 1975-1980*
- 5) partnered with Department of Archaeology to host a workshop entitled, "Identifying Challenges and Potential Solutions in Protecting Indigenous Heritage in Japan and North America"
- 6) coordinated with SFU History to bring in a speaker (David Chang, University of Minnesota) for a presentation on Indigenous Asia
- 7) co-organized with SFU Humanities lecture *Conversations with Ambedkar* by visiting professor Valerian Rodrigues
- 8) organized three Pacific Region Forum featuring former BBC correspondent, scholar from China and business consultant to speak on Asian geopolitics, entrepreneurships and intellectual capital

List of all Past Events Sponsored/Organized by the DLC

Date	Event	Speaker/Organization	Description
April 5, 2018	Bayanihan and Belonging: Filipinos and Religion in Canada	Alison R. Marshall, Professor of Religion, Brandon University	The talk provided an overview of Filipino religiosity in Canada today. The speaker drew on research participant narratives, archival research, and fieldwork in Canada and the Philippines to explain the link between Filipino religious beliefs and practices, migration and belonging.
April 19, 2018	Paul Tai Yip Ng Memorial Award for 2017 Best Graduate Student Paper	SFU David Lam Centre	Ms. Maggie Tsang, an MA student in Humanities, was the winner of our 2017 Best Graduate Student Paper award. Maggie obtained a B.Sc. in Environmental Science & Management and an MA in Philosophy from Hong Kong. The winning paper examines the nature of knowledge of Chinese and Modern Medicine with a hermeneutic approach.
May 2018	explorAsian 2018	Vancouver Asian Heritage Month Society (VAHMS)	explorASIAN celebrates national Asian Heritage Month each May by building bridges between mainstream and Asian Canadian communities in promotion of multiculturalism and diversity.

Date	Event	Speaker/Organization	Description
May 2018	2018 DOXA Documentary Film Festival	Documentary Media Society	The 17 th Annual DOXA Festival featured 93 films and 96 screenings including the screenings of <i>From Our Eyes</i> , curated by Yi Cui and sponsored by SFU David Lam Centre
May 12, 2018	Mountain High River Flow	Sound of Dragon Society	This workshop provided hands-on opportunity for the participants to explore the inspiration from the natural world, both musically and visually. The artist Dailin Hsieh brought one zheng for everyone to take turns to play. Participants were welcomed to bring other musical instruments to play and paint mountains, trees, flowers and rivers with ink and rice paper.
May 28, 2018	Taiwan Studies Group Speakers Series: The Bamboo Union: Romance, History and Politics	Yun Xia, Associate Professor of History and International Studies, Valparaiso University	From the 1950s to the 1980s, student gangs founded by children of mainlanders in Taiwan evolved into entrepreneurial criminal organizations, against the backdrop of Taiwan's modernization and gradual democratization. This metamorphosis is best illustrated in the formation and vicissitudes of the Bamboo Union (zhulian bang). The speaker unveiled the historical realities of this often fantasied organization, its inner-workings and its intricate relations with competing gangs as well as with the Nationalist party.

Date	Event	Speaker/Organization	Description
May 29, 2018	Taiwan Studies Group Speakers Series: Gendering Masculinity: Taiwanese Households and the Japanese Colonial Courts	Tadashi Ishikawa, Postdoctoral Fellow in the Chiu Program for Taiwan Studies, Oregon State University	This talk examined the construction of Taiwanese masculinity in the Japanese colonial courts from 1919 to 1936. In the early 1920s, new Taiwanese elites emerged against the backdrop of preexisting male elitism and women's subordination to men and began envisioning new manliness within and outside the household.
June 26, 2018	2018 Canada-China Sino-Western Cultural Exchange Forum	International Multicultural Development Foundation	This forum shared examples of non-governmental protection of cultural heritages.
July 2018	Indian Summer Festival	Indian Summer Festival Society	The theme of the 11-day festival was 'Mythmaking'. People have always longed to know where we come from, why the world came to be and why things are the way they are. ISF 2018 took on this massive theme, examining ten centuries of human imagination and storytelling and presented a trans-continental range of artists, from the inheritors of ancient oral storytelling traditions to genre-defying musicians, award-winning novelists, and provocative visual artists.

Date	Event	Speaker/Organization	Description
August 2018	The 42 nd Annual Powell Street Festival	Powell Street Festival Society	The Powell Street Festival is the largest Japanese Canadian festival in the country and the longest running community arts celebration in Vancouver! Enjoy traditional and contemporary Japanese Canadian performances and demonstrations, including taiko drumming, sumo wrestling, martial arts, bonsai and ikebana, folk and modern dance, alternative pop/rock/urban music, visual arts, film/video, as well as historical walking tours, tea ceremonies, and a fantastic array of Japanese food, crafts, & displays.
September 13, 2018	Going Home	Bei Ling, poet and essayist	Beijing has changed greatly since the year 2000. Bei-Ling, exiled and not able to return to his home - Beijing, shared his impression of Beijing today.
September 18, 2018	MIKTA Workshop: Middle Powers' Role in the Era of the Confrontations Among Major Powers	Consulate General of the Republic of Korea	A 1-day workshop featuring panelists from the Royal Roads University, UBC, former Korean ambassador to Australia, Fairleigh Dickinson University, and the Asia-Pacific Foundation of Canada

Date	Event	Speaker/Organization	Description
September 18, 2018	The Future of the Asian Pacific Economy and Trans-Pacific Trade	Stewart M. Patrick, Director of the International Institutions and Global Governance Program, Council on Foreign Relations, Washington, D.C.	The speaker spoke to what the implications are or could be of the U.S.'s non-participation in the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP, formerly known as the Trans-Pacific Partnership, or TPP), especially as China proceeds to deepen trade and economic engagement around the world through the Belt and Road Initiative and Regional Comprehensive Economic Partnership (RCEP). In addition, his comments touched on what the American domestic foundations are for the re-engagement of Asia in a context of rising sovereignty, insularity, and protectionism in the United States.
September 27, 2018	The Burden of Housing Refugees: A Perspective from Rohingya Hosting Chittagong	D. Mitra Barua, Annette and Hugh Gragg Postdoctoral Fellow in Transnational Asian Studies, Rice University	This presentation warned that the delay in resolving the Rohingya crisis may trigger another refugee-generating crisis by victimizing the non-Bengali and Buddhist minority living in Chittagong. This observation, made after a month-long visit to Rohingya refugee hosting Chittagong, highlights the urgent need for international intervention so that the Rohingya refugees are repatriated in timely fashion to stop another humanitarian crisis in the region.

Date	Event	Speaker/Organization	Description
October 3, 2018	Pacific Region Forum Asian Waters: The Struggle Over the Asia-Pacific and the Strategy of Chinese Expansion	Humphrey Hawksley, former BBC correspondent	Whether on trade or tension around the Korean peninsula, America and China suspiciously circle each other while many other countries are deciding where their long-term future best lies. How these complexities are handled will have repercussions on all our lives. In this Pacific Region Forum, Humphrey Hawksley, a former BBC China and Asia correspondent, drew on decades of first-hand experience in Asia for this compelling and comprehensive analysis of the Asia-Pacific region.
October 10, 2018	Taiwan Studies Group Speakers Series: The Contentious Public Sphere: Law, Media, and Authoritarian Rule in China	Yan-wen Lei, Assistant Professor in the Department of Sociology, Harvard University	Despite ongoing censorship and repression, public opinion and debate in China has become increasingly common and consequential. How did this happen? The speaker, drawing on her new book <i>The Contentious Public Sphere</i> , discussed how the Chinese state mobilized law, the media, and the Internet to further an authoritarian project of modernization, but in so doing, inadvertently created a nationwide public sphere in China—one the state must now endeavor to control. She examined how this unruly sphere has influenced Chinese politics and the ways that the state has responded.

Date	Event	Speaker/Organization	Description
October 11, 2018	Pacific Region Forum China and the New Generation of Entrepreneurs: Is There a Lesson for Other Developing Countries?	Majid Ghorbani, Associate Professor at the Business School of Renmin University of China	Since the introduction of the open-door policy, and the shift away from extreme levels of state control of the economy, entrepreneurship in China has flourished. The speaker reported on the state of entrepreneurship in China based on the findings of three academic research projects and 30 years of experience observing China. This presentation touched upon the promotion and results of entrepreneurship among China's rural population and the creation of an uber class and middle class as well as some potential future obstacles and implications for Pacific Rim developing nations were discussed.
October 13, 2018	2018 K-Pop Competition	Consulate General of the Republic of Korea	Sponsored by the DLC to take place at SFU Goldcorp Centre for the Arts
October 16, 2018	Taiwan Studies Group Speakers Series: The Formation of Taiwanese Identity After Democratization	Shiho Maehara, Research Assistant Professor of Taiwan Studies Project at Kyushu University, Japan	Taiwan is an ethnically and culturally diverse island whose have long been asking themselves "who are we?" As Taiwan has democratized since the 1980s, the answers to this question have changed considerably. In this talk, Shiho analyzed the historical background to this shifting identity discourse, focusing especially on the influence of former Taiwanese President Lee Teng-hui.

Date	Event	Speaker/Organization	Description
October 29, 2018	Running on Empty: Canada and the Indochinese Refugees, 1975-1980	Panelists: Michael Molloy, former ambassador to Jordan David Ritchie, former Foreign Services Officer served in Pakistan, Afghanistan, India and Sri Lanka Mohammed Alsaleh, a Syrian refugee and former medical student	The story of how Canada launched this major refugee program is told in <i>Running on Empty: Canada and the Indochinese Refugees, 1975-1980</i>. The book was written by four retired federal immigration officials. It describes the efforts of their colleagues working under difficult conditions in Indochinese refugee camps and in Canadian communities to resettle those displaced by war and oppression. The lessons learned and new programs launched in this Indochinese refugee movement informed later refugee movements to Canada.
November 1, 2018	Taiwan Studies Group Speakers Series: Loyalty Marathon: Career Norms and Choices in Taiwan Law Firms	Sida Liu, Assistant Professor of Sociology and Law, University of Toronto	Lawyers often face difficult career choices in times of market uncertainty. After the global financial crisis in 2008, Taiwan law firms have experienced business downturns, which have taken a toll on lawyers' careers. Drawing on more than 60 interviews conducted in Taipei and Tainan in 2017-2018, this talk investigated how lawyers in Taiwan make career choices in an unfavourable market for professional services. The speaker argued that professional careers in Taiwan law firms is driven by an extra-long "loyalty marathon."

Date	Event	Speaker/Organization	Description
November 5, 2018	Taiwan Studies Group Speakers Series: Indigenous Taiwan: Traditional Knowledge Navigating Modernity	Michael Jacobson, rescuer of two Daowu fishing boats in Seattle	Taiwan's 16 recognized indigenous tribes daily navigate the pressures of modernity while maintaining their traditional cultures and traditions. Contemporary indigenous people must make a living, maintain their language and culture within the dominant Han culture, and deal with the negative impacts of mass tourism and environmental degradation. The speaker examined the Daowu, Paiwan, Rukai and Atayal tribes and the significance of Taiwan's indigenous communities in Taiwan's history and culture.
November 15, 2018	Pacific Region Forum: Globalization, Movement of Intellectual Capital and Innovation – The Russian Case	Daniel Satinsky, business consultant and analyst	Based on in-depth interviews with 157 Russian-speaking immigrants in the tech sectors of Silicon Valley and Boston/Cambridge, one of the authors of <i>Hammer and Silicon – The Soviet Diaspora in the U.S. Innovation Economy</i> examined the role of U.S. and Soviet, then Russian government immigration policy and the experience of immigration for the real people who comprise human intellectual capital, was discussed and summarized in this presentation.

Date	Event	Speaker/Organization	Description
November 20, 2018	Taiwan Studies Group Speakers Series: Hierarchy and Egalitarianism in Austronesia Taiwan: A Case Study of the Paiwan	Kun-hui Ku, Institute of Anthropology, National Tsing Hua University	This lecture reviewed previous attempts to characterize the nature of social differences among the Austronesian Taiwan and the theoretical roots of these efforts. Linguistic research over the past three decades has suggested that Proto-Austronesians may have already developed chiefdoms and social hierarchies and that Taiwan was one of the key sites for the migration of Austronesian speakers. Some scholars thus concluded that the “egalitarian” type of societies among the Austronesian Taiwan must have been the result of Japanese colonialism. The speaker compared this dichotomy with ethnographic material from Austronesian Taiwan, especially the Paiwan; distinguished the ideological and practical dimensions of this historical reconstruction; and examined the viability of the analytical tools which have been widely adopted in the anthropological literature on other Austronesian societies.

Date	Event	Speaker/Organization	Description
November 26, 2018	Taiwan Studies Group Speakers Series: 'Struggle for 100% Freedom': The Legacy of Nylon Cheng and Taiwan's Democratization	Ashley Esarey, University of Alberta	A provocative media entrepreneur and radical advocate of Taiwan independence in the 1980s, Nylon Cheng 鄭南榕 has since been commemorated with a "Freedom of Speech Day" and his quotations have served as rallying cries for a later generation of political activists. In a talk on Taiwan's transition from authoritarian rule. The speaker argued that the ways in which Nylon Cheng's ultimate sacrifice have been remembered can reveal much about the enduring effects of 1980s democratic activism as well as illustrate the vibrance of democracy in contemporary Taiwan.
November 28, 2018	Research Seminar	Miles Powell, Professor at Nanyang Technological University (Singapore)	The speaker shared new work on the environmental history of the Pacific shark fin trade: "How Would You Feel If Someone Were Allowed to Kill One of Your Grandparents?": Kānaka Maoli Opposition to the Hawaiian Shark Fin Trade."

Date	Event	Speaker/Organization	Description
February 11, 2019	Taiwan Studies Group Speakers Series: Fissures in the Historical Terrain: Revisit the Cold War in East Asia in the Hoover Archives	Hsaio-ting Lin, research fellow and curator of the Modern China collection at the Hoover Institution	The presentation showcased several archival treasures from the Hoover Institution Archives, Stanford University. The speaker illustrated how these archival collections might provide both evidence and opportunity for scholars to reconsider the Cold War binary thinking in Asia that has greatly simplified the intricate and intriguing political and military landscape in the region, overlooking the complicated intra-alliance between Taiwan and the United States, and across the Taiwan Strait.

Date	Event	Speaker/Organization	Description
February 27, 2019	Soundscapes of Uyghur Islam	Rachel Harris	The speaker shared her research that encompasses field-based ethnographic study of village ritual practices, and digital ethnography of mediated spheres of religious life, oral traditions of Central Asian Sufism, transnational flows of Qur'anic recitation and radical anashid, ideological debates and state interventions. In the fraught sphere of the discourse surrounding Islamic revivals, where dominant narratives privilege the visual in ways that routinely stereotype, demonize, and render Muslim subjects as passive Others, attending to the politics of voice and place may help to cut through the polarized political debates, and create new narratives about the lived experience of Islam.
March 5, 2019	Through the Looking Glass	Yi Cui, filmmaker and term lecturer SFU School for the Contemporary Arts	The speaker, Yi Cui, introduced a few works made by Tibetan herdsmen, monks and young students, and discussed her observations and analyses developed while she worked in the local Tibetan communities working with people making their own films.

Date	Event	Speaker/Organization	Description
March 9, 2019	Workshop: Identifying Challenges and Potential Solutions in Protecting Indigenous Heritage in Japan and North America	Department of Archaeology	Two faculty from the Center for Ainu and Indigenous Studies (Hokkaido University) and faculty from Canada and the US shared latest development in indigenous heritage in Japan and North America
March 14, 2019	Indigenous Worlds in Life and Death: Indigenous Worlds Beyond Borders as Seen from Victoria, BC in the 19 th Century	David Chang, Distinguished McKnight Professor of History and Chair of the Department of American Indian Studies, University of Minnesota	Coordinated with SFU History, this lecture explored how two different ways of studying the past (standard social history and interdisciplinary Indigenous study) lead to different understandings of past worlds. The standard tools of social history shed useful light on the early roots of colonial processes of hyper-policing and mass incarceration of indigenous people. Yet a study that proceeds from indigenous language sources and indigenous ideas of kinship and connection can reveal indigenous lives that transcend the boundaries that colonial powers archives impose upon them, in the past and also in the present.
March 22, 2019	Association of Asian Studies Conference	Michael Hathaway, Director of David Lam Centre	Michael presented papers on Indigenous Asia at the AAS Conference in Denver, Colorado and hosted largest known gathering of scholars of Indigenous Asia

Date	Event	Speaker/Organization	Description
March 27, 2019	Conversations with Ambedkar: Ten Ambedkar Memorial Lectures	Valerian Rodrigues, Visiting Scholar in the Department of Humanities at SFU	The speaker shared the lectures at Ambedkar University Delhi which dwell on some of the most telling concerns that our age confronts: concerns of justice, social closures, bare life and sovereign power, political agency, discrimination and affirmative action, displacement and migration, new modes and languages of command and control, social movements under the shadow of global capital, and politics of epistemic and normative frames on offer today.

SFU FAST System

Printed: 7/10/2019
Report Filter: User: dorrist Fund: 61 Endowment PrincipalPeriod: Mar-2019 (Closed)

Fund - Project		Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
E431101		D Lam Ctre for Intl Comns	0.00	1,418,283.82	1,418,283.82	-82,548.51	-82,548.51	0.00	1,500,832.33
E431102		Cda Program Fund	0.00	1,957,908.34	1,957,908.34	-63,737.25	-63,737.25	0.00	2,021,645.59
E439909		Paul Tai Yip Ng Meml	0.00	33,876.34	33,876.34	-1,210.11	-1,210.11	0.00	35,086.45
		Total	0.00	3,410,068.50	3,410,068.50	-147,495.87	-147,495.87	0.00	3,557,564.37

SFU FAST System

Printed: 7/10/2019
Report Filter: User: dorrist Fund: 21 Specific Purpose Projects (SP)Period: Mar-2019 (Closed)

Fund - Project		Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
S170117		North Amer China Resrch NACC	0.00	35,039.21	35,039.21	0.00	0.00	0.00	35,039.21
S210053		Ctr For Intl Comns-FASS	0.00	71,879.69	71,879.69	10,431.21	65,734.56	0.00	6,145.13
S210199		Paul Tai Yip Ng Memorial Fund	0.00	1,688.63	1,688.63	1,200.00	1,392.01	0.00	296.62
S210203		Chinese Canadian Heritage Fund	0.00	38,669.58	38,669.58	0.00	0.00	0.00	38,669.58
S291083		Cda Prg-Pacific 2000	0.00	204,936.86	204,936.86	6,999.07	119,356.84	0.00	85,580.02
		Total	0.00	352,213.97	352,213.97	18,630.28	186,483.41	0.00	165,730.56

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: First Nations Language Centre

Website: <https://www.sfu.ca/fnlc>

Director: Ignace, Marianne

Faculty: Arts and Social Sciences

Director's Term End

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The First Nations Language Centre aims to

- maintain and develop ongoing partnerships with First Nations communities engaged in language revitalization efforts;
- provide academic support for community-based efforts to revitalize seriously endangered languages in First Nations communities throughout British Columbia and neighbouring areas;
- offer research expertise with a focus on First Nations language revitalization theory and practice in communities;
- support language curriculum development, and facilitate research in the applied and descriptive linguistics of critically endangered languages; and
- facilitate communication between First Nations communities and the university.

Funding for the initiatives of the FNLC between 2013 and 2020 is provided through a \$2.495 mill. SSHRC Partnership grant.

The Centre/Institute's membership and organization structure:

The Centre has a steering committee whose membership overlaps with the membership of the First Nations Languages Program (a teaching program under FASS). Director is Marianne Ignace, members are Donna Gerds, Peter Jacobs, Nancy Hedberg. While we have no formal FN partner membership, each of us consults on an ongoing basis with First Nations with which we have active partnerships in education and research.

Most significant accomplishments:

- continue language documentation and revitalization activities through the SSHRC partnership grant with FN community partners from 12 Indigenous language groups in BC and Yukon
- engage new partners in community outreach research (Haidaburg City School, Yukon Native Language Centre)
- graduated 24 MA students in the linguistics of a First Nations language many of whom received graduate training and financial support through the FN Language Centre's SSHRC grant

Notable media successes

Prize-winning book brings 10,000 years of Shuswap First Nation history to life March 31, 2018
M. and R. Ignace Governor General Award
<https://innovation.gg.ca/>

Coast Salish Elder Ruby Peter wins SFU honorary doctorate
www.sfu.ca/fass/news/2019/06/ruby-peter-honorary-degree

Events, workshops, public outreach events:

several invited keynotes at UBC, TRU, (M. Ignace and R. Ignace) on Secwepemc language
<https://digitalcommons.library.tru.ca/bcstudies/may2/>

participated in, and reported on Centre activities in International Haida Language Gathering (Massett and Skidegate), April 2019

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

continuing SSHRC Partnership Grant 2013-2020
\$ 2.495 over 7 years.

Confirm policy review

Yes

Submitted by:

Dr. Marianne Ignace, Director

Director's Comments:

Dean's section

Reviewed by:

Lisa Shapiro

Comments:

The work of the Centre to document and rehabilitate FNL in partnership with communities continues apace, working with 13 FNL groups. The FNL Centre is supported through a SSHRC Partnership Grant, which supports postdocs, projects of storywork. Course offerings of FNL continue, with an UG certificate, as well as now a Grad Certificate, and a Grad MA in the Linguistics of a FNL. This year 24 MA students graduated. This year, new partners were engaged, and Ron and Marianne Ignace won both a book prize and the Governor General's Innovation Award. Coast Salish Elder was awarded an honorary degree. Additional work being done in conjunction with Aboriginal Reconciliation Council. In the coming year, the Centre will need to determine if it is to continue beyond the SSHRC Partnership Grant funding, and if so, what its mandate going forward will be. If it does continue, the Centre will need to develop or amend its Constitution. If it does have a Constitution, please forward it to fasssec.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Gerontology Research Centre **Website:** www.sfu.ca/grc

Director: Wister, Andrew **Faculty:** Arts and Social Sciences

Director's Term End 8/31/2019 **Renewal Date** 4/1/2020

Details

Description of the Centre/Institute:

Established in 1982, the Simon Fraser University Gerontology Research Centre (GRC) promotes and conducts innovative interdisciplinary research on topics relating to individual and population aging and provides research and consultation services to the academic community, government, public and private organizations. The GRC supports a full-time Communications Officer; has an active publications program (including our two newsletters, "GRC News" and "Seniors' Housing Update" - print & electronic); hosts workshops and conferences (John K. Friesen Conference in Gerontology, Ellen M. Gee Memorial Lecture); and provides free public lectures. The GRC maintains an exceptional national and international reputation as a top tier centre.

The primary research activities of the GRC entail both basic and applied gerontology in the following six thematic areas (GRC focuses on a subset of these themes for a given period) - see below):

- 1) Aging and the Built Environment — Research on planning, design, development and evaluation of housing, care facilities, community environments and enabling technology.
- 2) Changing Demography and Lifestyles — Examination of the impact of changes in the timing of life events and in retirement, pension and income support policy and programs.
- 3) Health Promotion/Population Health and Aging — Examination of determinants and consequences of population aging and health, development and evaluation of programs that assist seniors to improve their mental and physical health, resilience, ability to cope with chronic illness and prevention of disability.
- 4) Prevention of Victimization and Exploitation of Older Persons — Research and development of programs that prevent financial, psychological, physical and sexual abuse of older people, and facilitate access to rights and services.
- 5) Technology and Aging Research — Development and evaluation of technologies that support independent living and enhance quality of life.
- 6) Culture and Aging — Examination of ethno-cultural dynamics of aging, including access to services, diaspora, family relationships and resilience.

The interlocking areas of research address individual and population health through enhancing individual, family and community resilience; innovations in health and community care; and age-friendly environmental modifications in community living and long term care. The centre supports interdisciplinary multimethod research in basic and applied domains, with substantive strengths in complex causal modelling, big data analysis, community health research, program evaluation, participatory action research, and innovative methodologies.

Two specific research streams entail resilience and aging, and social isolation and aging, around which we plan to develop innovative basic and applied research including new interventions including new digital technologies. We also will continue work on homelessness, and other vulnerable older adults via community-based research activities.

The Centre/Institute's membership and organization structure:

The GRC is a Schedule A Centre and comes under the direct authority of the Dean of Arts and Social Sciences. The GRC is governed by the GRC Steering Committee which provides guidance to the GRC Director; fosters the interests of the GRC within SFU and the wider academic community; reviews the position of Director and recommends reappointment or succession; reviews the strategic plan of the GRC and provides guidance in its primary goals, resources and feasibility.

The GRC Director (Prof. Wister) was appointed Sept. 1, 2016. The GRC appointed a new Steering Committee to reflect the current aging-related research environment at SFU and updated its Constitution in 2018.

The Centre is overseen by a Steering Committee comprised of:

Andrew Wister, GRC Director, Professor, Gerontology, SFU
Habib Chaudhury, GRC Ass. Director, Chair/Professor, Gerontology, SFU
Scott Lear, Chair of GRC Steering Committee, Professor, Health Sciences, SFU
Nancy Olewiler, Director, School of Public Policy, SFU
Steve Robinovitch, Professor, Engineering Science, SFU
Dawn Mackey, Associate Professor, Biomedical Physiology and Kinesiology, SFU
Theodore D. Cosco, Assistant Professor, Gerontology, SFU
Dan Levitt, Executive Director, Tabor Village

Core People

Core researchers and staff are listed below:

Director: Dr. Andrew Wister, Sept. 1, 2016–present
Associate Director: Dr. Habib Chaudhury, Sept. 1, 2016–present
Research Associate: Dr. Gloria Gutman, Sept. 1, 2016–present
University Research Associate: Dr. Sarah L. Canham, Sept. 1, 2016–present
University Research Associate: Dr. Sharon Koehn, Sept. 1, 2018–present
Post-Doctoral Fellow: Dr. Theodore D. Cosco, Nov. 1, 2017–Dec. 31, 2018
Post-Doctoral Fellow: Dr. Susan Peters, Jan. 1, 2018–Dec. 31, 2018
Manager, CLSA Data Collection Site: Dr. Heather Stewart, Sept. 1, 2016–present (+12 RAs/staff)
Manager, CLSA CATI Site: Nicole Pernat, Sept. 1, 2016–present (+4 RAs/staff)
Statistician: Ian Fyffe, Sept. 1, 2016–present
Communications Officers: Aman Chandi/Kevin R. Wagner, April 1, 2018–present

Most significant accomplishments:

1) The CLSA: The GRC continues to house and run two labs that support data collection associated with the 20-year (2012–2032) Canadian Longitudinal Study on Aging (CLSA) with over 51,000 participants. One of these is at the Surrey Campus — one of the 11 Comprehensive Cohorts Data Collection Sites in Canada (full comprehensive data from cell to social); the other is at the Vancouver Campus at Harbour Centre — one of only four Computer Assisted Telephone Interview Sites in Canada. Between 12 and 14 staff are funded to support these activities. In addition, T. D. Cosco & A. Wister have secured a second CIHR CLSA Catalyst grant (also see Wister PI grant in 2017–19) to access and analyze CLSA data in the areas of multimorbidity, mental health, resilience and aging. GRC researchers have numerous publications stemming from this data platform (see GRC web site, Combined Annual Report).

2) Engaging Researchers & Supporting Training: The GRC organized and hosted (A. Wister & G. Gutman co-Chairs) the 47th Annual Scientific and Educational Meetings of the Canadian Association on Gerontology entitled, Making it Matter: Mobilizing Aging Research, Practice and Policy, Vancouver, B.C., October 18–20, 2018. It also hosted the 27th Annual John K. Friesen Conference entitled Social Isolation to Inclusion, Vancouver, B.C., May 16–17, 2018. The GRC also plans to be a leader at SFU in research by supporting a new Annual Research on Aging Day in order to bring together interdisciplinary researchers and students at SFU.

3) Building Research Capacity: The GRC has received several grants (see grant list), and has submitted new grants in the areas of health behaviours, mental health, technology and resilience, and dementia, based on national and international collaborations. Significant funds come directly to the GRC. With respect to new human resources, a second University Research Associate (URA), Dr. Sharon Koehn, was appointed Sept. 1, 2018 (supported by endowed funds) to conduct community-based health and aging research and outreach. The ongoing BC Real Estate Fellowship held by Dr. Sarah Canham that was converted to a URA position was in its second year. Her research focuses on homelessness and aging and seniors' substance abuse. In addition, two new post-doctoral positions were appointed. Dr. Theodore D. Cosco (CIHR post-doc) conducts research on mental health and resilience and aging, and Dr. Sue Peters (part-time) conducts research on physiological/functional resilience and aging. Together, these positions support an innovative program of research on the theme of resilience and aging, including interrelationships with social isolation. In addition, GRC funding resulted in the creation (Sept. 1, 2018) of a Tier 1 Canada Research Chair (Dr. Zheng Wu) in Longitudinal Research focusing on diaspora among seniors in China and Canada. We are also in the process of hiring two new post-doctoral positions.

Currently, a multi-million-dollar grant submission (SFU PI: Wister, A.; Co-I: Cosco, T. D.) is being submitted to the National Institutes of Health (US), Alzheimer's Disease and Related Dementia competition, with researchers from RAND, UCLA, McMaster and Statistics Canada. In addition, an Age-Well Core Research Grant in the area of mental health and digital technology has also been funded at the phase one development stage (SFU PIs: Cosco, T. D. & Moreno, S.; Co-I: Wister, A. & other SFU faculty).

Notable media successes

Alphabetical:

Canham, S. L. (2018, October 22). Access to affordable housing for seniors. Interview by C. Ruiz y Laza. CARPe diem [Television broadcast]. Vancouver, BC: JoyTV.

Canham, S. L. (2019, March 12). Vancouver homeless count. Interview by S. Sara. The Simi Sara Show [Radio broadcast]. Vancouver, BC: CKNW.

Canham, S. L. (2019, March 13). Expert keeping close eye on homeless count, cites concerns for older people on the streets. Interview by M. Lloyd & H. M. Nassar. News 1130 [Newspaper article]. Vancouver, BC: Rogers Media.

Canham, S. L. (2019, April 10). The aging face of homelessness in North American cities. National Post via The Conversation [Newspaper article]. Vancouver, BC: Postmedia Network Inc.

Gutman, G. (2019, January 16). Experts say better environmental design, staff training needed in wake of Okanagan care home deaths linked to aggression. Interview by S. Thom. Global Okanagan TV News at 6 [Television broadcast]. Kelowna, BC: Global Television Network.

Gutman, G. (2018, November 19). Elder Abuse. Interview by C. Ruiz y Laza. CARPe diem [Television broadcast]. Vancouver, BC: JoyTV.

Wister, A. (2019, February 27). Only the lonely. Interview by K. Banks. University Affairs [Magazine article]. Vancouver, BC: University Affairs.

Wister, A. (2018, September 13). Loneliness and social isolation affecting lives. Interview by M. Elliot. Michelle Elliot Show [Radio broadcast]. Vancouver, BC: CBC Radio.

Wister, A. CLSA on the Hill (Ottawa) — The Canadian Longitudinal Study on Aging released its first report on health and aging in Canada in Ottawa with over 100 members of Parliament in attendance Tuesday, May 22, 2018. The report (funded by Public Health Agency of Canada) is on the CLSA website and resulted in numerous media reports on the social isolation chapter (Wister et al.).

Events, workshops, public outreach events:

1) The GRC funds a major two-day conference from endowments each year (John K. Friesen Conference in Gerontology). In 2018, the conference was co-sponsored by the BC Psycho-geriatrics Association on the topic of social isolation and aging. We also host the endowment-funded annual Ellen M. Gee Memorial Lecture. In 2018, Dr. Zheng Wu (Gerontology Tier 1 CRC) presented a lecture on the topic of depression and widowhood among Chinese seniors. The GRC (A. Wister and G. Gutman Co-Chairs) hosted the 2018 Canadian Association on Gerontology annual meeting, Vancouver, 2018 (see above).

2) The GRC published two issues of the GRC News (including the Seniors Housing Update) that is sent to over 2,000 individuals and organizations. We have also developed a strong social media presence, including Twitter, Facebook, Instagram and YouTube with over 2,000 followers, which provides public knowledge translation and promotion of community forums and public lectures.

3) The GRC continues to collaborate with community organizations, such as the Vancouver Shelter society in homelessness health- housing transitions; the West End Seniors' Network on a Community Action Initiative-funded report entitled Engaging in Community Dialogues on Low-Risk Alcohol Use Guidelines for Older Adults; and the Alzheimer's Society of BC.

Financial Summary

Does your institute receive direct financial support from the University?

Yes

SFU Account Number

21-S210063

Opening Balance:

\$92,788.42

Revenues:

\$199,122.00

Expenditures:

\$153,374.76

Closing Balance:

\$138,535.66

Financial Report:

[21-S210063 March 31, 2019.pdf](#) (attachment below)

Financial Contributions from the University

Interest from Endowment accounts (62-E432331 + 62-E432336) generate Operating budget for GRC (21-S210063)

List of major equipment provided by the University

A large CFI grant (A. Wister) has supported the development of the CLSA data collection labs. A second 2020 CFI NOI has been submitted for renewing and expanding equipment.

University Personnel

2 teaching releases/academic year for Director Andrew Wister

Space provided by the University

6 offices at the Harbour Centre campus

2 CLSA labs (Harbour Centre and Surrey Campus)

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

December 2018–December 2020

Wister, A.: Co-I (PI: Nugus, P.; Co-Is: Denis, J-L., Sussman, R., Mitchell, C., & Steinert, Y.; Collaborators: Mazaniello-Chezol, M., Nies, H., Goodwin, N., Garcia-Barbero, M., Touchette, C., Ma, A., Ramdass, S. & Kadowaki, L.). The “Mobilizing knowledge for elder empowerment” forum: Transferring lessons on coordination of health & social services for older people. Social Sciences & Humanities Research Council (SSHRC). Total: \$24,850.

December 2018–June 2020

Gutman, G.: Co-I (PI: Blaber, A. P.; Co-Is: McPherson, L., Scarisbrick, T., Tavololian, K. & Xu, D.) From orbit to bedside: Using space-based bed-rest techniques to study cardio-vascular and skeletal muscle-pump orthostatic reflexes with and without a strength and HIT exercise intervention to prevent falls in older adult patients after hospitalization. CIHR. Total: \$200,000. GRC: \$0.

Nov 2018–Oct 2019

Koehn, S.: SFU Lead/Co-I (PI: Brotman, S.; Co-Is: Ferrer, I., Orzeck, P., & Raymond, E.; Community Partners in BC: United Way of the Lower Mainland (Uwlm), the Canadian Centre for Elder Law (others in Calgary, Montreal and Quebec)). Learning from the lived experiences of aging immigrants: Stakeholder outreach forums. SSHRC: Connections Grant. Total: \$44,655; direct to Koehn/GRC: \$6,120.

September 2018–August 2019

Chaudhury, H.: PI (Co-PI: Hung, L.). Innovating Together: WORKing with technologies in dementia care (IT WORKs). Michael Smith Foundation Health Research (MSFHR): Reach Grant. Total: \$10,000.

September 2018–August 2019

Gutman, G.: PI. Feasibility study of an interactive digital technology in reducing bathing-related agitation in a residential care facility. AGE-WELL: SIP Accelerator Program Grant. Total: \$39,979; direct to Gutman/GRC: \$39,079.

June 2018–May 2021

Chaudhury, H.: Co-I (PI: Phinney, A.; Co-Is: Mann, J., O'Connor, D., Cowie, H., & Wiersma, E.). Putting social citizenship into practice: reducing stigma and promoting social inclusion of people with dementia. CIHR: Project Grant. Total: \$669,376.

April 2018–March 2021

Wister, A.: SFU Lead/Co-I (PIs: Raina, P. Kirkland, S., & Wolfson, C). Canadian Longitudinal Study on Aging (CLSA) follow-up wave II comprehensive and tracking cohorts. CIHR: Targeted 3-Year Direct CIHR Grant. Total: \$41.6 million nationwide; Direct to Wister/GRC: \$874,633; to Data Collection Site FU2: \$551,556; to Computer-Assisted Telephone Interview Site FU2: \$323,086.98.

April 2018–March 31, 2019

Gutman, G.: PI. Making it matter: Mobilizing aging research, practice and policy. SSHRC: Connection Grant. Total: \$25,000; Direct to Gutman/GRC: \$25,000.

October 2018–August 2019

Gutman, G.: PI (Co-Is: Chaudhury, H. & Carr, M.). A pilot clinical trial of an interactive digital technology (MindfulGarden) in treatment of disruptive behavioural and psychological symptoms of dementia in a care home setting. Good Samaritan Delta View Care Centre, Ltd.: Contract. Total: \$82,859; direct to Gutman/GRC: \$82,859.

September 2018–March 2019

Canham, S. L.: PI (Co-PI/ Lead Agency: Anthony Kupferschmidt (West End Seniors' Network)). Convening grant for community dialogue on “promoting a healthy drinking culture in BC.” Community Action Initiative: 6-Month Contract. Direct to Canham/GRC: \$3,344.

January 2018–December 2018

Wister, A.: PI (Co-PI: Danielsen, C.; Co-applicants: Canham, S. L.; Project Partners/Knowledge Users: Providence Healthcare & Catholic Charities Shelter Services). Determining the feasibility of a medical respite intervention study for older homeless patients in Vancouver, BC. MSFHR: BC SUPPORT Unit Pathway to Patient-Oriented Research (P2P) Grant. Direct to Wister/GRC: \$19,992.56.

November 2017–April 2020

Cosco, T. D.: PI. Resilience and healthy ageing across the life course: A multi-cohort longitudinal analysis of psychological wellbeing and physical adversity. CIHR: Post-Doctoral Fellowship. Total: \$150,000; Direct to Cosco/GRC: \$75,000.

November 2017–November 2018

Wister, A.: Co-I (PI: Jones G.; Co-Is: Duggan, M., Rose, D., Sims-Gould, J., Stathostas, L., & Young, B.). The ABCs of assessing physical literacy in older adults. CIHR: Planning and Dissemination Grant. Total: GRC: \$18,361.

April 2017–March 2019

Wister, A.: PI (Co-PI: Canham, S. L., Bosma, H., & Mauboules, C.; Co-Applicants: Greater Vancouver Shelter Society & Providence Healthcare). Supporting partnerships between health and homelessness. Greater Vancouver Shelter Society: Homelessness Partnering Strategy. Direct to Wister/GRC: \$128,135.

March 2017–April 2020

Gutman, G.: Co-I (PI: You, J.; Co-Is: Howard, M., Kaasalainen, S., Sussman, T., Simon, J., Jayaraman, D., Kobewka, D., ... Heyland, D.) Improving advance care planning for frail elderly Canadians. Canadian Frailty Network. Total: \$2,676,698; Direct to Gutman/GRC: \$356,408)

March 2017–March 2019

Wister, A.: PI (Co-I: Lear, S., Mackey, D., Rosin, M., & Schuurman, N.). A multi-level analysis of functional, social and psychological multimorbidity resilience and aging. CIHR: CLSA Catalyst Grant. Direct to Wister/GRC: \$70,000.

September 2016–December 2019

Chaudhury, H.: Co-PI. (Co-PIs: Whitehurst, D., McGrail, K., Bryan, S., & Lear, S.). Enhancing autonomy and participation in older adults of British Columbia: An evaluation the Better at Home program. Total: \$322,050.

September 2016–May 2019

Chaudhury, H.: Co-I. (PI: Keller, H.). Making the Most of Mealtimes (M3): Determinants of food intake in long-term care. CIHR: Operating Grant. Total: \$979,160.

Confirm policy review

Yes

Submitted by:

Andrew Wister & Anne Marie Barrett (mananger)

Director's Comments:**Dean's section****Reviewed by:**

Lisa Shapiro

Dean's Comments:

The GRC annual report mistakenly was filed as a renewal. The Centre is due for renewal next academic year. As ADR, I approve the annual report.

In the past year, the GRC has updated its Constitution to reflect policy. The GRC continues to support the CLSA, and to build research capacity through the appointment of URAs. Recently, further capacity has been added with the appointment of Dr Zheng Wu as a CRC in Longitudinal Research. The Centre hosted an organized two major conferences on issues related to aging, and continues to apply for grants, both in Canada, and internationally, to further its community-based research. The GRC has an active media presence.

The GRC staff (including URAs) is supported largely by endowments, and it is financially healthy. External funds support much of the research activity of the Centre.

SFU FAST System

Printed: 6/6/2019

Report Filter: User: abarrett Fund: 21 Specific Purpose Projects (SP) Project: S210063 Gerontology Ctr-Int From EndowPeriod: Mar-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4012	BC Grant General	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4100	Indiv - Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4104	Indiv - Gift	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4162	Nonprofit - Contract	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4260	Conference Registratn Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4680	Subscription Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4899	Other Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4920	Royalty Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses								
5285	Acad Salary-Internal Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5290	Acad Salary-External Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5372	Hourly Staff - Student	0.00	0.00	0.00	5,127.20	15,585.83	0.00	-15,585.83
5378	Salaried Staff-Students	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5416	Salaries Research Assoc	0.00	0.00	0.00	19,123.44	52,883.89	0.00	-52,883.89
5430	Sals Non-Students RA	0.00	0.00	0.00	-320.00	-220.00	0.00	220.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	2,929.18	0.00	-2,929.18
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5442	Sals Doctorate RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5444	Sals Post-Doc RA Cdn	0.00	0.00	0.00	0.00	15,025.16	0.00	-15,025.16
5446	Sals Post-Doc RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5460	Sals Non-Students Hourly	0.00	0.00	0.00	5,674.20	14,061.69	0.00	-14,061.69
5462	Sals Non-Students Salaried	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5674	Sal Research Secretar-Clerical	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5785	Support Staff-Internal Rcvry	0.00	0.00	0.00	5,786.03	5,786.03	0.00	-5,786.03
5834	Stipends-Adm-Instr and Res	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5844	Invited Speakers Honoraria	0.00	0.00	0.00	0.00	-100.00	0.00	100.00
5862	Subject Payments - AP Only	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
5911	Welfare Benefits	0.00	0.00	0.00	4,303.32	18,082.32	0.00	-18,082.32
6000	Offic Classroom Equip under 5K	0.00	0.00	0.00	825.73	825.73	0.00	-825.73
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6090	Equipment - General under 5K	0.00	0.00	0.00	548.67	548.67	0.00	-548.67
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00	0.00	67.32	0.00	-67.32
6116	Books and Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6164	Software License and Purchases	0.00	0.00	0.00	1,154.22	1,154.22	0.00	-1,154.22
6199	Materials and Supplies - Other	0.00	0.00	0.00	3,931.95	5,080.49	0.00	-5,080.49
6512	Postage Courier and Delivery	0.00	0.00	0.00	25.94	107.45	0.00	-107.45
6514	Customs and Brokerage	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6516	Service Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00	0.00	1,000.00	0.00	-1,000.00
6660	Telecommunication Charges	0.00	0.00	0.00	186.00	2,330.00	0.00	-2,330.00
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	4.29	0.00	-4.29
6664	Cell Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6712	Food Services and Catering	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6772	Equipment and Furniture Rentl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	6,000.00	6,000.00	0.00	0.00	0.00	6,000.00
6920	Repairs and Renovations	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6970	Petty Cash Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6998	External Expense Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6999	Internal Expense Transfer	0.00	193,122.00	193,122.00	-1,980.30	-1,980.30	0.00	195,102.30
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	8,891.30	0.00	-8,891.30
7002	Employee Field Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	633.64	0.00	-633.64
7022	Non-Employee Field Travel Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7040	Conference Registration	0.00	0.00	0.00	0.00	1,302.17	0.00	-1,302.17
7042	Training and Development	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7044	Membership Fees - Individuals	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
7050	Meals Expenses	0.00	0.00	0.00	232.00	992.84	0.00	-992.84
7060	Recruiting Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7099	Other Personnel-related Exp	0.00	0.00	0.00	0.00	150.00	0.00	-150.00
7414	MECS Internal Charges	0.00	0.00	0.00	34.20	54.20	0.00	-54.20
7418	Print-Digital Svcs Intrnl Chrg	0.00	0.00	0.00	0.00	698.50	0.00	-698.50
7430	Creative Svcs Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7460	Safety Risk Services Charges	0.00	0.00	0.00	0.00	60.00	0.00	-60.00
7468	Information Services Charges	0.00	0.00	0.00	100.00	150.00	0.00	-150.00
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7500	Internal Recoveries - General	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7862	Credit Card Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7900	InterFund Transfer To-From	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7910	Internal Capital Fund Transfer	0.00	0.00	0.00	7,270.14	7,270.14	0.00	-7,270.14
7915	Budget Balance Forward	0.00	92,788.42	92,788.42	0.00	0.00	0.00	92,788.42
	Subtotal	0.00	291,910.42	291,910.42	52,022.74	153,374.76	0.00	138,535.66
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	1,115.33	0.00	-1,115.33
	Subtotal	0.00	0.00	0.00	0.00	1,115.33	0.00	-1,115.33
	Total	0.00	291,910.42	291,910.42	52,022.74	154,490.09	0.00	137,420.33

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Institute for the Humanities	Website:	http://www.sfu.ca/humanities-institute.html
Director:	Collis, Stephen	Faculty:	Arts and Social Sciences
Director's Term End	8/31/2019	Renewal Date	4/1/2021

Details

Description of the Centre/Institute:

Now in its 36th year, the Institute for the Humanities at SFU seeks to accomplish these basic objectives: stimulate student interest and faculty research in demonstrating the irreducibility of humanistic perspectives in understanding some of the most pressing social, economic, political and environmental problems we face and, above all, to engage the many publics beyond the academy in city, the province, the country and, indeed, the wider world. The Institute is perfectly placed, therefore, to play a key role in the idea of SFU as "student-centred, research-driven and community-engaged."

The Centre/Institute's membership and organization structure:

The Institute consists of the Director, Program Assistant, and 6 other members of the Steering Committee who meet at least once a semester to discuss and decide on the yearly theme, events, and sponsorships. The Institute also has a group of local, national, and international Associates who serve two-year terms and commit themselves, where possible, to attend and support Institute events to help build, deepen and extend the Institute's networks.

Most significant accomplishments:

1. "Then and Now: 1968–2018 Conference," organized by Professor Emeritus Ian Angus (<http://www.sfu.ca/humanities-institute/public-events/archive/2018-19/1968conf.html>)
2. Contours Graduate Conference on "Utopian Spaces" (<http://www.sfu.ca/humanities-institute/public-events/archive/2018-19/utopian-spaces.html>)
3. Grace MacInnis Visiting Scholar Lecture by The Honourable Ratna Omidvar: "The Rise of Populism: How We Can Stem the Tide" (<http://www.sfu.ca/humanities-institute/public-events/archive/jsw/romidvar.html>)

Notable media successes

2166 followers on Twitter
5411 followers on Facebook
1201 mailing list members

Events, workshops, public outreach events:

<http://www.sfu.ca/humanities-institute/public-events/archive/2018-19.html>

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

1. \$25,000 from The Simons Foundation for public programming during the 2018–19 fiscal year.
2. \$5,000 from The Simons Foundation for one summer internship.

Confirm policy review

Yes

Submitted by:

Huyen Pham, Program Assistant

Director's Comments:

Along with its commitment to stimulating and engaging public programming, the Institute has started devoting significant resources to its journal, *Contours*. We have two new issues forthcoming imminently that feature exciting new interdisciplinary research contributions within the humanities and social sciences. We also have two books coming out that draw directly upon our programming: "Spectres of Fascism" (Pluto Press), edited by Institute Director, Professor Samir Gandesha, that emerges out of a tremendously successful lecture series and conference we organized two years ago; as well as "Beyond Phenomenology and Critique: Essays in Honour of Ian Angus" (Arbeiter Ring Press), co-edited by Samir Gandesha and Professor Peyman Vahabzadeh of the University of Victoria. The second book is a Festschrift celebrating the life and work of long-time Steering Committee member and Humanities Department faculty member, Ian Angus. We are also planning a major conference on the challenge of authoritarian populism to liberal democracies for November 2020, and we intend to work closely with a major university press to produce a book that features the most prominent global experts on the subject. In this way, the Institute plans to make enduring research contributions in addition to engaging the larger public.

Dean's section

Reviewed by:

Lisa Shapiro

Dean's Comments:

The Institute for Humanities continues to be on sound financial footing, supported by an endowment. This year the Institute hosted a conference "Then and Now: 1968-2018", a Graduate Conference, and the Honourable Ratna Omidvar as the Grace McInnis Visiting Scholar Lecturer. The Institute is building its journal *Contours*. In addition they are planning a major conference in Nov 2020 on challenges to liberal democracies by authoritarian populists.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Institute for the Governance Studies **Website:** www.sfu.ca/igs

Director: Smith, Patrick **Faculty:** Arts and Social Sciences

Director's Term End 8/31/2019 **Renewal Date** 4/1/2021

Details

Description of the Centre/Institute:

The Institute of Governance Studies is intended to further research on governance issues.

Specifically its objectives include:

1. To provide a focus for research on issues and problems of governance - in Canada, at the municipal, regional/metropolitan, provincial and federal levels, in comparative domestic and Aboriginal systems and in the newly emerging global order.
2. To promote collaboration and research on issues of governance among scholars in a variety of disciplines located at Simon Fraser University.
3. To promote an institutional focus for international scholarship concerning issues of governance.
4. To provide a forum within the Vancouver metropolis, British Columbia and Canada for the presentation and dissemination of research and ideas on issues of governance.
5. To provide a facility in which data for the study of contemporary governance and related public policy can be collected, catalogued and made readily accessible through data management and exchange.
6. To provide a facility in which research and techniques can be made available for exchange with those having responsibility for contemporary governance.
7. To ensure that in keeping with SFU's commitment to local community outreach and engagement, research on governance also informs community discourse and decision-making.

The Centre/Institute's membership and organization structure:

Regular membership: IGS regular membership is available only to Simon Fraser University faculty: from the Faculty of Arts: Political Science: Aude-Claire Fourot, James Busumtwi-Sam, Marjorie Cohen, Laurent Dobuzinskis, Genevieve Fuji Johnson, Andrew Heard, Anil Hira, Michael Howlett, Alex Moens, Peggy Myers, Doug Ross, Patrick J. Smith.

Business Administration: Aiden Vining, Daniel Shapiro.

MPP: John Richards, Kennedy Stewart

Associate/Adjunct/Visiting/Governmental Members include: Alain Gagnon (UQAM), Munroe Eagles, (SUNY-Buffalo), Jim Bickerton (St.FX), Stephen McBride, (CRC, McMaster), Jeanette Ashe (Douglas College / Birkbeck College, UofLondon), Ted Cohn (SFU), John Young (Sudan/Carter Foundation), Shinder Purewal (KPU/SFU), Alex Netherton (VIU), John Shields (Ryerson), Bill Souder, (Telus), Rebecca Raglan (SFU), Patsy Kotsopoulos, (CRTC, Govt of Canada), Jeremy Wilson (UVic), Andrew Johnson, (Bishop's), Jacqueline Ismael, (UofCalgary), Brian Downes (Oregon), Art Goddard (formerly with Canadian Consulate, Seattle), Don Alper, (WWU, Bellingham), Bengt Streigffert, (UofLund, Sweden), Eran Razin, (Hebrew University of Jerusalem), Jung Ho Kim (Kyungpook National Univ, Korea), Chris Leo (UofWpg), Pierre Hamel (UofMtl), Caroline Andrew (UofOttawa), Tracy Summerville (UNBC), Gary Wilson, (UNBC), Warren Magnusson (UVic), Tom Hutton (UBC), Tareq Ismael (Calgary), Stuart Farson (SFU), Andy Yan (SFU), John Young, (UNBC), James Lightbody (UofAlberta), Dion Curry (U of Swansea, Wales), Kevin Ginnell (SFU/Douglas), Peter German, (former Commissioner, RCMP), Holger Mrosek (U Wuttenberg, Germany) , Duncan Low, (SFU), Andreas Migone (IPAC)

The Institute of Governance Studies does not have any credit teaching program. It does provide a number of official briefings/workshops, eg for Federation of Canadian Municipalities for foreign delegations (eg, West Africa, Viet Nam and Sri Lanka,) and the State Council of China and assists with study tours – eg in 2014-15 a two week study tour from Dortmund Technical University – on the Vancouver region as part of its non-credit education outreach. The workshops was centred at SFU-HC. This work continues, more recently with a study tour by Univ of Lyon.

Perl is also 2019 team teaching a second round with Norwegian exchange in Norway. Smith continued as Academic Director of the 6 month BC Legislative Internship Program – at the BC Leg through 2017-2019.. IGS Members - including Associate members (such as Eagles (SUNY-Buffalo), Ismael (Calgary), Hamel (UofMontreal), Magnusson (UVic) and Lightbody (UofAlberta) - have acted as second supervisors or externals for honours/graduate theses (MA and PhD) in Urban Governance/Public Policy/Political Science at SFU. Heard, Smith and others have also served as external examiners for MA's/PhD's in 2014-15 (eg UNBC, UofA, Carleton U, ...) and served as PhD External at Ryerson Univ in August, 2015, and at Antioch University in Ohio in 2019.

Most significant accomplishments:

1. BC Political Studies association for 24 years
2. Local Government Election Finance Act, BC
3. BC Speaker's Forum on legislative reform

The research at the Institute of Governance Studies during 2017-19 included:

Stewart, elected Mayor, City of Vancouver, BC, 2018-2022;

Smith presented "Urbanizing Canada's Constitution: Constitutionalizing Local Government in Canada?", at British Association of Canadian Studies, London, England, May 2017; and

"When is a Coalition Not? The 41st British Columbia General Election of 2017 and its Aftermath" at the May 2018, BCPSA Conference in Kamloops; and

"Eager Beavers, Lazy Cats and Jack Rabbits: Local/Municipal Policy Making Absent Authority In Canada at the May 2019, BCPSA Conference in Vancouver

Ginnell completed an article on Gordon Campbell's career prior to provincial politics for The Campbell Revolution (Summerville and LaCharite, eds, McGill-Queen's University Press, 2017

Cohen, Smith, Ginnell, LaCharite and Summerville also each contributed articles to The Campbell Revolution (Summerville and LaCharite, eds, (McGill-Queen's University Press, 2017)

Curry , Network and, Approaches to Multi-Level Governance: Structures, Relations and Understanding Power Between levels London: Palgrave-Macmillan, 2015 + "A bibliometrics approach to understanding conceptual breadth, depth and development: The case of New Public Management (with, Steven Van de Walle,date 2018/5, Political Studies Review

Members continue to publish from the BC Genome project. Hira's "Mapping Out the Triple Helix: How Institutional Coordination for Competition is Achieved in the Global Wine Industry" in Prometheus: Critical Studies in Innovation , vol.31, #4, 2013 as an example.

Fuji Johnson, completed a volume on Democratic Illusion: Deliberative Democracy in Canadian Public Policy, University of Toronto Press, 2015) Through IGS, the BCPSA awarded Fuji Johnson the Weller Prize for Best Book published by a BC Political Scientist in May, 2016 and

LaCharite and Summerville won the first Erickson Prize for best edited volume, from the BCPSA, 2018

The Institute's Good Governance series – on governance/electoral and legislative reform in the Vancouver region and British Columbia continues. This included contributions as part of an international research test project at the UN – on Good Governance. During 2014-17, Stewart and Smith also

consulted with BC's Ministry of Community, Sport and Culture/Municipal Affairs and Housing; this included briefing senior staff on local elections legislative reform.

Smith provided a confidential (120 page) Report for Elections BC as advice to the Special Committees work on revising BC's local government elections financing during 2015. That work resulted in a new legislative framework for the 2018 BC Local Elections – passed in 2017.

Smith was asked by Legislative Speaker Daryl Plecas to assemble a team of BC Political Scientists to form part of the Speaker's Forum on Legislative Reform. This included Smith, Ashe, Netherton, Telford, Heard etc and has involved multiple 2 day workshops – held at the Wosk Centre and BC's Legislative Assembly –with the Speaker and leg Clerk. Funding for facilities, travel, catering and accommodation covered by the Speaker's Office. This is a multi-year project anticipated to submit final report in 2020-21. A funding application for \$75,000 is under consideration – working with British academic Sarah Child – author of the Good Parliament to replicate this British research at the BC Legislature = the Good Legislature. -over the next two yours.

Members (Smith/Stewart) also took over authorship of the main text on Local Government in Canada in 2011(Nelson: 2012) and during 2014-2016 completed a major 9th edition revision. (Nelson, 2017). A 10th edition is under consideration for 2021-2.

The Good Governance project has also resulted in a series of workshops at SFU's Harbour Centre, beginning in December, 2012 and the BC Legislature, in conjunction with the BC Registrar of Lobbyists, and BC's Ombudsperson. There is also separate collaboration with BC's Speaker's Office" on reform of legislative practices 2018 and 2019. This collaboration- and with some other of BC's Independent Officers (eg the Chief Electoral Officer) is multi-year. (See Annual Report, BC Office of the Registrar of Lobbyists). Smith has also assisted in the creation of a new National Urban Governing Blog (2017-2018) – situated at University of Calgary. Smith is BC 'correspondent'; and IGS also contributed to a Canada-wide data set on municipal councils hosted at UWO-2019.

The international comparative metropolitan governance network which IGS has helped establish has produced a continuing series of book publications and placed work at SFU and on BC/Canada at the centre of such academic discourse. On comparative metropolitan governance – ongoing work/collaboration continues: an edited volume, with a publication grant from the Hebrew University of Jerusalem, was published in 2006-2007 by Magnes Press @ Hebrew University of Jerusalem (Smith-SFU/Razin-HUJI editors) - Title: Metropolitan Governing: Canadian Cases, Comparative Lessons. Articles include two with Oberlander, Smith and Stewart @ IGS/SFU and additional articles by Associate members (Hamel, Andrew, Kim, Leo, and Razin.) Subsequently, Smith ("Even Greater Vancouver: Metropolitan Morphing in Canada's Third Largest City Region") and Sancton (UWO) both contributed articles to a comparative North American Metropolitan Governance volume: Who Will Govern Metropolitan Regions in the 21st Century?, Don Phares, Editor, [Armonk, NY: M.E. Sharpe, 2009]. These research teams continue – with Smith/Stewart/Ginnell, etc doing reports/research on BC/Metro Vancouver. In 2019, Smith and colleagues organized and hosted Rethinking the Region – the 6th annual day seminar on regional issues at Harbour Centre. A publication is anticipated from these seminars. It has included Mayors, Regional directors and interested publics.

Smith with a report on Vancouver's governing - wrote, with Dimitri Rousopoulos and William Freeman a volume - for The Rise of Cities (Montreal: Black Rose, in 2017)

The Global Cities/Regions Cascadia networks continue to engage IGS members-associates in a variety of related projects; these have produced books, articles and special editions of journals, and continue to do so. Cascadia / Global Cities-Regions / International Political Economy projects included Canada/US/Mexico cross border collaborative research (McBride, Smith, etc) and in the Oresund region of Denmark/Sweden (Cohn, Smith). This work on Global Cities, and on Cascadia related issues continues as part of the joint New International Cities Project – started in 1986 - (Cohn, Smith etc) (Brigham Young/UofMontreal/ UofLyon, France), and the Global Regions project. It has included papers at the BCPSA Annual conferences and the annual meetings of the CPSA, etc. From "Cascading Concepts of Cascadia: A Territory or a Notion?", INTERNATIONAL JOURNAL OF CANADIAN STUDIES, VOL 25, Spring, 2002, pp.113-148. to more recent research work on border regions and Cascadia. In 2018-2020 Smith has been invited to ad keynote piece for Univ of Washington Press, new book on Cascadia.

In 2007, Smith presented a paper on this research at the Association for Canadian Studies in the United States in Toronto – with Eagles (SUNY) and others and a report for the City of Calgary: Global Calgary: A Globalist Strategy for the City of Calgary,* (with Kennedy Stewart), (Ottawa: Canadian Policy Research Network), April 2006, 35pp. as well as "Branding Cascadia: Who Gets To Decide? Considering Cascadia's Conflicting Conceptualizations - The Case for a Global City Region Definition"* in Canadian

Political Science Review, Vol.2, no.2, Summer, 2008, pp.57-83. and "Introduction: Constructing a Cross-Border Cascadia Region"*, (with Emmanuel Brunet Jailly), + Brunet-Jailly (pp.104-24) and Dupeyron, - in Canadian Political Science Review, Vol.2, no.2, June, 2008. During 2012-2017 there were meetings with WWU, UVic and SUNY colleagues on ongoing aspects of this work collaboration.

In 2018-2020 Smith has been invited by a group of American academics to contribute a keynote article for a new volume to be published by University of Washington Press, 2020, on urban Cascadia; The volume is entitled Green Contradictions: Urban Cascadia and the Pursuit of Environmental Justice, Nik Janos and Corina McKendry, Editors, (Seattle: University of Washington Press, 2020)

On local governance – local intergovernmental relations, there has been continuing research dissemination by IGS members in 2009/2010 and 2011 + 2012 – 2015-2019, e.g., at annual meetings of the Canadian Political Science Association, the BCPSA, PPPSA, etc. Publications, such as Smith "British Columbia Changes Metro Vancouver's Transportation Governance: A Re-Examination of Peter Self's Dilemma Thesis: Efficiency vs. Accountability?" in Local Matters, vol.2, April 2008, (Auckland, NZ: Institute of Public Policy: Local Government Centre), pp.2-5; this was followed by Gavan-Koop/Smith, "Gendering Local Governing: Canadian and Comparative Lessons – The Case of Metropolitan Vancouver", in Canadian Political Science Review, vol.2, no.3, September, 2008, pp.152-171; in 2012, Nelson published the 8th edition of Local Government in Canada, Canada's major text on local governing and Stewart and Smith had a revised 9th edition volume published later in 2017. (Main authors were Stewart and Smith). Smith also contributed 1/3 of 2017 volume on The Rise of Cities (Montreal: Black Rose Books) and papers on local governing at BCPSA, 2017, 2018 and 2019.

Policy research work has also included continuing since early presentations in Europe, Asia and Canada (Howlett and others) and ongoing collaboration with colleagues at UVic/UBC/VIU, NUS (Wilson, Holberg, Rayner,) etc... After In Search of Sustainability: British Columbia Forest Policy in the 1990's, (Vancouver UBC Press, 2001) (Howlett et al) some of this policy work has been published in the Canadian Journal of Political Science and other policy journals. Howlett, Dobuzinskis and Laycock finished editing a volume on Policy Analysis in Canada: The State of the Art at University of Toronto Press (2007). Smith/Stewart/Howlett, Dobuzinskis, Cohn, Vining, Murray and Laycock all contributed articles to this University of Toronto Press book: including Smith/Stewart, "Policy Analysis for Whom? Institutional Inadequacy and the Potential for Democratic Policy-Making Deviation in Eight Canadian Cities.", "Policy Analysis Methods in Canada" Vining(SFU) and Anthony Boardman (UBC); "Academics", Dan Cohn (York); "Media" - Catherine Murray (SFU), etc.... Smith/Howlett have served as editors of the Canadian Political Science Review, 2007-2011 – and Summerville and Howlett continued in 2017-18 and now under the editorship of Netherton, et al.

IGS provides the institutional home for BCPSA and the CPSR. Including 2017-2019; In 2008, Smith completed "Fairness Inc.: Administrative Justice in British Columbia – The Ombudsman Office at 30",* in Provincial And Territorial Ombudsman Offices In Canada, Stewart Hyson, editor, (Toronto: University of Toronto Press/Institute of Public Administration of Canada), 2010, Ch.3. In late 2009, Smith was also asked to deliver keynote address for 30th Anniversary Conference on the BC Ombudsman, organized by the BC Ombudsperson. Policy works also include a good number of IGS members – such as in re-writing/publishing Canada's most used Public Policy text, Studying Public Policy, 3rd edn., (Howlett, Ramesh, Perl) by Oxford University Press, 2009).

The Terrorism-Anti-Terrorism-Human Rights projects continue with IGS members and Associates abroad. In 2012, John Young (Sudan/Carter Foundation) published The Fate of Sudan: The Origins and Consequences of a Flawed Peace Process (London: Zed, 2012). Young continues to work in/on Sudan and consult with SFU colleagues through 2017-2019.

On Terrorism/anti-terrorism and rights research has been published for almost 20 years: in 2005. as In/Security: Canada in the Post 9/11 World (Netherton, Seager, Froschauer, editors) with articles by Netherton, Ross, Smith, and McBride (all at SFU/IGS). In autumn 2005, Farson and Smith both presented papers at a University of Victoria conference – on comparative anti-terrorism legislation and cross-border security. Smith and Brunet Jailly's contributions are included in Borderlands: Comparing Border Security in North America and Europe (U of Ottawa Press, 2007), with Brunet-Jailly as editor as well.

Perl, Smith, Brunet Jailly and U of Mtl colleagues have been meeting on a TOD project during 2018-2019 as well with SFU hosting a research meeting in 2019.

In January, 2008, UVic and WWU co-hosted a conference on Border Regions in Transition, with a subsequent volume to include several faculty contributions from IGS. In 2010 UVic's SPA and SFU's IGS

had discussions on Cross-Border regions and Cascadia. Preliminary work is underway. And 2018-2020 collaboration is underway on a new Urban Cascadia book – with UofWash Press in 2020.

Smith and Ismael also had separate articles in a Routledge volume: *The Muslim World and the West: Images and Realities in an Age of Terror*, Tareq Ismael and Andrew Rippin, editors, London: Routledge – Durham Modern Middle East and Islamic World Series, 2010. No short-term projects are anticipated into 2019-20.

IGS members provide the secretariat for the British Columbia Political Studies Association; several (Howlett/Summerville/Smith) were instrumental in the creation and initial editing of the on-line peer reviewed journal, the *Canadian Political Science Review*. This is shared by BCPSA, the Prairie Provinces Political Science Association and the Atlantic Provinces Political Studies Association. The current editors include Summerville and Netherton). A variety of IGS members have published in the CPSR as well as other journals. Howlett/Migone are also involved in the establishment/management of the *World Political Science Review*, which translates into English top rated articles from across a range of national political science journals. It is published by Berkeley Electronic Press. Andrea Migone currently serves as Research Director for the Institute of Public Administration of Canada, and has undertaken a number of new collaborative initiatives –beginning with 2014-2015 and continuing into 2020

Notable media successes

Frequent media commentary

Events, workshops, public outreach events:

-Speaker's Forum

-BC Legislative Internship Program

-Rethinking the Region Urban Studies Seminar

The Institute of Governance Studies continues to provide the secretariat for the British Columbia Political Studies Association. It initially published the BCPSA ANNUAL, the proceedings of the conferences of the BCPSA. These were edited by Howlett, Smith SFU/IGS) and a colleague(s) from the host institution (eg UBC-O): Michael Howlett, Patrick Smith et al., eds., vol.12 and vol.13 (Vancouver: British Columbia Political Studies Association, 2005-6-7) Howlett/Smith (SFU) shared the editing work on this.

IGS, as the Secretariat of BCPSA, has also provided the home base for the electronic journal, *Canadian Political Science Review*. The first volume (I) of this was published in Spring and Summer 2007 and it continues in 2017-18. The initial editors were all associated with IGS/SFU - Smith and Howlett + Summerville, UNBC. The three year editorship was completed and the CPSR has been established as a successful, peer-reviewed e-journal. It continues under the IGS Admin Editorship of Mike Howlett and Tracy Summerville and in 2019 with Netherton as editor

The Institute, through BCPSA - and in association with the Provincial Political Science Articulation Committee – maintains an electronic Directory of all political scientists working in post secondary institutions in the province, the Pacific Northwest, as well as in related jurisdictions/governments. The first Directory was published in 1995.and new directories help promote collaboration and exchange.

The BCPSA is also a regional association of the Canadian Political Science Association. Its annual meeting included a presentation by the incumbent CPSA President. IGS colleagues work with colleagues and Netherton, McBride, Stewart, Smith, Ross, Heard and others from SFU/IGS - Heard, McBride, Whiteside, Smith and others presented papers at Annual meetings; the 2017-18 conferences (along with the provincially-mandated Political Science Articulation Meeting, Ashe served as Treasurer, Netherton as President (and 2016 host at VIU), and Smith as Secretary, BCPSA. In 2017 + 2018 25% of the 47 papers were by BC and other graduate students, in keeping with its commitment to professional development.

IGS also assists in BC Political Science Student Essay prizes for the BCPSA - 5 each year: for lower division U/G; upper division U/G; MA level and PhD - for 'best essay' at a BC post secondary institution. It awards the Weller prize for Best Book by a BC Political scientist every other year.alternating with the Erickson Prize for best edited volume; IN 2018-19, LaCharite and Summerville were awarded the Erickson prize. Two SFU students won prizes in 2017 and 2018.

Young, continues work on the Sudan and South Sudan with the Carter Institute and also published *The Fate of Sudan: The Origins and Consequences of a Flawed Peace Process* (London: Zed, 2012). He continues this work in Sudan in 2019ff.

The Institute also continues to act as the home for the for the Canadian Association for the Studies of the

Humanities and the Environment (Raglan et al), the Cascadia Research Network (Cohn/Smith, Alper, Goddard, Brunet-Jailly...), and the BC members of the Canadian Association for Security Intelligence Studies (CASIS) - Heard, Farson, Netherton, McBride, Smith, etc). Each of these place SFU scholars at the centre of professional exchange. The latter association has included grants from Canada's Privy Council Office, and from CitiesPlus – on security and urban infrastructure from Canada's PCO. Work continues on Cascadia-Cross Border Comparative research link with colleagues internationally. Some of this was published in *Borderlands*: Uof Ottawa Press, 2007), the *International J of Canadian Studies*, *Journal of Borderlands Studies*, etc.; in 2014, this included a seminar at WWU's Canadian Studies Centre and a Global Cities class exchange with Alper at WWU. As well as Seattle field seminars. Heard published *Canadian Constitutional Conventions: The Marriage of Law and Politics*, 2nd.ed., Toronto: Oxford University Press, 2014 and continues work and advice on Canadian Senate reform and other matters of parliamentary reform – including the Speaker's Forum on Legislative reform in BC (2018-2021).

Ongoing work with the Federation of Canadian Municipalities, the Union of BC Municipalities, etc., involved meetings in Vancouver with visiting delegations of local/national government officials from Asia, Africa and Europe on Canadian local governance/intergovernmental relations and local accountability. The FCM's Africa and Asia offices are involved; its African office was involved in a South African Local/Provincial Legislative Leadership Training Program in 2006-9. Some funding for this was provided by Bombardier. An initial Bombardier grant (\$10,000) assisted in starting this project and recent collaboration with BC's Terra Housing also involved a small grant (\$3600) and a conference at SFU-HC. (Stewart/Smith, etc.)

Smith, McBride, Cohen and others applied for a SSHRCC Partnership Grant in 2011-12 – on Democracy and Trust. Smith was proposed PI and the main partner is CCPA – with more than 40 community organizations signed on as collaborating. A revised application was submitted in 2013; it was fundable but not funded. As several of the community partners did not wish to try another re-application, no application was made since but some of the original contributors have held talks about a renewed effort.

Other:

Members of IGS have served on the executives of the BC Political Studies Association and other organizations (Howlett, Summerville, Netherton, Heard, Smith etc); They were part of the organizing committee, and constitutional reform committee- continuing in 2017-2018. BCPSA work will remain an important activity involving a large number of IGS members and represents a significant contribution to disciplinary development in BC.

Members of the Institute of Governance Studies are also called on regularly to comment in the local, national and international media on areas of public policy, public administration and governance. A number, eg Heard, Stewart and Smith have been called upon to present expert advice to legislative/parliamentary committees and to assist Independent Officers of the BC Legislature as well as local governments.

8: The Year Forthcoming

For 2019-20, the work at the Institute of Governance Studies will involve continuing several projects and completing some. Much of the collaboration is ongoing. Colleagues will complete new articles on BC local governance, the City of Vancouver, Cascadia, Borderlands Security, Anti-Terrorism, Public Policy Analysis, Senate Reform, Metropolitan Governance, Federalism, Governance and TOD in BC, etc. In its collaboration with the Think Democracy project, IGS established a small electronic storefront at SFU. This continues to assist in dissemination of related publications such as the Good Governance series volume by Stewart, Think Democracy, published in Spring 2003. and the Terra Incognita: Local Accountability Report completed in 2008 for the Office of Information and Privacy Commission, BC. Subsequent publications by IGS for the BC Ombudsperson, the Office of Registrar of Lobbyists, etc was completed in 2010-2012. Work on Lobbyist Registration is ongoing 2017-2018 >> 2020 currently in collaboration with the City of Vancouver Mayor's Office.

Advice on new legislative proposals for local election financing continued with BC's Municipal Affairs Branch during much of 2014-2015-2017-18. It included meetings, advice, reports and commentary. And culminated in new legislation on the financing of BC's local elections in 2017-18.

-The work of research groups in other areas of policy and governance: as on electoral studies (with scholars at UVic, SUNY-Buffalo, UQAM, St.FX), in Greater Vancouver/BC and elsewhere), on aboriginal governance, (in Canada, USA, New Zealand and Australia), on terrorism (in Europe, Asia and North

America) continues. A proposal to Oxford University Press on voters, parties and elections has been made. It involves a new volume by Gagnon, Bickerton, Smith following the 2019 general election.. In each instance, the expectation remains that the Institute can be involved in the work of research networks and can provide a connection between research by scholars in the university with other scholars outside SFU, with the community and those in government. It is also anticipated that research proposals/grant applications will continue to be forthcoming out of this collaboration.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Speaker's Forum Funding:

Legislative Reform Grant Application: \$75,000

Confirm policy review

Yes

Submitted by:

Patrick Smith

Director's Comments:

Dean's section

Reviewed by:

Lisa Shapiro

Dean's Comments:

The IGS provides the institutional home for the BCPSA, as well as the CPSR (Canadian Political Science Review). A range of projects involve engaging public stakeholders, such as the Good Governance project, the Cascadia-Cross Border Comparative research link, and the Comparative Metropolitan Governance network. The Institute also collaborates with the Federation of Canadian Municipalities. The Institute maintains a directory of all political scientists working in BC. This year, the IGS helped in developing the Local Government Election Finance Act, BC, and hosted a BC Speakers Forum on Legislative reform. Please either forward the existing constitution to fassecc@sfu.ca or develop a Constitution and forward it to fassecc once approved. We have templates to assist you

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Mental Health, Law and Policy Institute	Website:	http://members.psyc.sfu.ca/labs/mhlpi/
Director:	Roesch, Ronald	Faculty:	Arts and Social Sciences
Director's Term End	8/31/2022	Renewal Date	4/1/2021

Details

Description of the Centre/Institute:

The Mental Health, Law, and Policy Institute (MHLPI) was established in 1991 to promote interdisciplinary collaboration in research and training in areas related to mental health, law and policy. Its membership is drawn from the Department of Psychology, the School of Criminology, and the Faculty of Health Sciences at Simon Fraser University as well as government and community agencies in Canada and internationally. The MHLPI has received federal and provincial grants for a variety of research projects in the area of mental health and law, and also sponsors lectures and workshops. The MHLPI also publishes forensic psychology books, including manuals for assessing risk for violence and recidivism, fitness to stand trial, and mental health problems in pretrial jails.

The Centre/Institute's membership and organization structure:

The MHLPI has a director, Professor Ronald Roesch, and a Management Committee (Psychology Professors Kevin Douglas, Marlene Moretti, David Cox, and Stephen Hart, and Criminology Professor Raymond Corrado) that oversee operations of the MHLPI. There are currently 79 members from Simon Fraser University (Department of Psychology, School of Criminology, Faculty of Health Sciences), the province of British Columbia, and from many countries throughout the world (a complete list is attached). A total of 20 countries are represented (Argentina, Australia, Belgium, Canada, China, Colombia, Italy, Lithuania, Mexico, the Netherlands, New Zealand, Nigeria, Norway, Poland, Portugal, Scotland, Spain, Sweden, United Kingdom, and United States). Internationally, the MHLPI has ongoing formal research and training agreements with a number of universities and research centres throughout the world (these agreements were listed earlier in this report). These agreements promote institutional exchange by inviting faculty and staff of the partner institution to participate in a variety of teaching and/or research activities and professional development; organize symposia, conferences, short courses, and meetings on research issues; carry out joint research and continuing education programs; and exchange information pertaining to developments in research and training at each institution. The following agreements are in place:

1. Vrije Universiteit (Amsterdam, The Netherlands)
2. Institute for Forensic Research (Craców, Poland)
3. Department of Psychology, Glasgow Caledonian University
4. Division of Forensic Psychiatry, Karolinska Institute, Stockholm, Sweden
5. Institut Philippe Pinel de Montreal (Quebec)
6. Università Degli Studi di Siena, Siena, Italy
7. ARES Social Research and Policy Implementation Institute, Siena, Italy
8. University of Santiago de Compostela, Spain
9. University of the Basque Country, Clinical Psychology Program, Gipuzkoa, Spain

Most significant accomplishments:

1. The MHLPI publishes a number of forensic assessment instruments that are used in both research and clinical practice throughout the world. Indeed, many of our instruments have been translated into other languages. The HCR20 leads the way, as it has now been translated into 14 languages.
2. The MHLPI previously received a grant from the Canadian Bar Law for the Future Fund. The grant supported costs of developing an MHLPI website for a comprehensive, continuously updated, freely available database of top quality scientific papers about psychology and law for policy makers, stakeholders, the general public, practitioners, and researchers. The grant allowed us to set up the website, and we received a 3-year grant from the American Psychology-Law Society to provide funds for ongoing support of the website (see <http://psychologylawevidence.com/>). We now have a paid coordinator and approximately 20 student volunteers working on updates to the database.
3. The MHLPI continues a collaboration with colleagues in Italy on a study of fitness assessments. The Fitness Interview Test-Revised (FIT-R) was translated into Italian and published by Hogrefe Publishers in 2017. Training of psychologists and psychiatrists to conduct fitness evaluations took place in October 2017, and the evaluators have been conducting fitness evaluations in 2018-19. Funding for this research has been provided by BC Forensic Services. The MHLPI is also developing research projects with the Ontario Correctional Services to focus on jail mental health screening using the Jail Screening Assessment Tool, a forensic assessment instrument developed and published by the MHLPI.

Events, workshops, public outreach events:

The MHLPI hosted a 17-person delegation from the Norway Correctional Services for a week-long visit to BC in March 2019. The delegation was led by MHLPI member Leif Waage, Deputy Regional Director of the Norwegian Correctional Service. The MHLPI hosted a one-day conference presenting the research of MHLPI members. Presenters included MHLPI members Ron Roesch, Kevin Douglas, Stephen Hart, Ray Corrado, Jodi Viljoen, and Tonia Nicholls. The MHLPI also arranged for delegate visits to BC provincial and federal corrections institutions for both juveniles and adults.

The MHLPI cosponsored the International Association of Forensic Mental Health Services conference in Antwerp, Belgium in 2018, and co-sponsors the upcoming IAMHS conference in Montreal, June 23-26. The Director of the MHLPI will receive the Rüdiger Müller-Isberner Award from IAFMHS. The award is given annually to "a long-standing member of the association whose career epitomizes the fusion of clinical practice, scholarly research, and mentorship."

Professor Roesch represented SFU and the MHLPI as a member of the Canadian Psychological Association Criminal Justice Taskforce. The Taskforce prepared a position paper for the CPA on the assessment of fitness to stand trial and criminal responsibility. The position paper was submitted to the federal government to advocate for changes to the Criminal Code to allow for a greater role for psychologists in these assessments. The entire nine-person Taskforce received the Canadian Psychological Association John C. Service Member of the Year Award in 2018, and a journal article version of this report was published in 2019 (Roesch et al., 2019. Fitness to stand trial and criminal responsibility assessments: Advocating for changes to the Canadian Criminal Code. Canadian Psychology. Online First Publication, February 25, 2019. doi: 10.1037/cap0000173.).

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

2018—2019 Simon Fraser University Open Educational Resources Grant for the Development of Forensic Psychology and Law Course Resources (\$4995).

2016—2019 American Psychology-Law Society for support of the Psychology-Law Evidence Database (PLED) (Alana Cook, Ronald Roesch, and Patricia Zapf, \$40,300).

Confirm policy review

Yes

Submitted by:

Ronald Roesch

Director's Comments:

The MHLPI continues to provide a resource for SFU faculty and students and connections to similar institutes in Canada and Europe. We are pleased to support graduate student involvement in conferences. This past year we provided funding for over 15 graduate students to attend conferences in Portland, Oregon and Split, Croatia. Our publications continue to provide a resource for colleagues throughout the world who conduct forensic assessments of violence risk, fitness to stand trial, family violence, stalking, and identification of mental health needs of jail inmates. We are currently revising our webpage and plan to launch it this summer.

Dean's section**Reviewed by:**

Lisa Shapiro

Dean's Comments:

The MHLPI facilitates research and training collaborations between members, locally, nationally and internationally, by publishing a number of forensic assessment tools used internationally as both research and clinical practice tools. Increasingly it has had a growing international reach. The website that the MHLPI received from the Canadian Bar Law for the Future Fund is continuing to be updated and maintained through a 3 yr grant from the American Psychology-Law Society. MHLPI hosted a delegation from Norway Correctional Services on a visit to BC. MHLPI cosponsored an international conference in Belgium, as well as the IAMHS Conference in Montreal. Director Ron Roesch was a member of the CPA Criminal Justice Taskforce, which prepared a position paper on fitness to stand trial and criminal responsibility. MHLPI remains fiscally stable. It has been able to provide support for graduate student travel to conferences.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Stavros Niarchos Foundation Centre for Hellenic Studies

Website: <http://www.sfu.ca/hellenic-studies/snf-centre-for-hellenic-studies.html>

Director: Krallis, Dimitris

Faculty: Arts and Social Sciences

Director's Term End 8/31/2019

Renewal Date 4/1/2021

Details

Description of the Centre/Institute:

The SNF Centre for Hellenic Studies was established in 2011 at Simon Fraser University through a multimillion-dollar grant by the Stavros Niarchos Foundation. Situated atop Burnaby Mountain, just east of downtown Vancouver, the Centre is a major site for Hellenic Studies in North America and is committed to the advocacy and study of Hellenism.

The Centre supports the Hellenic Studies Program at SFU which offers undergraduate courses in Ancient, Byzantine, Early Modern and Modern Greek History, in addition to Archaeology and Greek language training. Graduate students working with our faculty receive significant financial support as well as teaching and publication opportunities.

The SNF New Media Lab, through the creation of the intelligent language tutor, has forged new methods for language learning and language preservation. The Centre also has partnerships across the United States and is leading the way in the expansion of Hellenic Studies to China.

The Centre/Institute's membership and organization structure:

The Centre is governed by an Advisory Committee whose task it is to determine the overall direction of the Centre and to oversee the management of its operations. The Advisory Committee normally meets once each in the Fall and Spring semesters and is chaired by the Director, who is responsible for the day-to-day operations of the Centre.

Membership of the Centre is comprised of faculty members from the Hellenic Studies Program and the Department of Archaeology at SFU, whose research interests align with the overall mission of the Centre. Additionally, the Centre recently opened its membership to graduate students as Graduate Student Affiliate Members. This membership opens up opportunities for participation in conferences and symposia, as well as publication assistance to students. In addition, while graduate students are enrolled in academic programs in other units at SFU (presently the Departments of History and Archaeology), the Centre is responsible for their funding support packages.

The current director, Dr. Dimitris Krallis takes over from the Centre's inaugural director, Dr. André Gerolymatos, who passed away earlier this year.

Most significant accomplishments:

> Third Annual Edward and Emily McWhinney Memorial Lecture: Dr. Dimitris Papadimitriou – Professor of Politics at the University of Manchester and Director of the Manchester Jean Monnet Centre of Excellence – presented this year's McWhinney lecture to a community audience, entitled "Bailout Legacies: The Imprint of the Greek Economic Crisis on the European Union." The Centre will welcome the inaugural holder of the Edward McWhinney Professorship in International Relations in September 2019, who will take up the organization of this signature annual lecture going forward.

> Hellenisms Past and Present, Local and Global Postdoctoral Fellowship Launched: In fall 2018, the Centre launched a search for a new postdoctoral fellowship to be held in the 2019/2020 academic year. Following a competitive search, the Centre selected Dr. Andreas Avgousti from an impressive pool of candidates. Dr. Avgousti studied political science at Columbia University, where he received his PhD in 2015 and holds a BSc (First Class) and an MSc (Merit) from the London School of Economics and Political Science. During his time at the Centre, Dr. Avgousti will finalize his book manuscript, entitled Recovering Reputation: Plato and Demotic Power, which is currently under review at Oxford University Press.

> Rebooting the Greek Language: The project team in the SNF New Media Lab successfully completed Phase I of the \$2M project to create a suite of apps for teaching and learning the Modern Greek Language in the Diaspora. The team has welcomed two cohorts of young computer science / design interns from Greece, who have completed entrepreneurial training at SFU's VentureLabs. The team has also been active in the community, running workshops and pilot programs, and getting feedback from educators. A year-one report was submitted to and approved by the funders, the Stavros Niarchos Foundation, resulting the second and final tranche of funding being released.

Notable media successes

> The June 2018 Rebooting the Greek language workshop in Athens received significant national media attention in Greece, with coverage across all the major networks and additional interviews and features appearing across print media. The presence of the Greek Minister of Education, Kostas Govroglu, was a significant driver for interest in the workshop.

>Social media accounts:

Facebook: @sfuhellenic

Twitter: @sfuhellenic

Instagram: @sfuhellenic

Events, workshops, public outreach events:

> Visiting scholar program: the Centre welcomed two visiting scholars to the Centre from the University of Belgrade, who arrived separately in January 2019. Dr. Milena Repajić, a Research Assistant in Byzantine Studies an expert on Michael Psellos' eleventh-century historical writing was followed by Dr. Larisa Vilimonović, an Assistant Professor of Byzantine History and author of Structure and Features of Anna Komnene's Alexiad: Emergence of a Personal History from Amsterdam University Press' Central European Medieval Studies Series. Both scholars presented their research as part of the Centre's regular seminar series, below.

> Fall and Spring seminar series: the Centre continued its tradition of bi-weekly research seminars throughout the Fall and Spring semesters, featuring presentations on a range of Hellenic topics in the fields of Archaeology; Classics; Byzantine, Ottoman, and Modern Greek History; as well as Literary and Cultural Studies. In addition to faculty and graduate members of the Centre, we also welcomed local scholars from Douglas and Langara Colleges, and the University of British Columbia, as well as visitors from the University of Belgrade and Rutgers University – Newark.

> Virgin without borders conference: the Centre invited an international group of scholars for a conference on the emergence of the cult of the Virgin Mary in Byzantium, Egypt, and Syria. The keynote lecture was delivered by Dr. Niki Tsironis (Institute of Historical Research at the National Hellenic Research Foundation in Athens, Greece) and was entitled "Female Deities of the Eastern Mediterranean and the Emergence of the Cult of the Virgin Mary." The final day of the conference featured a workshop on a digital humanities collaboration called The Digital Mary Project, that included participation from the Digital Humanities Innovation Lab at SFU.

> Greece's cultural heritage lecture: the Centre invited Olga Kefalogianni, a former Minister of Tourism of Greece and member of the Greek Parliament, for a public lecture at the Museum of Vancouver on Greece's cultural heritage, sustainable development, and the economic promise of tourism. The talk was followed by an informal panel discussion with Dr. Dimitris Krallis and Ms. Kefalogianni. The audience was also given the opportunity to ask questions of the visiting MP.

> Third annual Edward and Emily McWhinney memorial lecture: Dr. Dimitris Papadimitriou – Professor of Politics at the University of Manchester and Director of the Manchester Jean Monnet Centre of Excellence – presented this year's McWhinney lecture to a community audience, entitled "Bailout Legacies: The Imprint of the Greek Economic Crisis on the European Union."

> Rebooting the Greek language community outreach: an important part of the Rebooting the Greek Language project, supported by a \$2M grant from the Stavros Niarchos Foundation, is a community outreach program that engages with teachers and parents in the Greek diaspora community. The project has therefore held events in Athens (June 2018); Philadelphia (December 2018); and Vancouver (January 2019). We were fortunate to have been joined by the Greek Minister of Education, Kostas Govrogliu at the Athens event.

Additional documents:

[62-E432474-FY1819.pdf](#)

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Chris Dickert

Director's Comments:

I am writing in my capacity as Acting Director of the Centre, as I await confirmation of my position as director, after the passing of our long time director and founder André Gerolymatos.

These past 9 months have been a period of adaptation and transition, as the Centre has sought to take stock of all that we have achieved over the years, while also conducting a full re-assessment of our budgets and operations with an eye to even more impactful programming.

We are convinced that evidence of these adjustments will be plain for everyone to see in next year's report. We have committed to an expansion of our speaker series, new collaborative lectures with the Centre for Comparative Muslim Studies at SFU, and to a series of exciting international workshops with Rutgers Newark. Overall we are looking forward to yet another productive and impactful year, even as we seek to fill the void left (and the position held) by the late Dr. Gerolymatos.

Sincerely,
Dimitris Krallis
Associate Professor
Acting Director | Hellenic Studies
Simon Fraser University | Academic Quadrangle 6195
8888 University Dr., Burnaby, B.C. V5A 1S6
T: 778.782.7625 | M: 778.228.0218 |

Dean's section**Reviewed by:**

Lisa Shapiro

Dean's Comments:

The SNF Centre for Hellenic Studies collaborates with the SNF New Media Lab and the Hellenic Studies Program. The Centre hosted the third annual McWhinney Lecture by Dr. Dimitris Papadimitrou (Manchester) who presented on the Greek Economic crisis and the EU. It launched a new postdoctoral fellowship program, and with the SNF New Media Lab, completed a suite of apps to teach modern greek language. The Centre hosted two visiting scholars, a biweekly research seminar, hosted a conference on the emergence of the cult of the Virgin Mary, and sponsored a number of public lectures. With the recent death of founding Director Andre Gerolymatos, under the new Director Dimitris Krallis the Centre is rethinking its strategy in an effort to have even more impact. As part of this effort, the Centre may want to revisit its constitution, to change the name of the Advisory Committee to a Steering Committee, to consider a community based Advisory committee, to specify a category of member with conditions of membership. A template of a slightly more complex constitution can be provided on request. The centre is supported by an endowment and its financials are healthy.

SFU FAST System

Printed: 6/21/2019

Report Filter: User: mhatziga Fund: 62 Endowment Support Project: E432474 Stavros Niarchos FdnPeriod: Mar-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4124	Corp - Gift	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4164	Nonprofit - Gift	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4260	Conference Registratn Revenue	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4440	Interest Income LT - General	0.00	0.00	0.00	0.00	-384,404.72	0.00	384,404.72
4899	Other Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	-384,404.72	0.00	384,404.72
Expenses								
5134	Lecturer/Senior Lecturer	0.00	0.00	0.00	0.00	80,042.72	0.00	-80,042.72
5154	Limited Term	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5162	Sessional Instructor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5285	Acad Salary-Internal Recovery	0.00	0.00	0.00	0.00	84,356.95	0.00	-84,356.95
5372	Hourly Staff - Student	0.00	0.00	0.00	0.00	25,396.91	0.00	-25,396.91
5416	Salaries Research Assoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5430	Sals Non-Students RA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5442	Sals Doctorate RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5562	Wages/Temp Non-Union/Prof	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5576	Sals Cupe Temp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5842	Speaker and Consult Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5844	Invited Speakers Honoraria	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	0.00	15,464.76	0.00	-15,464.76
5922	Benefits - Internal Recovery	0.00	0.00	0.00	0.00	15,291.03	0.00	-15,291.03
6000	Offic Classroom Equip under 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00	133.27	3,975.52	0.00	-3,975.52
6116	Books and Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6120	Lab Equipment and Supplies	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
6164	Software License and Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6512	Postage Courier and Delivery	0.00	0.00	0.00	0.00	2,023.34	0.00	-2,023.34
6514	Customs and Brokerage	0.00	0.00	0.00	0.00	50.76	0.00	-50.76
6516	Service Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6532	Membership Fees - Institutionl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6616	Performers and Artists Fees	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00	0.00	639.44	0.00	-639.44
6660	Telecommunication Charges	0.00	0.00	0.00	540.85	1,473.80	0.00	-1,473.80
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6664	Cell Phone Charges	0.00	0.00	0.00	0.00	1,738.42	0.00	-1,738.42
6712	Food Services and Catering	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6749	Contract Services - Other	0.00	0.00	0.00	3,557.75	31,511.50	7,115.50	-38,627.00
6772	Equipment and Furniture Rentl	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6999	Internal Expense Transfer	0.00	0.00	0.00	16,033.82	16,033.82	0.00	-16,033.82
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	9,343.94	0.00	-9,343.94
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7022	Non-Employee Field Travel Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7030	Visitor Travel Expenses	0.00	0.00	0.00	0.00	304.52	0.00	-304.52
7040	Conference Registration	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7044	Membership Fees - Individuals	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7050	Meals Expenses	0.00	0.00	0.00	0.00	19.62	0.00	-19.62
7060	Recruiting Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7416	Parking Services Charges	0.00	0.00	0.00	0.00	309.52	0.00	-309.52
7418	Print-Digital Svcs Intrnl Chrg	0.00	0.00	0.00	93.75	6,776.06	0.00	-6,776.06
7430	Creative Svcs Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7450	Facilities Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7460	Safety Risk Services Charges	0.00	0.00	0.00	0.00	-20.00	0.00	20.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
7468	Information Services Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7500	Internal Recoveries - General	0.00	0.00	0.00	0.00	58,263.34	0.00	-58,263.34
7650	Student Support	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7915	Budget Balance Forward	0.00	92,551.08	92,551.08	0.00	0.00	0.00	92,551.08
	Subtotal	0.00	92,551.08	92,551.08	20,359.44	352,995.97	7,115.50	-267,560.39
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	92,551.08	92,551.08	20,359.44	-31,408.75	7,115.50	116,844.33

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre d'études francophones
Québec-Pacifique

Website:

Director: Guilbault, Christian

Faculty: Arts and Social Sciences

Director's Term End

Renewal Date 4/1/2022

Details

Description of the Centre/Institute:

The centre's mandate is to further understand and disseminate the French language, literature, and culture on the Pacific Coast. It also serves as a repository for unusual and rare documents related to the French culture on the west coast of Canada.

The Centre/Institute's membership and organization structure:

There is a director and regular members of the Centre; members of the centre come both from other units at SFU and other universities in Québec.

Most significant accomplishments:

The Centre is currently in the process of redefining its mandate and upgrading its membership in order to fulfill its original mandate. The original mandate is also being examined to see if it needs to be reformulated or shifted to better reflect the expertise of researchers in the Department of French.

Notable media successes

n/a

Events, workshops, public outreach events:

n/a

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Christian Guilbault

Director's Comments:

The Centre is not currently costing anything to the university. The one room that hosts the documentation gathered over the years is shared with our student advisor. At this point, the Department of French would like more time to properly determine what should be done with this centre and how to change its mandate to better suit the fields of expertise of the researchers in the department.

Dean's section

Reviewed by:

Lisa Shapiro

Comments:

The Centre is reconsidering its mandate, and equally, rethinking how it can strive to achieve both its current and any new mandate. FASS welcomes this initiative to have the Centre engage in more meaningful activities. As part of its efforts it should develop a constitution, or forward any existing constitution to fasssec. A template can be provided if needed.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	The SFU Morgan Centre for Labour Research	Website:	No website yet: see http://www.sfu.ca/labour/research.html
Director:	Strauss, Kendra	Faculty:	Arts and Social Sciences
Director's Term End	4/1/2021	Renewal Date	4/1/2023

Details

Description of the Centre/Institute:

The SFU Morgan Centre's goals are:

- 1) To promote and undertake research in areas related to working people and their organizations in British Columbia, Canada and the global economy;
- 2) to generate and disseminate knowledge about the B.C. labour market, its regulation, and the issues facing workers in our province;
- 3) to facilitate links with labour unions and labour researchers in Canada and abroad;
- 4) to undertake community-based projects with labour- movement partners in B.C. and beyond; and,
- 5) to provide an institutional home in FASS for researchers, post-doctoral fellows, graduate and undergraduate students in the field of Labour Studies and related disciplines.

The Centre/Institute's membership and organization structure:

The Labour Studies Program has a unique governance structure, comprising an academic steering committee and non-academic advisory committee. SC members are associate members of the Program. During the Centre's first term, the Program Director will also serve as the Director of the Centre, and the Program Steering Committee serves as the Centre's Steering Committee.

Most significant accomplishments:

The Centre was approved in January 2019. Since then, we have a) started the process of creating a visual identity for the Centre, b) applied (successfully) for, through the Centre's Director, a SSHRC Partnership Engage Grant, and c) held a community knowledge exchange event in May 2019 on precarity in BC. We also successfully partnered with the CCPA-BC on a Vancouver Foundation grant, which funded the knowledge exchange event.

Events, workshops, public outreach events:

- CCPA/SFU community knowledge exchange event on precarity in BC

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Vancouver Foundation Grant, \$20k (these funds are administered by the CCPA as the main applicants)
SSHRC Partnership Engage Grant, \$25k

Confirm policy review

Yes

Submitted by:

Kendra Strauss, Director

Director's Comments:

We have not yet spent any Centre funds, nor have we yet created a Centre account, so a Financial Statement is not attached for this financial year (to March 21st, 2019). We will submit one as per the policy in 2020.

Dean's section**Reviewed by:**

Lisa Shapiro

Comments:

The Centre is off to a promising start, since its approval in January 2019, having already succeeded in securing external funds for support a CCPA/SFU event involving knowledge exchange on precarity of labour in BC.

Type of Report

Annual Report

Reporting Year

2019

Details**Name of the Centre or Institute:**

CPA Innovation Centre

Website:<http://beedie.sfu.ca/cpa-centre/>**Director:**

McCarthy, Ian

Faculty:

Beedie School of Business

Director's Term End

8/31/2018

Renewal Date

4/1/2022

Description of the Centre/Institute

The Centre's mission is to facilitate and support high quality research on innovation studies that will be internationally recognized for its interest and value to practitioners, policy makers and scholars. This mission revolves around three core objectives and related activities:

- To help establish collaborative research initiatives that will produce and synthesize knowledge on the processes and management of innovation.
- To disseminate new knowledge and augment existing knowledge by hosting and organizing events (e.g., seminars, workshops and conferences) for researchers and practitioners concerned with innovation studies.
- To build and support a community of people from academia, industry and government who are concerned with the processes

The Centre/Institute's membership and organization structure

Centre Director:

- Dr. Ian McCarthy, Beedie School of Business

Centre Advisory Board Members:

- Mr. Gord Beal, Vice-President, Research, Guidance and Support, Chartered Professional Accountants of Canada
- Dr. Stephanie Bertels, Associate Director of the CPA Innovation Centre, Beedie School of Business
- Mr. Kirk Hill, Assistant Dean, External Relations, Beedie School of Business
- Ms. Brenda Lautsch, Beedie School of Business
- Ms. Maureen Fizzell, Beedie School of Business
- Dr. Ian McCarthy, Beedie School of Business
- Ms. Barb Martineau, Senior Associate Director, Advancement, Beedie School of Business
- Ms. Vinetta Peek, Executive Vice President, Marketing & Business Development, Chartered Professional Accountants of British Columbia.

SFU Centre Members:

Membership is through participating in Centre activities and/or receiving support from the Centre

- Elicia Maine, SFU, Beedie School of Business
 - David Hannah, SFU, Beedie School of Business
 - Leyland Pitt, SFU, Beedie School of Business
 - Danny Shapiro, SFU, Beedie School of Business
 - Michael Parent, SFU, Beedie School of Business
 - Peter Klein, SFU, Beedie School of Business
 - Maureen Fizzell, SFU, Beedie School of Business
 - Gervase Bushe, SFU, Beedie School of Business
 - Craig Emby, SFU, Beedie School of Business
 - David Thomas, SFU, Beedie School of Business
 - Mark Wexler, SFU, Beedie School of Business
 - Aidan Vining, SFU, Beedie School of Business
 - Eric Gedajlovic, SFU, Beedie School of Business
 - Andrew Gemino, SFU, Beedie School of Business
 - Jeremy Hall, SFU, Beedie School of Business
 - Johnny Jermias, SFU, Beedie School of Business
 - Jan Henrik Kietzmann, SFU, Beedie School of Business
 - Blaize Reich, SFU, Beedie School of Business
 - Karen Ruckman, SFU, Beedie School of Business
 - Pek-Hooi Soh, SFU, Beedie School of Business
 - Christina Atanasova, Beedie School of Business
 - Ian McCarthy, Beedie School of Business
 - Andrey Pavlov, Beedie School of Business
 - Mila Lazarova, Beedie School of Business
 - Karel Hrazdil, Beedie School of Business
-
- Mark Collard, Department of Archaeology, SFU
 - Brian Wixted, CPROST, SFU
 - Anil Hira, Department of Political Science, SFU

Most significant accomplishments:

The Centre funding is coming to an end, and thus the status of the Centre remains largely as presented in the previous year's report.

A report on renewal options was developed and submitted to the Dean. The School is still considering to what extent this Centre and its other research Centres will play in the School's new mission and values, which include innovation. Consequently, the Centre's activities and accomplishments have slowed in the last year relative to previous years. The focus has been on supporting existing researchers and research projects in their work on innovation.

The three most notable outputs during this period would be:

1. The continued support of Beedie doctoral students. Since 2012, about 40% the Centre has been used to provide annual scholarships to doctoral students. This support has been an essential and major funding component for the PhD program at the Beedie School of Business and these students.
2. The publication of research in leading business journals and conferences continues to be extensive and impactful. In addition to numerous journal publications, the Centre has supported research presented at seminars and conferences across the world.
3. The start of research projects on big data and innovation, industry evolution, and industry-university innovation collaborations between Beedie Researchers and researchers at the Southern Denmark University, and Libera Università Internazionale degli Studi Sociali Guido Carli.

The Centre plans to operate for another year at the same level of activity.

Any notable media successes?

None

Events, workshops, public outreach events

Seminar: Bridging the Global Digital Divide – Using Mobile Technology for Better Decisions in Mining and Manufacturing Contexts, by Vera Belazelkoska, Director of Programs and Partnerships at Ulula. 27 Feb 2018

Workshop: Leading Change and Innovation for Teck Resources, Fernie, 19th – 20th Feb 2018

Workshop: Leading Change and Innovation for Teck Resources, Vancouver, 28th – 29th May 2018

Keynote Talk: Fraser Health Engagement Summit: The Future is Us, by Ian McCarthy, 8th Feb 2018

Seminar: Propensity and speed of licensing at Libera Università Internazionale degli Studi Sociali Guido Carli, by Ian McCarthy, 19th April 2018

Seminar: Open Branding: Managing the Unsanctioned Use of Brand-related Intellectual Property at the The Science Policy Research Unit (SPRU) by Ian McCarthy 2nd Nov 2018

Workshop: Change and Innovation for the All Nations Trust Company, 27th Oct 2019

Financial Summary**Does your institute receive direct financial support from the university?**

Yes

SFU Account Number

N876111

Opening Balance

\$47,839.85

Revenues

\$0.00

Expenditures

\$20,661.15

Closing Balance

\$27,178.70

Financial Report

[11-N876111 CPA 2018.pdf](#)

Financial Contributions from the University

None

List of major equipment provided by the University

None

University Personnel

Annually, \$10,000 is deducted from the Centre by the School compensate for staff time spent supporting the Centre. This includes, but is not limited to support in the areas of administration, finance, and the organization of visitors.

Given the remaining funding balance is just \$25,000, the Centre will not make this annual payment for 2019 and onward.

Space provided by the University

None

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence?

No

Submitted by:

Ian McCarthy

Comments:

It has been a pleasure to serve as Director of the Centre, and I am willing to continue in this role.

Dean's Section

SFU FAST System

Printed: 6/7/2019

Report Filter: User: elainex Fund: 13 Internal Research (OR) Project: N876111 CPA Innovation CentrePeriod: Mar-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4899	Other Revenues	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses								
5160	Sessional Lecturer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5285	Acad Salary-Internal Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5372	Hourly Staff - Student	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5374	Instructional Specialists	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5430	Sals Non-Students RA	0.00	0.00	0.00	400.00	5,080.00	0.00	-5,080.00
5432	Sals Undergrad RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5438	Sals Masters RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5562	Wages/Temp Non-Union/Prof	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5780	Support Staff-Internal Charge	0.00	0.00	0.00	1,192.57	11,192.57	0.00	-11,192.57
5834	Stipends-Adm-Instr and Res	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5862	Subject Payments - AP Only	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	29.19	352.83	0.00	-352.83
5920	Benefits - Internal Charge	0.00	0.00	0.00	96.01	96.01	0.00	-96.01
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00	0.00	147.10	0.00	-147.10
6116	Books and Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6164	Software License and Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6512	Postage Courier and Delivery	0.00	0.00	0.00	0.00	30.06	0.00	-30.06
6514	Customs and Brokerage	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6590	Grants to Other Organizations	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00	0.00	308.55	0.00	-308.55
6660	Telecommunication Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6664	Cell Phone Charges	0.00	0.00	0.00	0.00	39.88	0.00	-39.88
6670	Internet Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6912	New Faculty Startup Expenses	0.00	6,589.12	6,589.12	0.00	0.00	0.00	6,589.12
6916	Facility and Event Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6999	Internal Expense Transfer	0.00	-10,000.00	-10,000.00	0.00	0.00	0.00	-10,000.00
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	3,339.15	0.00	-3,339.15
7002	Employee Field Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7022	Non-Employee Field Travel Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7030	Visitor Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7040	Conference Registration	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7044	Membership Fees - Individuals	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7050	Meals Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7468	Information Services Charges	0.00	0.00	0.00	25.00	75.00	0.00	-75.00
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7610	Scholarships	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7915	Budget Balance Forward	0.00	51,250.73	51,250.73	0.00	0.00	0.00	51,250.73
	Subtotal	0.00	47,839.85	47,839.85	1,742.77	20,661.15	0.00	27,178.70
	Total	0.00	47,839.85	47,839.85	1,742.77	20,661.15	0.00	27,178.70

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Corporate Governance and Sustainability

Website: <http://beedie.sfu.ca/ccgs/>

Director: Bertels, Stephanie

Faculty: Beedie School of Business

Director's Term End 3/31/2018

Renewal Date 4/1/2022

Details

Description of the Centre/Institute:

The Centre's mandate is to provide innovative, rigorous, and practically relevant research on corporate governance and sustainability. More specifically, the Centre's mandate focuses on how global companies navigate changing governance obligations including the need to address environmental and social obligations. The Centre facilitates and disseminates research through its own research program including the research of its Director, Fellows and Research Associates.

The Centre also has a mandate to bridge international research and practice in the areas of governance and sustainability through the development of resources and tools for practitioners, seminars, public dialogues, conferences, visiting scholars and the Centre's website. In executing on this mandate, the Centre also seeks to facilitate productive national and international knowledge exchange among scholars and practitioners addressing corporate governance and sustainability issues.

The Centre/Institute's membership and organization structure:

The Centre encompasses two major research projects: the Embedding Project and the Next Generation Governance Project (sponsored by CPA Canada). Each research project is overseen by its own advisory board comprised of leading academics and practitioners with experience in sustainability and governance.

The Centre's research is supported by a team of leading academics from a range of international academic institutions.

For a full list the Centre's membership and organizational structure, please see the attached document.

Most significant accomplishments:

The Embedding Project brings together an international community of researchers and practitioners to develop and pilot rigorous but practical guidance on embedding sustainability that benefits everyone. This year, we have attracted an additional \$143,860 from industry partners to support the objectives of the 7-year, \$2.5 million SSHRC Partnership Grant we were awarded last year. We have also successfully held four meetings of the North American and South African Peer-to-Peer Networks, and presented our research to hundreds of sustainability practitioners at four major international conferences (listed below in the "Community Engagement Activities" section).

Climate position statement guide for boards. Building on our and funded through our partnership with CPA Canada, we developed a publicly available guide for boards on how to craft a climate position statement. The guide will be released in early July 2019.

Student engagement. The Centre supports NetImpact helping them to host another highly successful MBA Sustainability Case competition with a live case from Embedding Project partner, QuadReal. We also supported both student funds (SIAS and BEAM) in developing ESG analysis strategies for bringing responsible investment into their portfolio management processes.

Notable media successes

N/A

Events, workshops, public outreach events:

Please see the attached document for detailed descriptions of the activities.

CENTRE ACTIVITIES:

Contracting Beyond the Market: Property Rights, Externalities, Historical Conflict, and Contractual Agreements between Firms and Nonmarket Stakeholders (November 15, 2018).

Economic Research into the Causes and Consequences of the U.S. Opioid Epidemic (February 11, 2019).

STUDENT ENGAGEMENT:

Net Impact SFU Sustainability Challenge (March, 2019)

Supporting SIAS BEAM funds in integrating ESG

ENGAGING WITH PRACTICE:

Meeting of the Embedding Project South African Peer-to-Peer Network: May 2018 (Johannesburg, South Africa).

Meeting of the Embedding Project South African Peer-to-Peer Network: October 2018 (Stellenbosch, South Africa).

Meeting of the Embedding Project North American Peer-to-Peer Network: November 2018 (Vancouver, BC). Partnering for Community Resilience. (February, 2019)

Meeting of the Embedding Project North American Peer-to-Peer Network. (March 2019)

Next Generation Governance: Developing a Climate Position Statement

Additional documents:

[CCGS 2019 Annual Report.pdf](#) (attachment below)

Financial Summary**Does your institute receive direct financial support from the University?**

Yes

SFU Account Number

N876112

Opening Balance:

\$4,308.33

Revenues:

\$95,691.67

Expenditures:

\$32,125.00

Closing Balance:

\$67,875.00

Financial Report:

[CCGS Financial Statement 2019.xlsx](#) (attachment below)

Financial Contributions from the University

Annual top up of \$45,691.67 from original donor fund.
CPA Canada \$50,000.00

List of major equipment provided by the University

None

University Personnel

Part time program assistant (Bonnie Kwan) to provide administrative support.

Space provided by the University

Office space (Room 4935 at Segal)

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

\$143,860 total industry funding to support the Embedding Project and the objectives of the SSHRC Partnership Grant.

Confirm policy review

Yes

Submitted by:

Stephanie Bertels

Director's Comments:

It has been a pleasure to be a director of the Centre for Corporate Governance and Sustainability again this year. We look forward to a continued productive research agenda, further engagement with students, and continued engagement with the corporate world going forward.

Dean's section

Reviewed by:

Carolyn Egri, Associate Dean, Research and International

Comments:

This Centre is a model for applied research, knowledge dissemination, and community engagement. It is supported by external donors as well as significant grant funding. During the past year, the Centre has been very productive with an active agenda of community engagement events (e.g., peer-to-peer network meetings, conferences), supporting student events/activities, and producing resource materials (e.g., Climate position statement guide for boards). The Centre's Embedding Project received two awards during this period: the 2018 Academy of Management's inaugural International Impactful Collaboration Award for its practical and scholarly impact, and a 2018 Clean50 Top Project award. We are fully supportive of its Director, Stephanie Bertels, and the work of this Centre.

Report Filter:
Fund: 13
Project: N876112

User: apfabbro
Internal Research (OR)
CIBC Centre For Corp Governance

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-19 Cur Month	Mar-19 YTD Actuals	O/S Encumb.	Balance Available
Expenses								
5280	Acad Salary-Internal Charge	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5372	Hourly Staff - Student	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5430	Sals Non-Students RA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5446	Sals Post-Doc RA Foreign	0.00	0.00	0.00	0.00	402.30	0.00	-402.30
5780	Support Staff-Internal Charge	0.00	0.00	0.00	0.00	10000.00	0.00	-10000.00
5834	Stipends-Adm-Inst and Res	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	0.00	32.10	0.00	-32.10
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6116	Books and Publications	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6164	Software License and Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6512	Postage Courier and Delivery	0.00	0.00	0.00	0.00	21.67	0.00	-21.67
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6590	Grants to Other Organizations	0.00	0.00	0.00	5000.00	6968.09	0.00	-6968.09
6610	Consulting Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6660	Telecommunication Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6910	General Program Costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6912	New Faculty Startup Expenses	0.00	95691.67	95691.67	0.00	0.00	0.00	95691.67
6999	Internal Expense Transfer	0.00	-7905.22	-7905.22	0.00	0.00	0.00	-7905.22
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	9453.52	0.00	-9453.52
7002	Employee Field Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	3344.93	0.00	-3344.93
7030	Visitor Travel Expenses	0.00	0.00	0.00	0.00	353.22	0.00	-353.22
7040	Conference Registration	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7050	Meals Expenses	0.00	0.00	0.00	287.93	419.69	0.00	-419.69
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	1021.39	0.00	-1021.39
7468	Information Services Charges	0.00	0.00	0.00	0.00	50.00	0.00	-50.00
7499	Internal Charges - Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7862	Credit Card Charges	0.00	0.00	0.00	58.09	58.09	0.00	-58.09
7915	Budget Balance Forward	0.00	4308.33	4308.33	0.00	0.00	0.00	4308.33
Subtotal		0.00	92094.78	92094.78	5346.02	32125.00	0.00	59969.78
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	92094.78	92094.78	5346.02	32125.00	0.00	59969.78

Membership and Organizational Structure

External Advisory Board

Member Name	Institution	Position
Gigi Dawe	CPA Canada	Principal and leader, corporate governance and oversight
Jamie Grey-Donald	QuadReal	SVP Sustainability
Esther Speck	lululemon athletica	VP Sustainability
Nathan Maycher	Suncor	Director, Climate Change

Centre Members

Member Name	Institution	Department
Eric Werker	SFU	Beedie School of Business
Chang Hoon Oh	SFU	Beedie School of Business
Dara Kelly	SFU	Beedie School of Business
Daniel Shapiro	SFU	Business
Jennifer Howard-Grenville	University of Cambridge	Judge School of Business
Ralph Hamann	University of Cape Town	Graduate School of Business

Community Engagement Activities

CENTRE ACTIVITIES

Invited talks:

Contracting Beyond the Market: Property Rights, Externalities, Historical Conflict, and Contractual Agreements between Firms and Nonmarket Stakeholders (November 15, 2018).

Organized by the Centre for Corporate Governance and Sustainability at SFU Beedie School of Business, this event featured a presentation by Dr. Sinziana Dorobantu of the New York University Stern School of Business. The topic was the emergence of contractual agreements between firms and a nonmarket stakeholders and how they influence the potential for conflict, specifically in the context of indigenous communities and mining firms in Canada. It was attended by 33 people.

Economic Research into the Causes and Consequences of the U.S. Opioid Epidemic (February 11, 2019). Organized by the Centre for Corporate Governance and Sustainability at SFU Beedie School of Business, this event featured a presentation by Stanford economist Dr. Molly Schnell on the findings of three recent papers on the U.S. opioid epidemic, which highlight the difficulties that policy makers, public health workers, and the medical community face in designing policies to limit the supply of opioids available for misuse while maintaining access to compassionate care. It was attended by 39 people.

Student Engagement:

Net Impact SFU Sustainability Challenge (March, 2019) Case competition hosted by SFU Beedie NetImpact Chapter, at the Segal Graduate School of Business building in downtown Vancouver, BC with a live case by QuadReal.

Supporting SIAS BEAM funds in integrating ESG

Engaging with Practice:

Meeting of the Embedding Project South African Peer-to-Peer Network: May 2018 (Johannesburg, South Africa). South African partner companies of the Embedding Project met to pilot new tools under development supporting strategy development.

Meeting of the Embedding Project South African Peer-to-Peer Network: October 2018 (Stellenbosch, South Africa). South African partner companies of the Embedding Project met to discuss their internal progress and challenges in embedding sustainability into strategy and operations.

Meeting of the Embedding Project North American Peer-to-Peer Network: November 2018
(Vancouver, BC). North American partner companies of the Embedding Project met to pilot tools on corporate contributions to community resilience.

Meeting of the Embedding Project North American Peer-to-Peer Network: March 2019
(Vancouver, BC). North American partner companies of the Embedding Project met to pilot tools on corporate contributions to community resilience.

Partnering for Community Resilience: February, 2019. In this guide, we share 5 case studies of companies engaging in partnerships for Community Resilience.

Next Generation Governance: Developing a Climate Position Statement. Created in partnership with CPA Canada.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Charles Chang Institute for Entrepreneurship **Website:** <https://beedie.sfu.ca/ccie>

Director: Lubik, Sarah **Faculty:** Beedie School of Business

Director's Term End 4/1/2021 **Renewal Date** 4/1/2021

Details

Description of the Centre/Institute:

The Charles Chang Institute for Entrepreneurship is the interdisciplinary home and academic hub for entrepreneurship and innovation at Simon Fraser University. Here, a diverse network of people and ideas converge to create an environment that fosters entrepreneurial thinking and action. The Institute brings together SFU students, faculty, researchers and community leaders and welcomes entrepreneurs and innovators everywhere to engage and collaborate at the local and global levels.

The Centre/Institute's membership and organization structure:

This institute reports up to the dean of the business school and convenes a council of 45+ faculty and staff from across SFU in order to support the development and delivery of interdisciplinary entrepreneurship programming and research. Also the administrative home of the Coast Capital Savings early stage incubator and innovation hub.

Most significant accomplishments:

(not announced) \$1.9M over three years secured from WD

Registration in the undergraduate certificate up to 113 students from 75 last year

Both the undergraduate certificate and graduate certificate featured in educational reports as programs to emulate.

Notable media successes

This year was focused on student awareness. Multiple mentions in the news, including https://www.enzen.com/global/insights/enzen-news/enzen-innovation-awards-finalist-novion/?fbclid=IwAR2h3hYFWTzMSXG2nVcbrzwK2ONs56xtluhuEwgr3zEIBZuTByN_1Td1hA

Events, workshops, public outreach events:

Opportunity Fest (student project festival) featured 60 academic and industry judges as well as over 200 students from SFU, high schools and elementary schools.

Venture Prize, SFU's largest early stage entrepreneurship competition.

Additional documents:

[SFU Chang Impact Oct17_rev3_screen.pdf](#) (attachment below)

Rationale for the renewal of the Centre/Institute

.

Changes planned upon renewal (e.g. membership, organization structure, etc.)

N/A

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

\$1.9 M over three years from WD (still not announced, please do not publicize)

Confirm policy review

Yes

Submitted by:

Sarah Lubik

Director's Comments:

Dean's section

Reviewed by:

Carolyn Egri, Associate Dean, Research and International

Dean's Comments:

The Charles Chang Institute for Entrepreneurship is a high profile institute that is nationally and internationally recognized for their entrepreneurship and innovation programs. The Institute's unique approach to experiential education and community engagement have demonstrated high impact results. The Institute is well managed and is to be commended for their forthcoming WD grant. We are fully supportive of its Director, Sarah Lubik, and the work of this Institute.



CHARLES CHANG

IMPACT REPORT

OCTOBER 2018

SFU

CONTENTS

MESSAGE FROM THE FOUNDING DIRECTOR	03
THE CHARLES CHANG INSTITUTE FOR ENTREPRENEURSHIP	04
Relationships	04
Programs.....	05
Affiliates	13
Leadership	15
Looking ahead	20
THE CHARLES CHANG INNOVATION CENTRE	21
FINANCIAL REPORT	24



BUILDING OUR CAPACITY AND MOMENTUM

Dear Charles and Eve,

It has been an exciting and productive year as we positioned the Charles Chang Institute for Entrepreneurship (CCIE) for continued growth and impact at Simon Fraser University and within the entrepreneurial community.

In a relatively short timeframe, CCIE has become SFU's interdisciplinary home for entrepreneurship and innovation programming. Thanks to strong pan-university support from faculty champions and new course offerings from various units, we saw a significant increase in enrollment in the Charles Chang Certificate in Innovation and Entrepreneurship program and we expect another jump in the coming year.

Over the past year, we successfully launched the Charles Chang eCo-op program in partnership with SFU Work Integrated Learning and our early-stage incubator, Coast Capital Savings Venture Connection. Students now have the opportunity to be paid to work on their ventures as part of an official co-op work term—another example of the university's unconventional and robust approach to entrepreneurship education.

We share your belief that the earlier we start to foster entrepreneurial thinking, the more likely students will be to undertake entrepreneurial pursuits in the future. We have developed our partnerships with PowerPlay and Young Entrepreneur Leadership Launchpad (YELL) to deepen understanding of the impact of early entrepreneurial education and make inroads to provide university credit for innovative high school students across Metro Vancouver.

Tremendous thanks are owed to CCIE Advisory Board members whose thoughtful leadership during their one-year mandate helped establish a solid foundation for future success. I would be remiss if I did not also recognize the numerous staff and faculty members from across SFU as well as external stakeholders who played a significant role in our progress this past year.

Finally, I am pleased to welcome Dr. Sarah Lubik as the new director of the institute. You know Sarah as a tireless advocate for innovation and entrepreneurship; she will be a dynamic guiding force to amplify CCIE's impact.

In this report, we are pleased to highlight the difference that your visionary gift has made to build a vigorous interdisciplinary hub for students from middle school to post-graduation. There is truly nothing else like it in Canada.

Thank you again for your family's support and this rare opportunity to inspire new voices, ventures and solutions for our rapidly changing world and help position SFU as a national leader in innovation and entrepreneurship.



Dr. Andrew Gemino
Founding Director

THE CHARLES CHANG INSTITUTE FOR ENTREPRENEURSHIP



The Charles Chang Institute for Entrepreneurship is the interdisciplinary home and academic hub for entrepreneurship and innovation at Simon Fraser University. Here, a diverse network of people and ideas come together in a dynamic environment that fosters entrepreneurial thinking and action.

RELATIONSHIPS AT THE CHARLES CHANG INSTITUTE FOR ENTREPRENEURSHIP

INFRASTRUCTURE

The Charles Chang Innovation Centre is a physical hub for SFU's entrepreneurship programming and for Vancouver's social entrepreneurial ecosystem

PROGRAMMING

Core CCIE programming includes the Charles Chang Certificate in Innovation and Entrepreneurship (CCCIE), the Charles Chang eCo-op, the Graduate Certificate in Science and Technology Commercialization (i2I), International eCo-op, Change Lab, Business of Design, Technology Entrepreneurship @SFU, International Semester in Entrepreneurship and Innovation

AFFILIATES

RADIUS, Coast Capital Savings
Venture Connection

PRE-SFU PARTNERSHIPS

PowerPlay and Young Entrepreneur Leadership Launchpad (YELL)

THE CHARLES CHANG INSTITUTE FOR ENTREPRENEURSHIP

THOUGHT LEADERSHIP PROJECTS

Mindset Matters, Early Entrepreneurship Launch

PEOPLE

Founding Director Andrew Gemino, Incoming Director Sarah Lubik, Beedie Advisory Board E&I Subcommittee, SFU Deans Advisory Council, Faculty Champions



The Charles Chang Institute for Entrepreneurship provides an invigorating and supportive student experience for young entrepreneurs from every faculty of the university who are looking to create their own opportunities and make the difference they want to see in the world.

The institute houses and supports flagship programs where faculties and partners come together to address globally relevant challenges and opportunities. These include the Charles Chang Certificate in Innovation and Entrepreneurship (CCCIE), Technology Entrepreneurship@SFU (in partnership with Mechatronics Systems Engineering), Health Change Lab (in partnership with Health Sciences), Civic Change Lab (in partnership with City Studio), International Change Lab (in partnership with Impact Quito), the International Semester in Social and Sustainable Innovation (currently with the Grenoble Ecole de Management) and the Graduate Certificate in Science and Technology Commercialization (Invention to Innovation, i2I).

THE CHARLES CHANG CERTIFICATE FOR INNOVATION AND ENTREPRENEURSHIP

Inspiring entrepreneurial connections across SFU

Since its launch in September 2015, the Charles Chang Certificate has become one of SFU's flagship entrepreneurship programs for undergraduates. We have seen exceptional enrollment growth as we inspire more students from across campus with strong support from faculty champions.

This year, we had a particular focus on building awareness and increasing recruitment. By April 2018, 73 students from a wide range of degree programs across the university have embarked on this unique initiative. To date, 14 have graduated from the program, including six students from 2017/2018.

The interdisciplinary committee (internal to SFU) overseeing the program now has 38 members representing eight different faculties, with designated champions representing a wide range of disciplines, early stage innovation hubs, the Library and Student Services. With a vital role in program development and delivery, research, promotion and outreach to internal and external communities, these champions help demonstrate the program's value to all faculties and drive participation.

Together, the diversity of perspectives, interests and objectives among students, faculty and mentors helps inspire a robust and engaging learning experience for everyone involved.



CCCIE GRADUATES 2017-2018



(From top left)

Baker Al-Nakib Bachelor of General Studies, Faculty of Applied Sciences

Aris Grout Bachelor of Science, Molecular Biology and Biochemistry, Certificate in Genomics, Faculty of Science

Zoya Jiwa Bachelor of Arts, Sociology, Certificate in Sustainable Community Development, Faculty of Arts

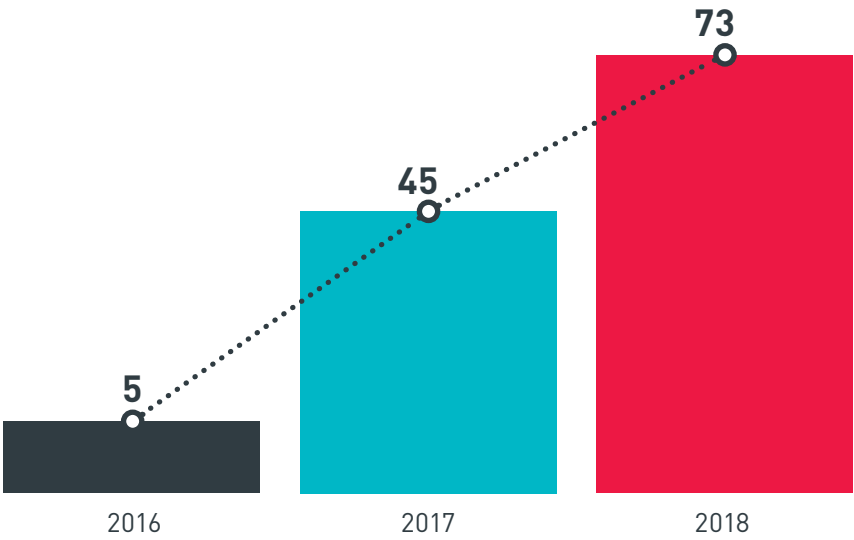
Michelle Lee Bachelor of Communications, Faculty of Communication, Art and Technology

Nolan Woods Bachelor of Science, Molecular Biology and Biochemistry & Computing Science, Faculty of Science

Oran Yeung Bachelor of Interactive Arts and Technology, Minor in Business Administration, Faculty of Communication, Art and Technology

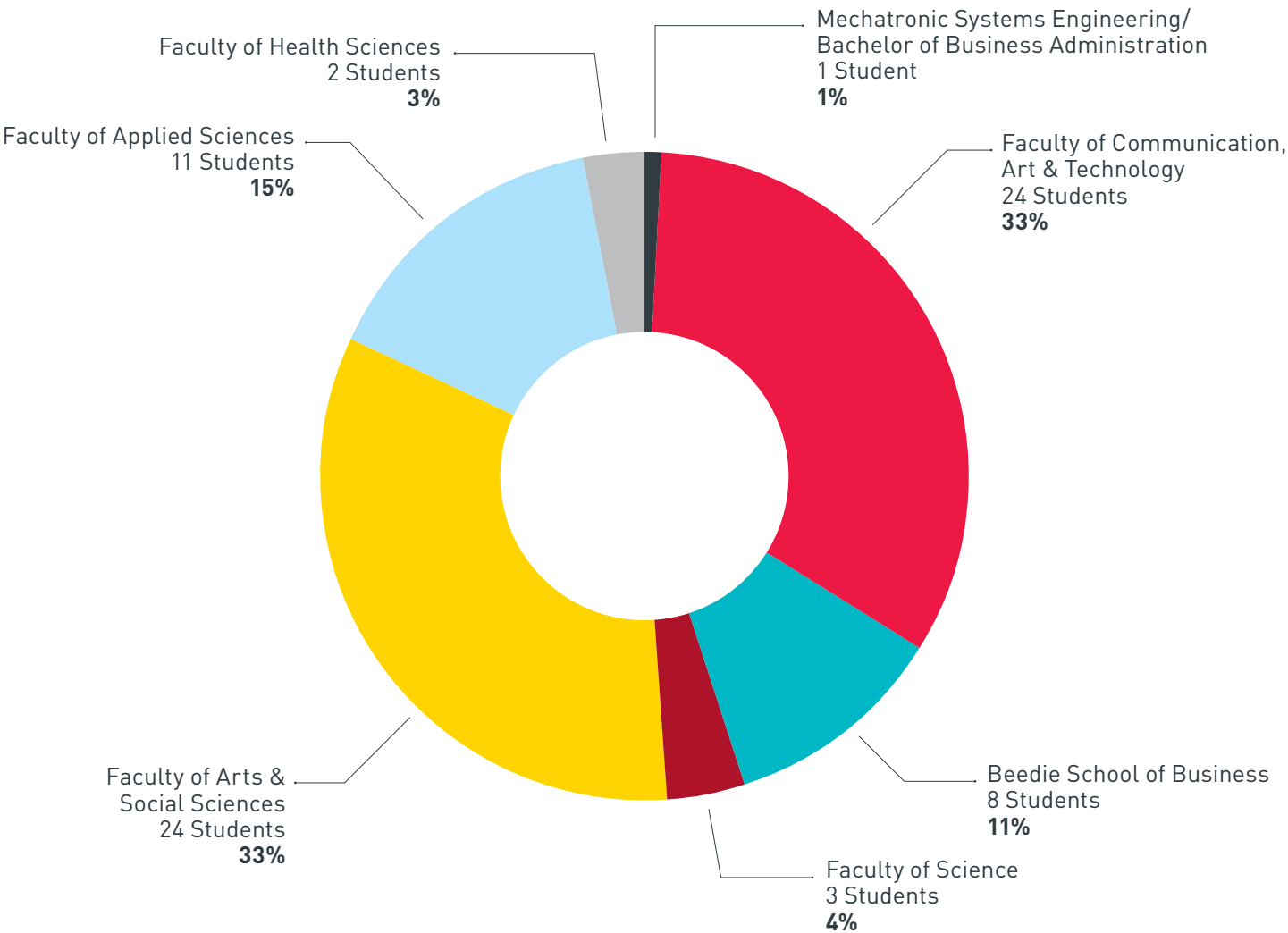
Inspiring more students: Charles Chang Certificate enrollment

Fall 2016 – Spring 2018



Driving participation across SFU: Enrollment by faculty

Fall 2017 – Spring 2018





Vidaluz Ortuno Nacho is a 4th-year Arts student majoring in Psychology with a keen interest in human behavior and a long-held dream of being her own boss. Through CCCIE and Technology Entrepreneurship@SFU, she co-founded Gomi Technologies, a student venture developing a food inventory management system for residential consumers. Their device works inside a refrigerator to track information and communicates with a mobile app to provide automatic grocery lists, expiration dates and customized recipes.

The initial idea came from a team member's complaint about the amount of food she was wasting—something they could all relate to. Gomi had a successful run in the Tech E program and built its first prototype. The team greatly appreciated the opportunity to grow as entrepreneurs but decided to fold their initial venture recently, acknowledging while they were passionate about the program, there were too many technological limitations with their solution. Ortuno Nacho, meanwhile, will deepen her entrepreneurial learning and explore other opportunities and solutions with the Charles Chang eCo-op during the Fall 2018 term.

“So far, my key takeaways are how practical the Certificate is,” says Ortuno Nacho. “It’s like taking everything we learn in the beginning [of the Certificate courses] and in other business classes and putting it to the test in unexpected ways... I hope this is just the beginning of my tech entrepreneurship journey. I hope that upon graduation I can leave university with my name attached to some product or company that is profitable and continue to have businesses that speak to my interests. Thank you Charles! You helped me find my path and purpose thanks to the Certificate.”



Baker Al-Nakib, a recent CCCIE graduate, and fellow Applied Sciences alumnus Thamer Matar developed a roadbed parking sensor and accompanying software that tracks the real-time status of parking spots. The technology provides cities and parking companies with automated, detailed historical analytics concerning parking efficiency, compliancy monitoring and dynamic pricing. The pair also developed a free app that uses their real-time data to help drivers find available parking spaces.

As co-founders of OpenSpot Parking Inc., they completed a successful pilot project with the City of Surrey, which has now purchased an initial 105 parking sensors to deploy across the municipality. They are also launching a pilot project with the City of Vancouver to deploy sensors in the downtown core. The company was acquired and Al-Nakib continues as chief technology officer and Matar as chief operating officer.

Al-Nakib says his involvement in the Charles Chang Certificate in Innovation and Entrepreneurship program was the best decision he made at SFU. “I highly recommend it to anyone with a technical background,” he says. “The two disciplines complement each other, and the program went above and beyond to support Thamer and me.”

CHARLES CHANG eCO-OPS

Preparing young entrepreneurs through work-integrated learning

Learning by doing is a critical part of the entrepreneurial journey at SFU. The Charles Chang eCo-op supports aspiring student entrepreneurs with an exceptional opportunity to pursue their dreams as well as their education.

With this paid eCo-op experience—the first of its kind in Canada—individuals or teams of students in the eCo-op program receive a financial award, mentoring and co-working space through Coast Capital Savings Venture Connection and earn university credit while focusing full-time on their start-up.

Over the past year, 12 eCo-op students from SFU Beedie and the Faculty of Applied Sciences (Mechatronic Systems Engineering and Computing Science), including three teams from the Technology Entrepreneurship@SFU program, received support to deepen their entrepreneurial knowledge and develop skills through experiential learning.

According to Shauna Tonsaker, director (acting), Work Integrated Learning at SFU, these eCo-op students learned to strengthen their teams through the early stages of their start-up, tasted the often unpredictable life of entrepreneurs, experienced deep disappointments as the result of the setbacks, gained invaluable insights and made remarkable progress.

“The learning is not just about developing their products or services or even their ventures,” Tonsaker says. “It is about developing themselves as entrepreneurs, to move forward regardless of the types of ventures they have been building during their eCo-op semesters and will build in the future.”

Charles Chang eCo-op participants, 2017-2018



.....○ Faculty of Applied Science
———○ Beedie School of Business



“

SFU has provided us with incredible support in terms of funding, learning opportunities and an innovative environment. What differentiates SFU is the approach. Very quickly we moved from saying ‘this is my project’ to ‘this is my company.’ We’ve never looked back!

”

— Rachel Chase, BBA 2018
and COO Zennea Technologies

Rachel Chase and members of Zennea Technologies were the first eCo-op students from SFU to cross international waters, joining the HAX accelerator program—the world’s first and largest hardware accelerator—this past March. Teams spend anywhere from 12 to 28 weeks scaling their business in Shenzhen, China and present the final product at a HAX showcase in San Francisco.

“One week in Shenzhen is about a month in Canada in terms of what you can accomplish, given the turnaround time for manufacturing and the speed of suppliers. People conduct business there 24/7. No one is slowing you down except yourself,” says Chase, a recent BBA graduate and chief operating officer of Zennea, an SFU student venture founded through the Technology Entrepreneurship@SFU program.

Zennea is developing a portable “sleep wearable” device to reduce snoring. The team originally explored solutions to sleep apnea but as they learned more about the problem, they ended up with a discreet, battery-operated device with a different focus.

“So far it’s been a crazy ride,” Chase says of her entrepreneurial experience including eCo-op. “Things change very quickly—that’s why I love it. You’re moving forward and vibrating off the walls at light speed!”

The HAX accelerator program helps start-ups scale their business by offering seed capital, in-house manufacturing and engineering expertise, access to mentors and investor pitch training. By providing an environment of comprehensive support, ventures are able to fast-track their product. Only 15 teams from around the world are accepted into HAX bi-annually.

With two Zennea team members still on the ground in China focusing on manufacturing, Chase and Ryan Threlfall will spend part of the fall in San Francisco with an aim to raise capital for clinical testing and commercialization.



William Jiang founded NATIV Media, a results-oriented creative agency that specializes in social media marketing, influencer marketing, branding and design at the end of his first year of BBA studies.

The company reached 22 million people on social media in 2017 with various initiatives including a \$5 Ramen Challenge and more than 100 tasting events for media in Vancouver, LA, Seattle and Australia. NATIV Media generated over \$100,000 in direct sales on marketing campaigns for clients and also manages a social media influencer portfolio of 600,000+ followers. It has also created campaigns that have been featured in some of the world's biggest media outlets including BuzzFeed, Tasty, Food Beast, EATER and INSIDER.

"My eCo-op helped me to define who my ideal customers are and what is unique about my business," says Jiang, a 2nd year BBA student. "The most valuable part of the eCo-op was the mentorship with Tim (Ames). As a founder, my attention always gets dragged in many different directions and there are always new projects & initiatives that I want to work on. I realized that I was spreading myself too thin and Tim helped me narrow down my focus and we set monthly goals to make sure I focused on what was important. The mentorship really transformed everything we do, helping us discover our value and how we can grow the business in our own city before we try to expand into other markets."





INVENTION TO INNOVATION (i2I): THE GRADUATE CERTIFICATE IN SCIENCE AND TECHNOLOGY COMMERCIALIZATION

Equipping scientists with business tools and networks to get their creations into the market

This engineering entrepreneurship program prepares scientists and engineers to think about the complex commercialization challenge around their invention in the marketplace. The program equips them with the frameworks, perspectives and techniques needed to contribute to new product development and commercialization in industry, whether for an existing firm or start-up venture.

To date, 43 students from three cohorts have completed the i2I program, with a fourth cohort starting in Fall 2018.

“From early-stage market assessment to writing a business plan to preparing to pitch to potential investors, the program really helped me to understand what it takes to bring an innovation idea to market,” says Avid Khamenehfahar, a recent i2I graduate. “I highly recommend it to all graduate students or post-docs with a passion to work as entrepreneurs.”

Khamenehfahar, a scientist with a PhD in Bioanalytical Chemistry from SFU, has filed a patent based on her research in microfluidic chip technology. As vice-president, technical at ZellChip Technologies Inc. (its CEO is her PhD supervisor, SFU professor Paul C. H. Li), she helped develop specialized medical devices for monitoring drug accumulation in single cancer cells, particularly useful for personalized medicine. She recently joined Extem Bioscience, a start-up committed to advance regenerative medicine, as their chief technology officer. Extem is applying microfluidic technology on blood cells to assist doctors with platelet rich plasma (PRP) treatment.

“This novel medical device has great potential to improve surgical outcomes and help patients heal faster,” says Khamenehfahar. “I’ve always loved to help people and I am eager to see how my innovation ideas can make a positive impact in the field of medicine.”

The Charles Chang Institute for Entrepreneurship works closely with its affiliates to foster the entrepreneurial ecosystem in British Columbia, delivering programs to connect entrepreneurs and investors with undergraduate and graduate students and community groups.



COAST CAPITAL SAVINGS VENTURE CONNECTION

Marking a decade of unleashing entrepreneurship at SFU

Celebrating 10 years of offering valuable mentorship, connections and support, SFU's Coast Capital Savings Venture Connection (CCSVC) has engaged over 8,000 SFU community members, mentored 750+ teams, incubated 175+ ventures, seen dozens of these innovative ideas flourish into profitable companies and helped foster hundreds of entrepreneurs for B.C.'s innovation ecosystem.

CCSVC reports to the director of the CCIE and works closely with the institute and SFU's Co-op program to support the Charles Chang eCo-ops. The institute supports Venture Connection to provide additional student-facing programming, events and outreach, including sponsoring the Idea Prize of CCSVC Venture Prize Competition.

Christina Wong is this year's recipient of the Idea Prize. An SFU arts and social sciences alumnus she is a social activist dedicated to eliminating poverty and homelessness in Vancouver's Downtown Eastside. Wong and business partner Stephanie Chan have established Employ to Empower (ETE), a social enterprise centered around employment as a realistic and long-term solution to reduce homelessness. In partnership with participating companies, ETE aims to re-integrate low-income individuals back into society through dignified employment that reflects their dream jobs. In March this year, ETE launched Communauté, an online fashion resale platform where 50 per cent of every purchase supports the wages of the individuals whom ETE places in jobs.

This past year, CCSVC initiated the "Embedded Mentors" program for students within the CCIE entrepreneurship certificate programs. Bridging the gap between theory and application, these mentors work closely with faculty champions, provide additional opportunities and an external sounding board for student projects and deliver workshops and presentations as needed. They commit approximately 25 hours per semester over the length of each certificate program, bringing their perspective on the real world and its real problems to help students move learning beyond the classrooms into ventures.



RADIUS

A social innovation hub for thoughtful changemakers

RADIUS (RADical Ideas, Useful to Society) is a nationally recognized, university-wide social innovation lab and venture incubator based at SFU Beedie. RADIUS encourages participants to rethink pressing social problems from the ground up, empathize with those affected and create radical solutions and resilient systems that can drive healthy and sustainable economies. The RADIUS Lab model offers a unique approach to address complex problems at multiple levels.

Each RADIUS Lab is a problem-driven, multi-year initiative connecting innovators and organizations on the ground with systems influencers to drive new, entrepreneurial and systemic responses, build capacity for ongoing innovation in the system, and achieve direct outcomes for those impacted by the issue explored. Current areas of concentration include the:

- Health Promotion Lab
- RBC First Peoples Enterprise Accelerator Program
- Refugee Livelihood Lab
- Future of Work Lab

With its focus on the prevention and early detection of chronic diseases, the Health Promotion Lab, for example, incubates and accelerates ventures that help people live healthy lives. Participants in two unique cohort programs have innovative business models that support the delivery of services or the adoption of healthful products that target at-risk populations.



Nomad Nutrition promotes a healthy, organic lifestyle with adventure meals geared towards backpackers, hikers, climbers, paddlers, hunter and anyone on the go or venturing on overnight excursions. Its mission is to feed avid adventurers and their pursuits with locally crafted, wholesome and sustainable meals, share its founders' passion for clean, non-GMO sports nutrition, and support local food producers whenever possible. **nomadnutrition.co**



Richer Health provides health and wellness workshops, retreats and online programs to help people treat cancer and chronic diseases using food as medicine. The nutrition and detox wellness centre is a sanctuary for people of all ages to rest, revive and reactivate their natural ability to heal. **richerhealth.ca**

With a strong commitment to inspire innovation and support others to flourish as entrepreneurs, the leadership of the Charles Chang Institute of Entrepreneurship has established a solid foundation for continued growth and impact.

“

I am honoured and delighted by this incredible opportunity to build from strength, drive mindset change across all faculties at SFU, and create impact even earlier than university. We can ensure more students have the mindset they need for the future and see SFU as a welcoming place from which to start making meaningful change in the world.

”

— Sarah Lubik, Director of the Charles Chang Institute for Entrepreneurship

Since the inception of the Charles Chang Institute for Entrepreneurship, Andrew Gemino and Sarah Lubik have been pleased to work closely with you to incorporate your vision in the development of this unique initiative and of future entrepreneurs.

As founding director, Gemino has provided exceptional leadership and guidance to help lay the groundwork for ongoing success. This included collaborating with the CCIE Advisory Board to develop the institute's vision and mission and build the structure to fulfill its mandate. He steered the CCIE through the rigorous university academic framework, rallied the support of the university through the installment of the SFU Deans Advisory Council and faculty champions for the CCCIE program. In addition, he oversaw the successful launch of the Charles Chang eCo-op program and development of a robust web presence for CCIE, and pursued research on the early entrepreneurial education with pre-university partners (see p. 19).

Gemino has helped generate significant momentum as he turns the reins of the Institute over to Lubik, who officially became its new director on September 17.

An award-winning teacher and leader and the first director of entrepreneurship at SFU, Lubik was recently appointed one of six Digital Innovation Leaders for the Federal Minister of Innovation, Science and Economic Development (ISED) to assist with Canada's strategy for skills in the data-driven and digital economy of the future. In addition, she was one of 10 Innovation Leaders for ISED (2016) to gather Canadian input and provide advice in the crafting of Canada's inclusive innovation agenda.

Lubik has played a vital role in shaping SFU's unconventional approach to entrepreneurial education and is often credited with inspiring students to fall in love with solving problems, not falling in love with their solutions. She is looking forward to the opportunity to guide the next phase of development at CCIE.

CCIE ADVISORY BOARD

Leveraging the expertise of senior-level volunteers

Andrew Gemino, Co-chair

SFU Beedie School of Business

Charles Chang, Co-chair

Lyra Growth Partners

Christopher Krywulak

iQmetrix

Greg Malpass

Traction on Demand

Ryan Beedie

Beedie Development Group

Sarah Panton

Vitruvi | Luxury Aromatherapy

Andrew Harries

SFU Beedie School of Business

Aoife Mac Namara

SFU Faculty of Communication, Art, and Technology

Elicia Maine

SFU Beedie School of Business

Mike den Haan

SFU Advancement and Alumni Engagement

Sarah Lubik

SFU Beedie School of Business | SFU Innovates

Shawn Smith

SFU Beedie School of Business | RADIUS

The Advisory Board of the CCIE was struck in December 2016 and continued through to April 2018. Board members helped establish a strong foundation for the Institute by developing its vision and principles. They provided guidance to help build the framework and basic structure for CCIE, and held productive discussions regarding Certificate and e-Co-Op programming, marketing and communications, and fostering engagement with business leaders and industry. This resulted in the development of the Entrepreneurs' Club House speaker series launched in June 2018 at the Charles Chang Innovation Centre (see page 22).

The Advisory Board agreed that as an academic institute, CCIE should serve the wider SFU community, support research in entrepreneurship, reduce barriers and foster connections between the business community and the university in the area of entrepreneurship.

Finally, board members reinforced the importance of the CCIE in leveraging services and supports that already exist at SFU. The CCIE should not duplicate resources but instead work closely with SFU Innovates, Coast Capital Savings Venture Connection, RADIUS and other innovation service providers to coordinate, collaborate and communicate a more cohesive set of services and university-side messaging around entrepreneurship at SFU.





PRE-UNIVERSITY PARTNER PROGRAMS

Preparing children and youth for a bold future

The true driving force for entrepreneurial behavior is the mindset that students develop towards entrepreneurship through the learning process. CCIE is committed to actively support early educational initiatives that help nurture that mindset in our youngest citizens.

We have developed strong partnerships with two key players in this area: PowerPlay Young Entrepreneurs, a six-week educational program offered to students from grades four through eight, and Young Entrepreneur Leadership Launchpad (YELL), a hands-on experiential accelerator for high school students. Sarah Lubik serves on the board of directors of both initiatives.

This year CCIE invited students from PowerPlay and YELL to participate in Opportunity Fest, SFU's annual showcase of entrepreneurship student projects, to help build community and create awareness of the entrepreneurship opportunities open to them. The event brought together 50+ industry and academic judges and more than 200 of our undergraduate entrepreneurship and innovation students.

The YELL and Power Play students competed as junior innovators—much to their delight and that of their parents, grandparents and SFU students. With this positive feedback, we plan to invite more pre-university students to future events.

In addition, CCIE and SFU Beedie entered into a Letter of Intent with YELL to explore a pilot that would give university credit to students who have taken the YELL program in high school. This reinforces how much we value these skills and promotes SFU as a great destination for those students who want to pursue entrepreneurship. This arrangement can also slightly reduce the financial burden of additional courses and create a more level playing field for students from varying backgrounds.



YOUTH-RELATED ACTIVITIES FOR ENTREPRENEURIAL LEARNING

Invigorating young innovators

The institute joined the Beedie School of Business, SFU Innovates, the Faculty of Applied Sciences and CCS Venture Connection to sponsor the Western Canada Youth Entrepreneurship Showcase in May. Many students from CCCIE and the Technology Entrepreneurship@SFU program also attended to inspire the students and display real prototypes.

In addition, Sarah Lubik instructed participants on pitching during Invent the Future, a two-week summer enrichment program about artificial intelligence for grade 11 girls held at SFU's Burnaby campus. She was also a judge at Technovation, a program teaching coding and entrepreneurship to young women.

MINDSET MATTERS

Encouraging an entrepreneurial mindset in K-12 curriculum

Does early entrepreneurial education increase entrepreneurial mindset? Over the past two years, CCIE leadership has worked with Bill Roche (and you, Charles) at PowerPlay Strategies to quantify the impact of the PowerPlay Young Entrepreneurs program. Roche along with SFU's Andrew Gemino and Sarah Lubik recently authored a white paper summarizing work to date and validating the benefits of entrepreneurial education for young minds.

The results of their work indicate that, "with the right approach, entrepreneurship education can have a profound impact on the mindset of youth, building their confidence, self-efficacy, and adaptability to compete and thrive in the economy of the future. That's why an entrepreneurial mindset is so fundamental and why, in a changing world with emerging opportunities, mindset matters."

We've leveraged funding of CCIE with additional support from the RBC Foundation and SFU alumnus Amit Sandhu to undertake a parallel study with data collected from YELL.



LOOKING AHEAD

Over the past year, the Charles Chang Institute for Entrepreneurship has played a vital role to help inspire innovation at SFU and shape the entrepreneurial ecosystem in British Columbia and beyond. Under Sarah Lubik's new leadership, CCIE is well placed to expand its reach and reputation.

Our key objectives for the coming year are to:

- Consolidate and integrate innovation and entrepreneurship programming from across SFU under the CCIE umbrella
- Grow enrollment in the Charles Chang Certificate in Innovation and Entrepreneurship by working with faculties across the university to champion the program to prospective students
- Expand the international eCo-op option, including exploring potential partnerships in India
- Continue efforts to increase awareness and outreach by promoting CCIE initiatives and activities through various communications channels
- Increase international pathways and programming by partnering with global institutions that share our approach and philosophy for increasing entrepreneurial mindset and generating solutions for today's challenges
- Continue to foster connections with the entrepreneurial community within and outside SFU and strengthen the dynamic profile of the Charles Chang Innovation Centre as an entrepreneurial hub through further activation of the centre for e-events, programming and more
- Advance understanding of best approaches for supporting entrepreneurial mindset creation and activation through ongoing research projects

“

Being new to Vancouver and working in a lot of social change projects back in South Africa I knew the importance of community when it comes to getting projects off the ground. Being a RADIUS fellow introduced me to a network of incredible friends and colleagues who are doing incredible things in the city. Over the course of the fellowship, we collaborated on projects and since it has ended I extended my hotdesk membership to keep using the RADIUS office. Whatever I'm working on, there's always someone around who's worked on something similar in the past and has a wealth of experience to share. In personal and professional capacities the co-working space has contributed immensely to my settlement into the city and country.

”

— Aslam Bulbania, community builder, Vancouver, BC

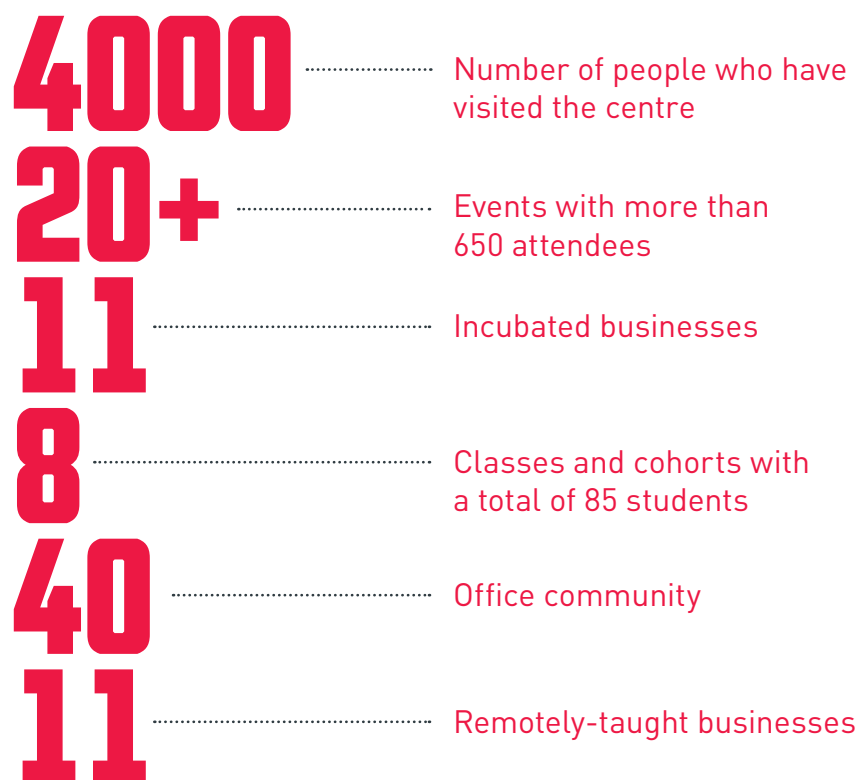
THE CHARLES CHANG INNOVATION CENTRE

Embedding entrepreneurship in business and civic life

The Charles Chang Innovation Centre is SFU's hub for technology and social innovation in the heart of Vancouver. The centre is the home of RADIUS (RADical Ideas, Useful to Society), SFU's social innovation lab and venture incubator. RADIUS delivers experiential education and training programs as well as cohort-based labs to solve tough social problems and build capacity for systems change.

Nominated for a best-in-design award in 2017, the six-storey, 30,000-square-foot facility is a dynamic complement to SFU's existing downtown presence for students and entrepreneurs of all ages. The SFU Residence on the third floor offers comfortable, fully furnished living spaces for up to 68 students, primarily graduate students, and has become a vibrant place to live and learn within a community setting.

Over the past year, the centre played host to the five-year anniversary celebration of RADIUS and the first Entrepreneurs' Club House, with each event drawing 100+ members of the community. It was also the site of an intimate dialogue with Nobel Prize winner Mohammad Yunus, the Bangladeshi economist, microfinancing pioneer and founder of the grassroots Grameen Bank. Several organizations also hosted retreats, design sprints, workshops and other events in the dynamic space.





ENTREPRENEURS' CLUB HOUSE VOL. 1

The CCIE hosted the inaugural Entrepreneurs' Club House at the Charles Chang Innovation Centre on June 19. The event brought together several generations of entrepreneurs, change-makers and entrepreneurial thinkers to start building and reinforcing relationships within our community.

The sold-out crowd appreciated the opportunity to hear from you, Charles, and from the panel of entrepreneurs who shared their perspectives on the entrepreneurial journey. They included:

- Aran Seaman: COO, EarthEasy
- Emily Key: Founder, Shiny Objects
- Sean Panton: Co-founder + COO, vitruvi
- Christina Disler: Founder, WerkLab
- Andrew Hall: Co-founder, MealShare
- Jake King: Co-founder + CEO, Cmd



CITYHIVE

Inspiring civic-minded youth

CityHive is an organization on a mission to transform the way that young people are engaged in shaping their cities: in city planning, decision-making processes and urban sustainability issues. As a youth-led and youth-run non-profit, it harnesses the energy, experiences and perspectives of youth to create projects and solutions to make cities more sustainable and resilient. CityHive works with civic institutions to transform the way that they engage youth to be more meaningful and inclusive.

"Working at the Charles Chang Innovation Centre has been a game changer for our organization. It is inspiring to be working around other inspiring social entrepreneurs who are wrestling through similar challenges, can share solutions and celebrate successes together. Having a modern office with small, large, and flexible meeting spaces centrally located downtown has allowed us to host countless events and meetings with our team, youth, partners, and clients." – Tessica Truong, Co-founder and Co-director, CityHive



FINANCIAL REPORT

ENDOWMENT FINANCIAL SUMMARY

Charles Chang Innovation and Entrepreneurship Endowment

FISCAL YEAR 2017/18 – APRIL 1, 2017 TO MARCH 31, 2018

Endowment Principal

Balance at Fiscal Year Start (April 1, 2017)	\$708,866.67
Contributions to Principal	\$1,000,000.00
Preserving Purchasing Power (2% BC CPI)	\$22,510.67
Capitalization to Principal	\$.00
Balance at Fiscal Year End (March 31, 2018)	\$1,731,377.34

Endowment Spend

Balance at Fiscal Year Start (April 1, 2017)	\$23,333.33
Spending Allocation 2017/18 (5%)	\$56,276.67
Total Fiscal Year Spending	\$.00
Recapitalization to Principal	\$.00
Balance at Fiscal Year End (March 31, 2018)	\$79,610.00
Projected Spending Allocation for 2018/19 (5%)	\$86,568.87
Total Projected Spend for 2018/19	\$166,178.87

OPERATING FUND FINANCIAL SUMMARY

Charles Chang Institute of Entrepreneurship

FISCAL YEAR 2017/18 – APRIL 1, 2017 TO MARCH 31, 2018

Operating Fund Income

Balance at Fiscal Year Start	\$266,892.25
Contributions to Operating Fund	\$.00

Operating Fund Spending

Affiliate – RADIUS	\$75,000.00
eCo-op Student Awards	\$57,574.03
• Awards \$49,574.03	
• Administration \$8,000	
Affiliate – Coast Capital Savings Venture Connection	\$52,000.00
Rent – Charles Chang Innovation Centre	\$25,000.00
Sponsorship, Competitions and Prizes	\$17,137.23
• Invention to Innovation, Venture Pitch Prize \$7,514.65	
• Competition Support (Oxford – SKOL Social Innovation Competition 2017) \$4,400	
• QEC Competition \$2,722.58	
• Map the System Challenge \$2,000	
• Other Event Sponsorship \$500	
Books and Publications	\$2,543.15
Research Assistants	\$700.22
General Program & Meeting Expenses	\$589.54
 Total Expenditures for Fiscal Year 2017/18	 \$230,544.17
 Balance at Fiscal Year End	 \$36,348.08

FOR MORE INFORMATION, PLEASE CONTACT:

Mike den Haan

Vice-President

Advancement & Alumni Engagement

778-782-5302

mikedenhaan@sfu.ca

give.sfu.ca

Dr. Andrew Gemino

Founding Director

Charles Chang Institute for Entrepreneurship

778-782-3653

gemino@sfu.ca

Dr. Sarah Lubik

Director

Charles Chang Institute for Entrepreneurship

778-782-9664

sarah_lubik@sfu.ca

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Education, Law and Society

Website: www.sfu.ca/education/cels

Director: Cassidy, Wanda

Faculty: Education

Director's Term End 8/31/2021

Renewal Date 4/1/2021

Details

Description of the Centre/Institute:

The Centre for Education, Law and Society (CELS) is an endowed centre, established in 1984 and given formal approval in 1994 by the Board of Governors at Simon Fraser University. The central purpose of the Centre is to improve the legal literacy of children, youth, and young adults through a program of research, teaching, curriculum development, and community initiatives. Legal literacy encompasses: an understanding of the role of law in society and its impact on the individual; the interrelationship between law, democracy and citizenship; social justice issues; civil and human rights; conflict and dispute resolution; and policies and practices that impact school culture. CELS works with educational and legal organizations and other stakeholder groups to advance its mandate. The Centre's faculty and affiliates conduct research and develop programs that focus on social justice, citizenship education, cyberbullying, media literacy, anti-racism, marginalized youth, the ethics of care, school culture, and law-related pedagogy.

The Centre/Institute's membership and organization structure:

MEMBERSHIP

Director

Cassidy, Wanda Associate Professor, Faculty of Education, CELS Co-founder; directing the Centre is central to her faculty appointment.

Associate Director

Sensoy, Özlem Associate Professor, Faculty of Education; Dr. Sensoy has been integral to CELS since coming to SFU in 2006, taking on the role of Associate Director in Fall 2014.

CELS Project Coordinator

Faucher, Chantal Dr. Faucher is a Post Doc Fellow, with responsibility for the CELS website, specific projects, and collaborating on cyberbullying research K-12 and at post-secondary. She has been CELS Coordinator (part-time) since 2014.

SFU Faculty Affiliates

Beck, Kumari Associate Professor, Faculty of Education

Equity studies / social justice research and projects

Jackson, Margaret Emerita Professor, School of Criminology

Cyberbullying K-12 and post-secondary research

Post Doc Fellows

Faucher, Chantal Website Manager; CELS Project Coordinator; Cyberbullying research

Serverius, Cristina Curriculum Resources Review, CELS website, to match changes to new BC K-12 Curriculum

Waterhouse, Terry Adjunct Professor, Director Public Safety, City of Surrey; SAFE project

Research Assistants

Legacy, Marc SFU doctoral student; tutor marker & legal update for law education distance UG education courses

STRUCTURE

CELS Directors, affiliates, and associates generally meet twice a year to review priorities for the year. In addition, informal discussions occur on an ongoing basis. Additional faculty members from SFU and other institutions are invited to be affiliates on particular projects. For example, in September and October 2018, CELS was host to Visiting Professor, Dr. Vivien Huan, Associate Professor of Psychological Studies and Associate Dean of Teacher Education, National Institute of Education, Nanyang Technological University, Singapore. We collaborated on cyberbullying research.

Most significant accomplishments:

(1) Completion and publication of EDITED BOOK published by Routledge: CYBERBULLYING AT UNIVERSITY IN INTERNATIONAL CONTEXTS

The book *Cyberbullying at University in International Contexts*, edited by Drs. Cassidy, Faucher and Jackson was published with Routledge Press in September 2018. The editors worked with 24 other scholars from eight countries to produce this collection of research, which examines the problems, impacts, and solutions of cyberbullying at post-secondary. The publication process was aided by a Simon Fraser University Publication Fund grant to assist with text and copy editing. The editors also contributed 5 chapters to the book.

The book was brought to the attention of the local, national, and international communities through a book launch in November 2018, Dr. Cassidy's President's Faculty Lecture in February 2019, and presentations at the annual conference of the Canadian Society for Studies in Education in June 2019, the American Bar Association, Public Education, bi-annual conference in Chicago in September 2018, and the international Care and Precarity conference in Portland in September 2018. This research was also featured in Dr. Cassidy's Spotlight on Research interview for the Faculty of Education website and in a video, soon to be posted on the same website.

(2) FUNDING APPLICATION to the Law Foundation of British Columbia ISLAM AND MUSLIMS: A Teacher Resource Portal

Dr. Sensoy has submitted a grant proposal to the BC Law Foundation to develop an online resource portal for BC Educators called *Islam and Muslims: Teacher Resource Portal* -an online portal of resources and other materials for BC educators (K-16), developed and hosted by CELS. The goals are to positively impact the lives of British Columbians by enhancing knowledge about Muslim BC'ers and others who are impacted by widespread Islamophobia (such as those presumed to be Muslim, or those considered to be allies or "sympathizers" to issues related to Muslims). It is hoped that by increasing the quality, relevance, and access to university-vetted materials related to Muslims, we will positively contribute to the knowledge and well-being of the BC community as a whole.

The portal will be developed and hosted on the CELS website and maintained by CELS staff. This is a partnership project with the History Department's Centre for Comparative Muslim Studies. It is hoped that the bank of resources (including lesson plans, curricula across various grade levels, online films and documentaries and accompanying discussion guides; professional development materials, analysis of current issues and events) once established) could positively contribute to public understandings of topics such as immigration, human rights, Islamophobia and hate crimes, religious dress and accommodation laws, honour crimes, religious extremism, racial profiling, and other social issues related to law and justice that emerge in our communities.

The development of the portal is anticipated to start in fall 2019 and will continue over a two-year period. As of the date of this report (June 24) we have heard unofficially from the Law Foundation that the project has received funding.

(3) Equity Studies in Education LECTURE SERIES

Since the launch of the Equity Studies in Education graduate program in the Faculty of Education, CELS has been an active partner in the establishment of a lecture series focused on equity and justice issues. The ESE program hosts two lectures per academic year (one in fall and one in spring semesters). In fall 2018, the ESE lecturer was Dr. Robin DiAngelo; and in spring 2019 the ESE guest lecturer was Dr. Yasmin Jiwani. Details of both talks and speaker bios are below.

White Fragility: Why It's So Hard For White People To Talk About Racism

Dr. Robin DiAngelo (November 2018)

More details here: <http://www.sfu.ca/education/gs/degreediploma/masters/ci-equity/ese-lectures.html>

White people in the U.S. and Canada live in a society that is deeply separate and unequal by race, and white people are the beneficiaries of that separation and inequality. As a result, we are insulated from racial stress, at the same time that we come to feel entitled to and deserving of our advantage. Given how seldom we experience racial discomfort, we haven't had to build our racial stamina. We consider a challenge to our racial worldviews as a challenge to our very identities as good, moral people. Thus, we perceive any attempt to connect us to the system of racism as an unsettling and unfair moral offense. The smallest amount of racial stress is intolerable—the mere suggestion that being white has meaning often triggers a range of defensive responses. These include emotions such as anger, fear, and guilt and behaviors such as argumentation, silence, and withdrawal from the stress-inducing situation. These responses work to reinstate white equilibrium as they repel the challenge, return our racial comfort, and maintain our dominance within the racial hierarchy. I conceptualize this process as white fragility. This talk will provide an overview of the socialization that inculcates white fragility and the perspectives and skills needed for white people to build their racial stamina and engage more constructively across race.

Dr. Robin DiAngelo is affiliate Associate Professor in the College of Education at the University of Washington, Seattle. She is a two-time winner of the Student's Choice Award for Educator of the Year from the University of Washington. Her scholarship is in White racial identity, and racereactions. In addition to her academic work, Dr. DiAngelo has extensive experience as a workplace consultant in issues of race relations and racial justice. Dr. DiAngelo has numerous publications and books, including *Is Everyone Really Equal: An Introduction to Key Concepts in Social Justice Education* (co-written with Özlem Sensoy), and *What Does it Mean To Be White? Developing White Racial Literacy*. Her latest book, *White Fragility: Why It's So Hard To Talk To White People About Racism* came out in June and debuted on the New York Times Bestseller List.

Intersections and Interventions – Making Visible the Invisible Violence of Power

Dr. Yasmin Jiwani (March 2019)

More details here: <http://www.sfu.ca/education/gs/degreediploma/masters/ci-equity/ese-lectures.html>

This presentation focuses on the role of the mainstream media in making visible, hyper-visible and invisible the violence of power. Through intersectional frames of analysis of specific spectacular cases of violence, Dr. Jiwani interrogates how frames make certain bodies legible by situating them in a matrix of meaning that rationalizes certain kinds of responses and valuations of worthiness and grievability. Dr. Jiwani ends with an examination of various tactical interventions as pedagogies of hope in countering and talking back to the violence(s) of power.

Dr. Yasmin Jiwani is Professor in the Department of Communication Studies, and a Concordia University Research Chair in Intersectionality, Violence and Resistance. Her research interests focus on a critical interrogation of the discursive ways in which racist-sexism is conceptualized and ideologically utilized in popular discourse. The particular sites which she has examined include media reportage of violence against Indigenous and racialized immigrant women, representations of Indigenous and Muslim youth in the popular press, as well as discourses of resistance articulated by marginalized groups in film and other popular media. Her most recent project is centered on cyber-memorials and virtual graveyards as reflections of the vernacular. Here, her analysis attends to race, gender and belonging as expressed in the narratives posted on these sites. She is the author of *Discourses of Denial: Race, Gender and Violence*, and co-editor of *Girlhood, Redefining the Limits*, and *Faces of Violence in the Lives of Girls*.

Presentation was recorded and the video was made available to the public via CELS' website.

Co-sponsored by School of Communication and FASS

Notable media successes

- Özlem Sensoy was interviewed for an audio article published in the Memphis Mirror. The article written by Nick Lingerfelt addresses the phenomenon of “fake news” and how citizens can be more vigilant about media content they encounter. The article was published on April 22, 2019 at <http://memphismirror.com/the-proliferation-of-lies-misinformation-spreads-like-wildfire-online-before-it-can-be-contained/>
- Wanda Cassidy was interviewed by freelance journalist Christine Frangou for an article on cyberbullying at post secondary, to be published in University Affairs Magazine.

Events, workshops, public outreach events:

WEBSITE UPDATE

The CELS website: www.sfu.ca/education/cels

This year we continued to move the CELS website towards the common look and feel of other SFU sites.

As of January 2015, CELS began tracking the traffic to the website using Google Analytics. In the 2018/19 fiscal year, 74% of the traffic originated from Canada, 6% from Iran, 4% from Turkey, with another 4% from the USA, plus additional traffic from over 129 other countries representing all continents.

Visitors to the CELS website are primarily first-time visitors (91%). During the period covered by this report, there were approximately 469 visitors to the website per month, for a total of 6,652 sessions and 10,318 pageviews.

The Bilingual Corner features continued to attract the most visitors to the CELS website although no new features have been published since May 2017. These articles comprise four of the top 10 most visited pages on the website.

The CELS home page, teaching and classroom resources pages, personnel, publications, upcoming events, and videos are also frequently visited. The “share” button functionality added to the site has allowed hundreds of visitors to share material found on the CELS website.

CELS developed two films in 2014 and 2015. These films continue to be viewed with regularity. During the period covered by this report, the film *On Racism and Whiteness* featuring an interview with Dr. Robin DiAngelo was viewed 743 times on our website (116 times this fiscal year) and 1118 times on Vimeo. The film on the legacy of Isidore Starr, *Leading a Revolution in Civics*, was viewed 317 times on our CELS website and Vimeo account and 596 times on Vimeo. Collectively these two films had a cumulative total of 2,774 views.

Two more films are being developed for the upcoming year. Dr. Gerald Walton from Lakehead University Graduate Studies in Research and Education and Dr. Colette Langos from University of Adelaide Law School were interviewed for the production of additional films in the Scholar Interviews series.

CLICK LAW

We worked with Clicklaw (www.clicklaw.bc.ca) to set up a Google AdWords campaign to bring additional traffic to the CELS resources that are cross-posted on Clicklaw. Users continued to gravitate toward these CELS resources and, in particular, to the resources updated to reflect the new BC curriculum.

PRESENTATIONS

Between April 1, 2018 – March 31, 2019, Dr. Sensoy was a featured speaker or panelist at the following events, which engaged both the scholarly and the wider communities:

Beck, K., Sensoy, Ö., Francis, J. (March 4, 2019). In conversation with... Guest speaker Dr. Carl James at: It's not all about recruitment: Support and retention are essential to the practice of EDI. Equity Diversity and Inclusion event hosted by the VPA Simon Fraser University, Burnaby.

Beck, K., Lee, E., Sensoy, Ö., Smythe, S. (Oct 13, 2018). Dismantling the walls of the Ivory Tower from the inside: Professors' struggle for equity in the academy [symposium]. Teaching Equity is Central conference, Central Washington University, Ellensburg, WA.

Sensoy, Ö., Beck, K., Cassidy, W., Chinnery, A., Dharamshi, P., Han, H., Jordan, S., Lee, E., Marshall, E., O'Neill, S., Parent, A., Smythe, S., Vanderwey, D. (June, 2018). One step forward, two steps back: Professors' struggle for equity in the academy. Critical Ethnic Studies Association annual conference. UBC Vancouver.

Sensoy, Ö. (April 27, 2018). Invited panelist. Y'Allah Muslim girls! The pedagogy of real and fictional Muslim girl justice fighters. Symposium: Commemorating the Past and Envisioning the Future of the Center for Multicultural Education. Center for Multicultural Education, University of Washington, Seattle, WA.

During this fiscal year, Dr. Cassidy was a featured speaker at the following conferences.

Cassidy, W. (2018, September). Cyberbullying, female professors, and precarity: Can care ethics impact university culture? Care Ethics Research Consortium (CERC) First Annual Conference. Portland, Oregon.

Cassidy, W., & Langos, C. (2018, September). Freedom of expression in the digital world. National Law-related Education Conference, American Bar Association. Chicago.

Cassidy, W. (2018, July). Educating children in human rights: words, but no action. A Child's World – New Shoes New Direction International Conference. Aberystwyth University, Wales.

Sensoy, Ö., Beck, K., Cassidy, W., Chinnery, A., Han, H., Jordan, S., Lee, E., Marshall, E., O'Neill, S., Smythe, S., Vanderwey, D. (2018, June). One step forward, two steps back: Professors' struggle for equity in the academy. Critical Ethnic Studies Association Annual Conference. Vancouver, University of British Columbia.

AMERICAN BAR ASSOCIATION, Public Education Division, CONFERENCE STEERING COMMITTEE
Dr. Cassidy served on the Steering Committee for this bi-annual conference held in Chicago, Illinois September 2018, on the theme of "Free Speech Today." This conference attracted teachers, teacher educators, academics, program developers, senior policy advisors, and members of the legal community from across the USA and Canada.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Wanda Cassidy and Özlem Sensoy

Director's Comments:

In the past year, Dr. Sensoy took on the major administrative and programmatic responsibilities of CELS, as a result of Dr. Cassidy's appointment as Associate Dean, Graduate Studies in Education. Dr. Faucher continued in her role as CELS Coordinator on a part-time basis, updating and managing the website and other projects.

The CELS website continues to be a feature of our work with educators and the public. We are pleased to learn that our proposal to the Law Foundation on Islam and Muslims, initiated by Dr. Sensoy, will be funded. This project will be a focus of CELS during the next two years.

Additionally, CELS is currently editing two new Scholars and the Law video interviews (with Drs. Walton and Langos), to be posted on the CELS website this summer, and hope to interview two additional scholars for this series in the coming year. We are pleased to be part of co-sponsoring the excellent Equity Studies in Education public lectures series, with two lectures planned for this year.

CELS has also had preliminary discussions with Big Data at SFU (Fred Popowich and Avishkar Kapoor) about the possibility of working collaboratively with them on an international cyberbullying research project, although no specific proposal has been made.

And finally, we also anticipate having to revise our three undergraduate law-related education courses, in light of the changes at the Centre for Distance Education. This work will likely begin in the fall semester.

In closing, we are grateful to the Faculty of Education Dean's Office for its ongoing support of CELS, and look forward to another productive year.

Dean's section**Reviewed by:**

Kris Magnusson

Dean's Comments:

CELS is a very active Centre and is one of the higher profile research centres within the Faculty. They continue to do excellent work, both in the generation of knowledge and in the mobilization of knowledge in a variety of academic and public venues. I particularly wish to commend both Director Dr. Wanda Cassidy and Associate Director Dr. Ozlem Sensoy for maintaining excellent standards during times of difficulty. In particular, Dr. Sensoy has shouldered additional responsibilities while Dr. Cassidy has been serving as Associate Dean for the Faculty, and has maintained a vital presence for the Centre. I recommend continuance of the CELS in the highest terms.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for the Study of Educational Leadership and Policy

Website: <https://www.sfu.ca/education/cselp.html>

Director: Pidgeon, Michelle

Faculty: Education

Director's Term End

Renewal Date 4/1/2023

Details

Description of the Centre/Institute:

The Centre for the Study of Educational Leadership and Policy (CSELP) engages the education community in the production and dissemination of research, in order to strengthen policy and practice.

The Centre/Institute's membership and organization structure:

The work of the Centre is guided by its Steering Committee in consultation with an advisory board. CSELP's Advisory Board consists of individuals who have shown a demonstrated commitment to the development of educational leadership and policy. CSELP's research agenda is specifically realized through the work of the Steering Committee and affiliated scholars, with the help of affiliated graduate students.

Most significant accomplishments:

1. Constructive Deliberations Symposium Series
2. CSELP communication updates: website updates and creation of social media account for CSELP.
3. Continued support of IJEPL
4. Continued support of Summer Institute for Community Graduate Programs.

Notable media successes

CSELP sponsored the live feed of a session of the Provosts Panel at the latest Canadian Society for Study of Higher Education (CSSHE) conference:

https://csshescees.files.wordpress.com/2019/05/2019_csshe_prog_20190528.pdf

Events, workshops, public outreach events:

The Constructive Deliberations Symposium Series.

Co-sponsored public lecture of visiting scholar: Dr. Carl Mika

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Michelle Pidgeon

Director's Comments:

While we have not secured new funding in this past year, we have been active as a Centre and aim to grow our presence both online and through our affiliated scholars. Notably, Dr. Deanna Rexe has expressed interest in applying for research funding in partnership with CSELP in 2019/2020.

Dean's section**Reviewed by:**

Kris Magnusson

Comments:

Recommend continuance of the CSELP

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	David Wheeler Institute for Research in Mathematics Education	Website:	website currently under revision
Director:	Campbell, Stephen	Faculty:	Education
Director's Term End		Renewal Date	4/1/2023

Details

Description of the Centre/Institute:

David Wheeler Institute for Research in Mathematics Education is a research group at Simon Fraser University, combining and integrating a variety of humanistic and scientific approaches in different areas related to Mathematics Education. The institute's mission is to generate and share knowledge about acquiring mathematical literacy and understanding at all ages and to advance humanity by enriching the lives and options of learners. Current research and outreach projects focus on mathematics teacher education in both cognitive and affective domains, on mathematical anxiety, on aesthetics of mathematical experience and on uses of computer technology that promotes learning and teaching.

We also have a special interest in advancing knowledge about the learning of mathematics in general, and situating this knowledge within the lived experiences of learners. We aim to do this by reaching out and drawing on international expertise in a variety of research initiatives. Through community outreach in real world settings, we strive to promote effective change that meets the needs of students, teachers, parents, and the community at large.

We believe in integration of research and practice; as such our outreach programs provide a platform for conducting classroom research and for implementing research results in practice. An important part of this process is ongoing collaboration among researchers and teachers and school districts, as well as the creation of partnerships with the families, administrators, and policy makers who will potentially benefit from our research. goals, values and interdisciplinary nature of education and obtain a grounding in models for learning and teaching about environmental issues in diverse curricula.

The stated objectives for the Institute include the following:

- 1) supporting our leading PhD program in Mathematics Education.
- 2) further promoting and revising off-campus programs in mathematical literacy
- 3) creating an off-campus program that supports secondary school teachers
- 4) establishing a national graduate students network
- 5) establishing relations with other centres for excellence and research institutes
- 6) establishing and strengthening existing national and international collaborative research and development projects
- 7) establishing lecture series
- 8) holding an annual mini-conference that brings together international scholars to work on a designated project
- 9) publishing a newsletter for teachers that brings together ideas from the variety of initiatives
- 10) establishing a family support centre at SFU that includes tutoring and enrichment programs

The Centre/Institute's membership and organization structure:

The Institute is co-directed by Professors Liljedahl, Sinclair, Zazkis, and Campbell. Membership includes our mathematics education graduate students and alumni, as well as visiting professors.

Most significant accomplishments:

This year, the Institute, in addition to on-going support of our annual mathematics education doctoral students conference (MEDS-C), and one book club meeting each semester for our doctoral students, has hosted the following visiting scholar: Alexia Bosque, Doctoral Candidate, University of Grenada, Spain

Events, workshops, public outreach events:

Workshops conducted by Kate Patten, Adjunct Professor, Outreach Coordinator

April 2019 Workshop: : Affect Regulation for Caregivers to Montessori Child Care, Coquitlam, BC January 2019

Workshop: Affect Regulation for Teachers and Educational Assistants, for School District #75 Mission

October 2018 Workshop: Affect Regulation for Educators, for School District #78 Fraser-Cascade

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Stephen Campbell

Director's Comments:**Dean's section****Reviewed by:**

Kris Magnusson

Comments:

The Wheeler Institute has met many of its stated objectives, and in fact does a very good job of integrating mathematics education graduate students into the culture of the academy through its various activities. The individual scholarly records of the faculty members are excellent, but one comment for consideration for the Wheeler Institute would be to find ways to further develop Goal #6 (establishing and strengthening existing national and international collaborative research and development projects), which has not received as much attention as the forms of graduate student support and engagement.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Bill Reid Centre for Northwest Coast Art Studies

Website: <http://www.sfu.ca/brc.html>

Director: Myles, Bryan

Faculty: Arts and Social Sciences

Director's Term End 12/31/2018

Renewal Date 4/1/2023

Details

Description of the Centre/Institute:

Using digital technologies and new media, the Bill Reid Centre for Northwest Coast Studies seeks to (1) encourage community and academic conversations regarding the material and visual culture of Northwest Coast First Nations, and (2) promote public understanding and respect for the First Peoples of the Northwest Coast past and present.

The Centre/Institute's membership and organization structure:

The Centre is headed by a Director and governed by a Steering Committee. The Director of the Centre is an SFU faculty member (Dr. Rudy Reimer/Yumks) appointed by the Dean, Faculty of Arts and Social Sciences under advisement from the Centre's Steering Committee.

The Steering Committee consists of 5 members including the Director, who also serves as Chair. The Chair of the Department of First Nations Studies is a defacto member of the Steering Committee.

Despite having numerous contributors and collaborators, the BRC does not currently have an official membership list.

Most significant accomplishments:

See attached document

Notable media successes

Vancouver Sun, January 24, 2019: "New Heiltsuk website explores 6,000 year old village"

SFU News, January 25, 2019: New website re-awakens thousands of years of Heiltsuk Nation voices

CJSF 90.1 FM Interview with Bryan Myles re: Bill Reid Centre on National Indigenous People's Day (06/21/2018)

Events, workshops, public outreach events:

- Install of Húyat Exhibit
- Hosting Heiltsuk community for website launch
- Collaborations with Bill Reid Foundation on various exhibit media
- Photo repatriation to Mamililikulla First Nation
- Collaboration with Haico (Haida Development Corporation) on ecotourism resources for villages of Chaatl and Kaisun
- Photographic heritage and research collaborations with Creekstone Press, National Film Board of Canada, American Museum of National History, Museum of Vancouver, Wellcome Collection (UK), Renton History Museum, Vancouver Heritage Foundation, and a number of community and academic researchers.

- Hosted Indigenous Art walks at Burnaby Camus for CRIM 135, Education PDP class, Fraser International College FNST 101, and Indigenous students summer Math Camp.

Additional documents:

[Top 3 accomplishments.pdf](#) (attachment below)

Membership Form

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

\$85,000 from private donors this year

\$20,000 matching funds from Mitacs Postdoctoral fellowship.

\$10,000 partial beneficiary of a SSHRC Connection Grant for Huyat install and event

Confirm policy review

Yes

Submitted by:

Bryan Myles

Director's Comments:

Dean's section

Reviewed by:

Lisa Shapiro

Dean's Comments:

The Bill Reid Centre brought to fruition an interactive digital exhibit that is the result of an 8 yr collaboration with the Heiltsuk people, focused on Huy'at -- a culturally important landscape in Heiltsuk territory in BC's Central Coast, hosted a Mitacs Postdoctoral Fellow, who will assist in arts and cultural heritage exhibits. The BRC continues to collaborate with Indigenous communities on how to leverage its collections. The Centre has also successfully approved a Constitution as a governance document. Please note that the Constitution indicates that the Chair of First Nations studies as a member of the Steering Committee for the duration of his or her term. This is not the same as 'de facto'. In addition the Constitution specifies a process for developing a membership list, and who can be a member. I encourage the BRC to encourage appropriate collaborators to formalize their connection to the BRC as members. It is currently initiated a strategic planning exercise to determine its future directions.

List the top 3 accomplishments of your Centre in this past year



Húy'at: Our Voices our Land

Húy'at: Our Voices our Land is a recently installed exhibit that utilizes touch-screen technology located in the BRC display area. The website around which the exhibit is based represents more than eight years of collaboration between the Heiltsuk people, Simon Fraser University, University of Victoria, the Hakai Institute, and producers from Greencoast Media. The website and exhibit illuminates thousands of years of Heiltsuk voices and history.

The project uses video, photos and stories to present an engaging overview of Heiltsuk connections to Húy'at (*Hoi-yaht*), one of an immense network of culturally important landscapes in Heiltsuk territory on the Central Coast of British Columbia. It is where the Heiltsuk have lived for millennia, learning from and caring for the land, plants and animals on which they depend.

SFU archaeology professor Dana Lepofsky, academic lead for the web-site project, says it grew out of the community's desire to document their connection to their lands and seas for their own communities and for others. The website's integrated approach aligns with Indigenous worldviews, which see connections among people and their history that move fluidly across boundaries of space and time."

Says Heiltsuk Chief Marilyn Slett, "With this publicly accessible website, we're sharing our inseparable connection with our homelands as it holds true for all First Nations up and down the coast. We believe the Húy'at website will become a great resource for schools and for people who are interested in better understanding First Peoples' culture."

To celebrate the launch of the website, the BRC hosted the Heiltsuk and their many collaborators at SFU's Burnaby campus where all were able to share their experience working on the project and the profound impact the website has had and will have on the Heiltsuk community.

You can visit the website at www.hauyat.ca, and the exhibit at SFU Burnaby (Saywell Hall 10073)



Museums and the Web 2018, Vancouver April 18-21

[ímesh \(To Walk\): The “App”lication of Indigenous Art and Landscapes at Simon Fraser University](#), Bill Reid Centre at Simon Fraser University, Canada

The MW (Museums and the Web) conferences convene annually in North America and Asia. The meetings and proceedings feature advanced research and exemplary applications of digital practice for cultural, natural and scientific heritage. Formed by leading professionals from around the world, the community has been meeting since 1997, and showcases the best projects in cultural heritage innovation.

MW 2018 was held in Vancouver where the Bill Reid Centre presented a paper on its recent mobile app titled ímesh, meaning to walk in the Squamish language. The paper presented a narrative account of the theory, circumstances, and the scholarship that has guided the app project, and presents examples of how the app seeks to decolonize art and landscape in the context of SFU Burnaby. However, the paper's primary focus was the argument that giving authority to Indigenous perspectives regarding land and art can disrupt the dominant paradigm of settler society, and bring about understanding and respect by requiring the inquirer to be open to different realities.

The paper was very well received and marks the first peer-reviewed publication for the Bill Reid Centre. The paper was one of a small number selected for inclusion in the printed proceedings on the basis of its perceived enduring value for the field as well as the quality of the research and writing.



Mitacs Postdoctoral Fellow, Aynur Kadir

The BRC has leveraged a charitable contribution from Charles and Gayle Pancerzewski to host a Mitacs postdoctoral fellow, as well as successfully negotiated a community partnership with the Bill Reid Foundation to act as the partner organization that will host the fellow.

Mitacs is a national not-for-profit organization that has designed and delivered research and training programs in Canada for 20 years. The organization was originally dedicated to supporting applied and industrial research in mathematical sciences and associated disciplines, but has been open to all disciplines since 2007. Mitacs postdoctoral fellowships are highly coveted and provide a minimum annual salary of \$55,000 and a training curriculum valued at \$7,500. In order to hold the fellowship, participating fellows are required to work closely with a partner organization on a research project beneficial to that organization.

Our fellow, Aynur Kadir, recently obtained a PhD from SFU Surrey's School of Interactive Arts and Technology (SIAT). Aynur is an interdisciplinary scholar, and ethnographic filmmaker who works with communities in northwest China, and the Pacific Northwest to document, manage, and safeguard Indigenous cultural heritage. Aynur is the first ever recipient of a Mitacs fellowship who will conduct her work in the arts and cultural heritage field.

Aynur's work with the Bill Reid Foundation and Bill Reid Centre has focused on the creation of art and heritage exhibits that are grounded in digital media and documentary film. She has made significant contributions to the BRC's exhibit *Huyat: Our Voices Our Land*, and along with

students from her IAT 344 filmmaking class, has made a number of outstanding media contributions to current and upcoming exhibitions at the Bill Reid Gallery.

Both the BRC and the Bill Reid Foundation look forward to the many contributions Aynur will make over the next two years.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Policy Research on Science and Technology (CPROST) **Website:** www.sfu.ca/communication/research/centres/cprost.htm

Director: Jin, Dal-Yong

Faculty: Communication, Art and Technology

Director's Term End 6/30/2020

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

CPROST was established in 1988. Its primary research is the relationship between public policy and social impact of technology. The centre brings together practitioners and scholars to study the interaction of advances in science and technology, its implementation in the marketplace, and the impact on community and individual interests.

The Centre/Institute's membership and organization structure:

SFU members: Dal-yong Jin (CMNS), Adam Holbrook (CMNS), Richard Smith (CMNS), Bruce Clayman (Physics), Peter Chow-White (CMNS), Peter Anderson (CMNS), Anil Hira (Political Science), Elicia Maine (Business),

Other members:

Florence Chee (Loyola University, Chicago), Brian Wixted (University of Saskatchewan).

Visiting Scholars:

Song Daejong (Korea Intellectual Property Office), Yang Jaesok (Korea IPO), Kee Yeongju (Seoul National University), Han Hwan Oh (KISTEP)

Most significant accomplishments:

- 4th annual conference of the SSHRC mutli-partner project "Creating Digital Opportunity" held in the Wosk Centre, 25 - 27 April, 2018, funded by SSHRC
- conference on digital storytelling in the Korean context, Jun 8/9, 2018 at Harbour Centre

Events, workshops, public outreach events:

Media Democracy Day (contributor)

Financial Summary

Does your institute receive direct financial support from the University?

Yes

SFU Account Number

Account 13-N876118

Opening Balance:

\$5,476.40

Revenues:

\$475.97

Expenditures:

\$1,464.44

Closing Balance:

\$4,487.93

Financial Report:

[CPROST-FAST.pdf](#)

List of major equipment provided by the University

none

University Personnel

part-time administrative assistance from CMNS administrative staff

Space provided by the University

Office space at Harbour Centre, over and above that provided to full-time faculty.

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Funding comes through awards to individuals by SSHRC. We do not have a complete list, but we know that SSHRC has given grants to Dal-yong Jin, Peter Chow-White and Adam Holbrook. In 2018/19 many other CPROST members had research grants (from SSHRC, NSERC, and CIHR, for example). CPROST does not have access to the number or amounts of these grants and/or contracts.

Dr. Jin has established a conference and study program funded from Korean sources. This program paid in \$23,760.00 to the 21-fund account. It has been put into a separate account in FY 19/20

Members of CPROST make small contributions to CPROST to cover annual operating expenses (the CPROST 13 fund)

Confirm policy review

Yes

Submitted by:

J. Adam Holbrook, Associate Director

Director's Comments:

In the absence of the director, Dr. Jin., I believe the above fairly represents CPROST programs and budgets for 2018/19

Dean's section

Reviewed by:

Ellen Balka, Associate Dean (Research), FCAT

Comments:

After indicating in last year's report that CPROST was under performing, and after consultation with both Dr. MacNamara (past Dean, FCAT) and Dr. Chow-White (past Director, School of Communication), I communicated with Dr. Jin (current Director) and Mr. Holbrook (long-standing CPROST Associate Director) about the new Centres and Institutes Policy (R40.01, Revision B-2), and shared it with them both. I then met with Prof. Jin, provided a copy of the revision of Policy 40.01, outlined changes which would need to occur to support continuation of CPROST, and offered my support bringing CPROST into compliance with policy R40.01. Dr. Jin indicated that he was interested in continuing CPROST. I spoke to

him about the difference between the mandate of a Centre (membership from more than one department within a faculty) and an Institute (cross-faculty as well as external), and suggested he seek to broaden membership in CPROST beyond a single unit in FCAT, or, given the strength of Dr. Jin's international connections, that he consider seeking institute status. I did however stress that as per Policy R 40.01 (Revision B-02), for continuation (as either a centre or an institute), that there needed to be evidence that a) the existence of a Centre (or Institute) allowed its members to achieve more than they could as individuals, on their own, and b) an up to date web site needed to be present.

While there has been some activity as a result of these efforts (notably, a new web site, which regrettably contains several errors (e.g., incorrect titles and credentials; failure to distinguish between members and affiliate members; failure to correct reference to CPROST as an institute on its home page, after this was pointed out) and remains incomplete (e.g., lists publications of only 1 member, does not include a full current list of grants or funders, membership list in the report and on the web differ, etc.), a number of shortcomings persist.

Among the shortcomings are:

- Membership within FCAT is entirely within the School of Communication;
- There is no evidence of Centre activity of most members;
- Membership list includes those ineligible to be members;
- No record of required governance documents (e.g., evidence of annual meetings) has been submitted.

No proper financial plan has been submitted, and current grant numbers and funders are not listed in a meaningful way on the web page (information is vague, and, for example, suggests that funds have been received from all tri-council agencies when this is not the case).

Reports from the 2 most recent years have not been submitted by the director, and have been submitted well beyond the deadline, with numerous errors (this year's report contained so many errors a complete re-write was requested).

The Dean's office recognizes that Professor Jin is interested in continuing CPROST and has suggested to him in prior conversations that past membership and activities may better meet the mandate of an institute than a Centre under SFU Policy 40.01. The Dean's office has offered our assistance, and have also indicated that while we support Prof. Jin in his desire to continue CPROST, that any enthusiasm for continuation of CPROST must be accompanied by active engagement on the part of Professor Jin (or another Director who is a tenure track faculty member), if it is going to continue.

In light of information contained in the report submitted for the year ending March 31, 2020 (which suggests that this is the last year in CPROST's current 5 year mandate), continuation is only recommended beyond this fiscal year in the event that criteria outlined in the revision of Policy 40.01 are met. In other words, a renewal application should be submitted PRIOR to January 1, the web site errors must be corrected, membership must be expanded, governance documents reviewed and followed, and a sustainability plan developed. Most important, there should be evidence indicating that CPROST allows members to achieve more than they could on their own as individual researchers (or as a research group), in order to justify a continued allocation of space and mandate to CPROST.

Please do not hesitate to contact me if you have any questions.

Ellen Balka (Associate Dean, Research), FCAT

cc: Owen Underhill, Dean Pro Tem, FCAT.

SFU FAST System

Printed: 7/31/2019
Report Filter: User: dbaukun Project: S210054 CPROST Service ContractsPeriod: Mar-2019 (Closed)

Fund	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
21	Specific Purpose Projects (SP)	0.00	17,034.44	17,034.44	-23,760.00	-20,783.33	0.00	37,817.77
	Total	0.00	17,034.44	17,034.44	-23,760.00	-20,783.33	0.00	37,817.77

SFU FAST System

Printed: 7/31/2019
Report Filter: User: dbaukun Project: S210054 CPROST Service ContractsPeriod: Apr-2018 (Closed)

Fund	Description	Budget Original	Budget Adjustments	Total Budget	Apr-2018 Cur.Month	Apr-2018 YTD.Actuals	O/S Encumb.	Balance Available
21	Specific Purpose Projects (SP)	0.00	17,034.44	17,034.44	-231.42	1,768.58	0.00	15,265.86
	Total	0.00	17,034.44	17,034.44	-231.42	1,768.58	0.00	15,265.86

SFU FAST System

Printed: 7/31/2019

Report Filter: User: dbaukun Fund: 21 Specific Purpose Projects (SP) Project: S210054 CPROST Service ContractsPeriod: Mar-2019 (Closed)

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
Revenues								
4012	BC Grant General	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4055	Other Fed Grant and Contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4162	Nonprofit - Contract	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4899	Other Revenues	0.00	0.00	0.00	-23,760.00	-31,260.00	0.00	31,260.00
	Subtotal	0.00	0.00	0.00	-23,760.00	-31,260.00	0.00	31,260.00
Expenses								
5372	Hourly Staff - Student	0.00	0.00	0.00	0.00	-57.20	0.00	57.20
5432	Sals Undergrad RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5440	Sals Doctorate RA Cdn	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5442	Sals Doctorate RA Foreign	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5842	Speaker and Consult Fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00	0.00	-1.51	0.00	1.51
6010	Computer Hardware under 5k	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6090	Equipment - General under 5K	0.00	0.00	0.00	0.00	588.25	0.00	-588.25
6092	Equipment - General over 5K	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6116	Books and Publications	0.00	0.00	0.00	0.00	304.95	0.00	-304.95
6199	Materials and Supplies - Other	0.00	0.00	0.00	0.00	220.12	0.00	-220.12
6512	Postage Courier and Delivery	0.00	0.00	0.00	0.00	40.83	0.00	-40.83
6520	Printing and Duplication Exp	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00	0.00	3,049.50	0.00	-3,049.50
6660	Telecommunication Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6662	Long Distance Phone Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6916	Facility and Event Expenses	0.00	0.00	0.00	0.00	300.00	0.00	-300.00
7000	Employee Travel Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7002	Employee Field Travel Expenses	0.00	0.00	0.00	0.00	1,802.29	0.00	-1,802.29
7020	Non-Employee Travel Expenses	0.00	0.00	0.00	0.00	3,500.00	0.00	-3,500.00
7030	Visitor Travel Expenses	0.00	0.00	0.00	0.00	271.43	0.00	-271.43

Object	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
7040	Conference Registration	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7050	Meals Expenses	0.00	0.00	0.00	0.00	248.01	0.00	-248.01
7414	MECS Internal Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7418	Print-Digital Svcs Intrnl Chrg	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7460	Safety Risk Services Charges	0.00	0.00	0.00	0.00	60.00	0.00	-60.00
7468	Information Services Charges	0.00	0.00	0.00	0.00	150.00	0.00	-150.00
7915	Budget Balance Forward	0.00	17,034.44	17,034.44	0.00	0.00	0.00	17,034.44
	Subtotal	0.00	17,034.44	17,034.44	0.00	10,476.67	0.00	6,557.77
.								
Assets								
1300	Travel Advances Receivable	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	17,034.44	17,034.44	-23,760.00	-20,783.33	0.00	37,817.77

SFU FAST System

Printed: 7/19/2019
Report Filter: User: dbaukun Project: N876118 Cprost AdminPeriod: Mar-2019 (Closed)

Fund	Description	Budget Original	Budget Adjustments	Total Budget	Mar-2019 Cur.Month	Mar-2019 YTD.Actuals	O/S Encumb.	Balance Available
13	Internal Research (OR)	0.00	5,952.37	5,952.37	67.62	1,464.44	0.00	4,487.93
	Total	0.00	5,952.37	5,952.37	67.62	1,464.44	0.00	4,487.93

SFU FAST System

Printed: 7/19/2019

Report Filter: User: dbaukun Project: N876118 Cprost AdminPeriod: Apr-2018 (Closed)

Object	Description	Period Actual	O/S Encumb.	Period Total Activity
5372	Hourly Staff - Student	0.00	0.00	0.00
5436	Sals Masters RA Cdn	0.00	0.00	0.00
5911	Welfare Benefits	0.00	0.00	0.00
6010	Computer Hardware under 5k	0.00	0.00	0.00
6090	Equipment - General under 5K	0.00	0.00	0.00
6092	Equipment - General over 5K	0.00	0.00	0.00
6100	Office Supplies	0.00	0.00	0.00
6116	Books and Publications	0.00	0.00	0.00
6120	Lab Equipment and Supplies	0.00	0.00	0.00
6164	Software License and Purchases	0.00	0.00	0.00
6199	Materials and Supplies - Other	352.59	0.00	352.59
6512	Postage Courier and Delivery	38.94	0.00	38.94
6520	Printing and Duplication Exp	0.00	0.00	0.00
6610	Consulting Services	0.00	0.00	0.00
6650	Advertising and Promotion	0.00	0.00	0.00
6660	Telecommunication Charges	744.00	0.00	744.00
6662	Long Distance Phone Charges	19.66	0.00	19.66
6999	Internal Expense Transfer	0.00	0.00	0.00
7000	Employee Travel Expenses	0.00	0.00	0.00
7020	Non-Employee Travel Expenses	0.00	0.00	0.00
7040	Conference Registration	0.00	0.00	0.00
7050	Meals Expenses	164.25	0.00	164.25
7414	MECS Internal Charges	0.00	0.00	0.00
7460	Safety Risk Services Charges	20.00	0.00	20.00
7468	Information Services Charges	125.00	0.00	125.00
7915	Budget Balance Forward	0.00	0.00	0.00
	Total	1,464.44	0.00	1,464.44

SFU FAST System

Printed: 7/19/2019
Report Filter: User: dbaukun Project: N876118 Cprost AdminPeriod: Apr-2018 (Closed)

Project	Description	Budget Original	Budget Adjustments	Total Budget	Apr-2018 Cur.Month	Apr-2018 YTD.Actuals	O/S Encumb.	Balance Available
N876118	Cprost Admin	0.00	5,952.37	5,952.37	475.97	475.97	0.00	5,476.40
	Total	0.00	5,952.37	5,952.37	475.97	475.97	0.00	5,476.40

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute:	Centre for Sustainable Development	Website:	http://www.sfu.ca/sustainabledevelopment/about-us.html
Director:	Atasoy, Yildiz	Faculty:	Environment
Director's Term End		Renewal Date	4/1/2020

Details

Description of the Centre/Institute:

The Centre for Sustainable Development is a research unit of Simon Fraser University. We use the resources and talents of the University to deepen understanding and create solutions to advance sustainable development. The Centre was affiliated with SFU's Sustainable Development Program, which offers related academic programs and courses. This affiliation has been terminated when the Sustainable Development Program has been integrated into REM's undergraduate program.

The Centre/Institute's membership and organization structure:

The Centre has a diverse and experienced team of sustainable development professionals. This team includes our director and steering committee, adjunct research faculty, post doctoral research fellow, and our undergraduate and graduate researchers and associates who engage in extensive, internationally focused sustainable development research projects.

Most significant accomplishments:

- 1- The Centre has collaborated with SFU's Pacific Water Research Centre to develop a collaborative capacity building and research project, titled "Dismantling Barriers and Improving the Quality of Education for Women and Girls in Fragile, Conflict and Crisis Situations". Our proposal has been submitted to Global Affairs Canada in February 2019 with a requested funding of Can\$ 7,823,200. Yildiz Atasoy, Director of the Centre for Sustainable Development, is Deputy Manager of the Project. Zafar Adeel, Director of Pacific Water Research Centre, is Managing Director of the project. This proposal has been developed collaboratively with the four implementing partners in the four countries: Jordan - the Royal Society for Conservation of Nature (RSCN), Lebanon - United Nations Economic and Social Commission for West Asia (UNESCWA), Turkey - Food and Agriculture Organization (FAO-Turkey) and Yemen - FAO-Yemen. Country-based activities will be implemented by these four partner organizations working closely with SFU.
- 2- The Centre has organized a three-event public engagement forum on international migration, food security, and climate change to be held at SFU Harbour Centre on September 14th, October 5th, and November 16th 2019. I am the principal organizer, working together with SFU's Lifelong Learning and SFU Public Square. Our invited scholars include: Dr. Harriet Friedmann (University of Toronto, Canada), Dr. Thomas Faist (University of Bielefeld, Germany), and Dr. Basak Kale (Middle East Technical University, Turkey). Total project funding is \$26,658.40, which has been secured from the David & Cecilia Ting Endowment (\$10,875), from SFU's Community Engagement Initiative (\$6,600), from VP Academic (\$2,000), and various units across SFU.
- 3- The Centre developed a Memorandum of Understanding (MOU) between SFU and the National Museums of Kenya, titled Collaboration for Capacity-Building and Research on Sustainable Development. The MOU was approved by SCIA and signed between these two institutions in 2019.

Notable media successes

N/A

Events, workshops, public outreach events:

The Centre has partnered with several SFU units including the Sustainable Development Program, SFU International, Sustainable SFU, SFU Lifelong Learning, SFU Public Square, SFU Civic Engage, SFU Morris J. Wosk Centre for Dialogue, Centre for Comparative Muslim Studies, TD Community Engagement Centre SFU Surrey, as well as others in the wider Metro Vancouver area which include: City of Vancouver, Immigrant Services Society of BC (ISS of BC), Vancity, MOSAIC, and DiverseCity, Surrey, BC.

Important public engagement activities include:

- 1- Centre Director Yildiz Atasoy continues to engage with the Sustainable Development Solutions Network (SDSN) Canada. She serves on the SDSN Advisory Committee set up for the development of a 'Sustainable Development Goals (SDG) Index for Canadian Municipalities' to benchmark municipal progress on the SDGs. The Index will be a valuable tool for municipal governments to align their visions of sustainability with the global SDG framework and explore how municipal leaders can set a framework for action to address the many sustainable development challenges affecting their communities.
- 2- The Centre has organized a three-event public engagement forum on international migration, food security, and climate change to be held at SFU Harbour Centre on September 14th, October 5th, and November 16th 2019. The forum engages with Metro Vancouver refugee communities. The forum aims to generate critical thinking, capacity and ecosystem building, and public awareness on the causes and consequences of international migration, with a unique focus on unsustainable food systems and food insecurity in the context of climate change. The lived experience of refugee communities is at the fore of these dialogues.

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

- 1- The SITKA FOUNDATION has funded a two-year Post-Doctoral Fellowship from the National Museums of Kenya to work on research related to sustainable community development and primate habitat preservation in Central Kenya. \$55,000 (2018-20).
- 2- The DAVID & CECILIA TING ENDOWMENT provided \$10,875 to be used for three-event public engagement forum on international migration, food security, and climate change to be held at SFU Harbour Centre on September 14th, October 5th, and November 16th 2019.

Confirm policy review

Yes

Submitted by:

Yildiz Atasoy

Director's Comments:

The Centre aims to become the central space for collaborative research and events for the implementation of the Sustainable Development Goals at SFU, in our community and internationally. The Centre's future is very promising, but due to a series of senior administrative decisions it has lost its operating budget; its access to endowment interest revenue; its physical space; and the Director's course release. All the above listed activities and others which are not listed were carried out with my own personal efforts and without a research assistant and financial support. I am saving the \$5,000 provided by the Dean of FENV for the research proposal development in Fall 2019. The Centre also lacks administrative assistance to deal with several important issues including, among others, website management. I was even told that I should learn how to manage the website. I would like to ask the new FENV Dean and the VPR to work with me as the Centre's new Director and my Steering Committee to chart an operational plan for the Centre; to ensure that the resources

and capacity exist to support both this immediate planning process and ensure a vibrant future for a unit that has been on the leading edge of sustainable development at SFU and across Canada for nearly three decades.

Dean's section

Reviewed by:

Ingrid Leman Stefanovic, Dean

Dean's Comments:

There are a number of items noted in this report that warrant some clarification:

1. It is surprising to me to note that the Director feels that the affiliation with the Sustainable Development program "has been terminated when the Sustainable Development Program has been integrated into REM's undergraduate program." The purpose of placing the SD program within REM was actually to ensure continuity and longevity of the program, thanks to REM's commitment. The Dean's office cannot be charged with running academic programs so this is a win-win for all. I would hope that the Director of the Centre would acknowledge this and continue to work with interested partners in REM. There is no reason to "terminate" any such affiliation between the Centre and the Program.

2. It is somewhat problematic to note that "due to a series of senior administrative decisions, it [the Centre] has lost its operating budget; its access to endowment interest revenue; its physical space; and the Director's course release." Let us be clear: it is not a matter of "senior administrative decisions" but rather, the donor (Simons Foundation) expressed serious concerns about how her endowment was being utilized by the Centre. The donor objected to the Centre's drawing a so-called "operating budget" from the Simons endowment so, upon her request, new terms of reference were drafted to direct funds to student scholarships instead. The Director is aware of this fact. As for physical space in West Mall, it was seriously under-utilized; for this reason, the Provost's Office requested release of that space to the Beedie School of Business, which was in dire need of such space. A course release for the Director has been provided in previous years. The Director should negotiate such a release, but only if she can justify that the output of this research Centre warrants such a release.

There are other issues noted above that could require some response. In general, there seem to me to be some serious, longstanding, continuing problems with this Centre, specifically in terms of respectful communication with the Dean's Office. I suggest that the Director meets with the new Dean and the Director of Administration as soon as possible to clarify expectations. This is the Faculty's only Research Centre that presents some challenges that require immediate resolution, if the Centre is to continue to warrant annual renewal.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Tourism Policy and Research **Website:** <http://www.sfu.ca/rem/tourism.html>

Director: Haegeli, Pascal **Faculty:** Environment

Director's Term End **Renewal Date** 4/1/2021

Details

Description of the Centre/Institute:

Around the globe, tourism is one of the largest and fastest growing economic sectors and it is one of the key industries of British Columbia with annual direct revenues well in excess of \$15 billion. The Centre for Tourism Policy and Research (CTPR) is a graduate research centre established by Simon Fraser University in cooperation with the Province of British Columbia. It operates as a research pod within the University's Faculty of Environment and is housed in the School of Resource and Environmental Management. The Centre's membership is comprised of Faculty of Environment members and graduate students conducting research related to tourism and recreation sustainable development issues as well as some external, mainly non-academic, members who represent the tourism and outdoor recreation sector. Its overall mission is to develop and disseminate knowledge that encourages more sustainable forms of tourism development. To achieve its mission, the Centre: i) Provides a focal point for inter-disciplinary graduate level studies and professional development related to tourism and recreation planning; ii) encourages and conducts policy, planning and management research that enhances the effective and sustained use of tourism and recreation resources; and, iii) facilitates the distribution of leading edge tourism and recreation research findings through participation in the development and delivery of tourism seminars, workshops, conferences and publications. The Centre seeks to be involved in a variety of research and educational pursuits that address academic as well as applied tourism planning and outdoor recreation management issues.

The Centre/Institute's membership and organization structure:

The CTPR's organization structure consists of a) core faculty members from the Faculty of Environment including their research teams, b) affiliate external faculty members, and c) an advisory committee of external tourism industry representatives. The various entities consist of the following members:

a) Core faculty members

- Pascal Haegeli: REM Assist. Professor, Director of CTPR – Avalanche Risk Management
- Sean Markey: REM Professor – Sustainable economic development in rural communities
- John Welch: REM/Archeology Professor – Heritage resource management
- Cliff Atleo: REM Assist. Professor – Indigenous governance, community development and political economy
- Tom Gunton: REM Professor – Resource and environmental planning
- Ken Lertzman: REM Professor – Forest ecology and management
- Murray Rutherford: REM Assoc. Professor – Environmental policy
- Alison Gill: REM/Geography Emeritus Professor – Sustainable tourism development
- Peter Williams: REM Emeritus Professor – Tourism planning and management

b) Affiliate external faculty members

- Richard Porges: Vice President Corporate Development at Destination BC, REM Adjunct Professor
- Len Hunt: Government researcher, Human Dimensions of Natural Resource Management at Ontario Ministry of Natural Resources, REM Adjunct Professor
- Ulrike Pröbstl-Haider: Professor, Institute of Landscape Development, Recreation and Conservation Planning at University of Natural Resources and Life Sciences in Vienna (Austria), REM Adjunct Professor
- Reto Rupf: Professor, Environmental Planning at the Zurich University for Applied Science in Wädenswil

(Switzerland)

c) Advisory committee

- Jason Faulkner: Founding partner Sea-to-Sky Gondola
- Laura Adams: Adventure tourism consultant
- Ian Tomm: Former executive director of HeliCat Canada

Most significant accomplishments:

Context

The Centre for Tourism Policy and Research (CTPR) of SFU has been an internationally renowned centre for research and graduate student training in tourism policy and development since its inception in the late 1980s. However, the recent loss of core faculty members due to retirement (Drs. Williams: 2015 and Gill: 2017) and passing (Haider: 2015) has resulted in a fundamental change in its research capacity and industry network. While the research activities of past CTPR faculty members were centred on tourism (e.g., sustainable tourism planning and management, outdoor recreation and protected area planning), the research agendas of current CTPR core faculty members do not have their main focus on tourism anymore. However, the existing research and management expertise is still highly relevant for the local tourism sector as it offers valuable support for addressing some of the biggest challenges and threats that the tourism sector in British Columbia currently faces. Examples of current issues include establishing a land use and economic development policy environment that recognizes tourism as being equal to the resource extraction industry that has dominated the economic landscape of rural British Columbia for a long time, strengthening relationships and collaborations with First Nations, better managing interactions with public recreation, and meaningfully adapting to climate change. Hence, the tourism-relevant areas of research expertise available within the CTPR (e.g., land use planning, sustainability, economic development, First Nations governance and relations, risk management, user groups studies, conflict resolution, cultural heritage management, ecological studies and climate change adaptation) matches very well with the current needs of the tourism sector. Furthermore, the CTPR's policy focus, "resource management lens" and connection to the well-known Master's in Resource Management Program (MRM) and Resource and Environmental Planning Program clearly distinguishes it from the more hospitality-focused tourism programs offered at other postsecondary institutions in British Columbia. This puts the CTPR into a unique position to assist British Columbia's tourism sector to address some of the most pressing challenges and become a world-leader in nature-based experiences.

While the CTPR has the necessary research expertise to assist the tourism sector in their challenges, it currently lacks the resources and active presence in the tourism arena to effectively capitalize on this unique opportunity. In the academic year 2017/18, the CTPR activities therefore focused heavily on increasing awareness and recognition of the CTPR through strengthening industry relationships, finding ways to increase capacity, and demonstrating value to the industry through applied research projects. This included a) organizing and hosting a 1-day think-tank workshop for British Columbia's Coalition for Adventure Tourism (CAT) on challenges and opportunities, and b) submitting a formal request to the BC government in collaboration with CAT asking for financial support to hire a part-time managing director for the CTPR for three years. I viewed this position as a critical step for unlocking the CTPR's research potential, reestablish its presence in the local and international tourism communities, and developing a long-term strategy to success.

Despite the initial great enthusiasm by stakeholders, these two initiatives did not result in new resources for the CTPR due to a variety of reasons, (incl. leadership changes in CAT, suboptimal timing for BC Ministry of Tourism, Arts & Culture). Furthermore, the current hiring priorities of SFU's School for Resource and Environmental Management (REM)—the physical home of the CTPR—do not include any tourism-related positions for the foreseeable future. Hence, the CTPR can currently only encourage existing faculty members to strengthen the linkages between their personal research interests and the needs of the local and international tourism community.

Given this background, the 2018/19 activities of the CTPR can be summarized as follows:

1) Continued informal search for external funding/support

Pascal Haegeli (CTPR Director) and Wanda Dekleva (FENV Director of Advancement) continued conversations with Jason Falkner (CTPR Advisory Board) to brainstorm about opportunities to get industry support for the CTPR. Recent informal conversations with the new leadership of the CAT (Dave Butler) and HeliCat Canada (Ross Cloutier) indicated renewed interest to potentially work with the CTPR. Furthermore, Joanna Curry mentioned the CTPR during a recent visit with the BC Government in Victoria and received a positive response. However, none of these leads have materialized so far.

2) Develop student opportunities

Pascal Haegeli (CTPR Director) has been in conversation with Reto Rupf (Zurich University of Applied Sciences, Wädenswil, Switzerland) to establish a MOU to facilitate the short-term exchange of students between Rupf's tourism-focused environmental planning research group and the CTPR research groups.

3) Applied research in tourism related areas by faculty members

When possible, CTPR faculty member continue to conduct high-quality, applied research in tourism-related fields. Examples include:

a) Pascal Haegeli (REM): Avalanche safety research

Pascal Haegeli's research is focused on developing knowledge and practical tools to enable backcountry travelers to make better informed decision about when and where to expose themselves to avalanche hazard. He works closely with the helicopter and snowcat skiing industry, a key player of BC's adventure tourism industry, and Avalanche Canada, the Canadian non-for-profit agency providing private recreationists with up-to-date information on avalanche conditions for winter backcountry trips in the mountains of western Canada. Some of Pascal Haegeli's recent and current tourism-relevant projects include i) advancing the snowpack modeling capabilities in Canada to improve avalanche forecasting in data-sparse regions, ii) studying the avalanche risk management practices of professional mountain guides, iii) examining the use, comprehension and application of Avalanche Canada's daily bulletins by recreationists, and iv) developing a framework for increasing the effectiveness of social science research for advancing avalanche safety.

b) Sean Markey (REM): Sustainable rural economic development

Sean Markey's research concerns issues of local and regional economic development, rural and small-town development, community sustainability, and natural infrastructure. In many rural communities in British Columbia, tourism is an important component of the local economy. Examples of tourism-relevant research activities of Sean Markey's research group include conducting a study of principles and practices of community economic development for the BC Ministry of Forest, Lands, Resource Operations and Rural Development, and co-authoring the social sustainability report of HeliCat Canada, the trade association of Canadian helicopter and snowcat skiing operations.

c) John Welch (Archeology/REM): Heritage resource management

John Welch has remained closely involved in planning and implementing the adaptive rehabilitation of the Fort Apache and Theodore Roosevelt National Historic Landmark, White Mountain Apache Tribe lands in Arizona, to accommodate increased tourism-driven economic development and community-driven recreation, education, and cultural perpetuation. He has published two book chapters about this topic in 2018.

d) Alison Gill (Geography/REM – emeritus): Sustainable resort development

Despite being retired, Alison Gill remains an active researcher focusing on community development and planning issues in tourism environments. In 2018/19, she published one peer-reviewed journal article and

several book chapters on related topics, gave a keynote at the Tourism Naturally Conference in Kaprun, Austria, and conducted invited workshops at several universities.

Notable media successes

While CTPR faculty members have been featured in the media throughout the year for their personal research, the CTPR itself did not have any media appearances.

Events, workshops, public outreach events:

All of the CTPR faculty members are conducting community-engaged, applied research that involves close collaborations with communities and outreach events.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Pascal Haegeli

Director's Comments:

The CTPR is in a unique position to provide high-quality research support to the local tourism sector to address some of their biggest and most pressing policy issues. There is no other academic research centre in Canada that has a comparably long tradition in conducting policy-relevant tourism research or offers an equally diverse range of relevant research and management expertise. However, limited resources and not having at least one faculty member being primarily focused on tourism research prevents the Centre from seizing this opportunity and reaching its full potential.

Unfortunately, our efforts to secure external funding for revitalizing the CTPR and ensuring its continuing success have so far been unsuccessful. Hence, my priorities for the 2019/20 academic year continue to focus on finding external funding opportunities. The re-strengthening of the Coalition for Adventure Tourism, and the priorities included in new tourism strategy recently published by the BC Ministry for Tourism, Arts & Culture ("Welcoming Visitors - Benefiting Locals - Working Together" <https://www2.gov.bc.ca/gov/content/tourism-immigration/tourism-resources/bcs-tourism-framework>) make me hopeful that opportunities for the CTPR are on the horizon. However, it will take a concerted effort from FENV, REM and CTPR to capitalize on these opportunities in a meaningful way and not to be beaten by other research initiatives, such as the British Columbia Regional Innovation Chair Tourism and Sustainable Rural Development at Vancouver Island University (<https://research.viu.ca/bcrictourism>).

CTPR faculty members will also continue to provide research support to the tourism sector whenever opportunities arise.

I would like to thank all CTPR members and the Faculty of the Environment for their continued support of the CTPR.

Dean's section

Reviewed by:

Ingrid Leman Stefanovic, Dean

Comments:

The Centre provides a unique perspective on tourism that I believe will ultimately attract much-needed external resources. There has been some good progress in identifying community partners. Under the able directorship of Dr. Pascal Haegeli, the Centre's mission is clear and I hope that the new Dean, Dr. Naomi Krogman, and Wanda Dekleva, Director of Advancement, will be able to assist in finalizing external support to enable further successes of the Centre.

I am pleased to support renewal of the Centre, in the hope and expectation that the coming year will lead to success in advancement activities and donor commitments to this research unit.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Co-operative Resource Management Institute **Website:** <https://www.sfu.ca/rem/CRMI.html>

Director: Moore, Jonathan **Faculty:** Environment

Director's Term End **Renewal Date** 4/1/2021

Details

Description of the Centre/Institute:

The Cooperative Resource Management Institute (CRMI) aims to link academic and government scientists towards effective natural resource management. This unit on the Burnaby campus also houses personnel from natural resource management agencies. The Institute can facilitate solutions to difficult multidisciplinary issues in resource management by providing an environment where personnel from different management agencies such as fisheries can work side-by-side along with Simon Fraser University faculty, graduate students, post-doctoral fellows, and research associates. The university benefits from a greater concentration of expertise in environmental management on campus and from new opportunities and funding for multidisciplinary, collaborative research programs. Graduate students and other young scientists also gain valuable experience working with agency scientists. The agencies involved with the Institute benefit from cooperative work with SFU researchers.

The Centre/Institute's membership and organization structure:

CRMI membership consists of both on-campus and off-campus members. These members are either SFU faculty or provincial/federal scientists who actively collaborate with SFU scientists. The organizational structure of this institute is that it has a director, Jonathan Moore, and an advisory board that provides guidance to the institute. The advisory board consists of Ingrid Stefanovic (Dean of Faculty of Environment), Sean Cox (director of REM), Davis Patterson (federal scientist), and Brett van Poorten (provincial scientist).

Most significant accomplishments:

1. CRMI members have successfully linked their science with policy-makers, decision-makers, and the broader community such as through serving on expert panels, leading structured decision making workshops to evaluate invasive species, leading workshops and thinktanks, and leading technical scientific contributions to decision-makers.

2. CRMI members published 51 papers and reports on applied resource management issues. Three examples of impactful applied papers include:

- a. van Poorten led a paper that demonstrated how population viability analysis – a commonly used recovery management tool for minimizing probability of extinction for species at risk – could be used to determine approaches for eradicating invasive species. The model was presented and three case studies were evaluated: smallmouth bass (invasive in lakes throughout southern BC), northern pike (invading the transboundary reach of the Columbia River) and zebra mussels (an ongoing threat to BC waters).
- b. Patterson co-authored a paper that provided pragmatic advice to commercial fishers on ways to mitigate against the myriad of capture stressors that lead to mortality of discarded fish. This was developed by working with local fishing groups, fisheries managers, and government researchers.
- c. Braun and Bradford wrote a peer-reviewed report for the Canadian Science Advisory Secretariat to provide advice to the habitat management branch of DFO (the Fisheries Protection Program) on the current monitoring approaches used to determine if placer mining is impacting aquatic health of watersheds in the Yukon Territory. This identified key information gaps and changes required to improve monitoring of placer impacts. This work may lead to future research opportunities for graduate students to collaborate with DFO researchers and managers.

3. Co-advising graduate students in applied resource management. CRMI provides a venue to bring together academic and agency scientists to provide top-notch training for graduate students at the application of resource management. CRMI members currently supervise at least 34 graduate students. Examples include:

- a. David Patterson (DFO) and Sean Cox (SFU) are co-advising a REM graduate student, Angus Straight, who is working on developing a quantitative model to better account for spatial variation in salmon fisheries in the Fraser River.
- b. Nikki Kroetsch is coadvised by David Patterson (DFO) and Jonathan Moore (SFU) and is working on a stream monitoring project with a variety of local streamkeeper groups bordering Burrard Inlet and Howe Sound. The project connects government researchers at West Vancouver Lab and academic partners at SFU, with local community groups interested in scientific research and monitoring of fresh water fish and their habitat.
- c. Luke Warkentin is supervised by Jonathan Moore (SFU) with Doug Braun (DFO) on cumulative effects and salmon, working closely in association with First Nations as well as provincial and federal fisheries managers.
- d. Colin Bailey is supervised by Jonathan Moore (SFU) with Trevor Davies (provincial scientist) to examine the ecology of and dynamics of imperiled steelhead.
- e. Jessica Edwards is supervised by John Reynolds (SFU) and Doug Braun (DFO) on the ecology and sustainability of a community-based co-managed gooseneck barnacle fishery.

Notable media successes

CRMI members continue to do impactful research (>50 publications) that attract media attention. For example, Moore and his collaborative research on glacial retreat and salmon was featured in The New York Times.

Events, workshops, public outreach events:

Scott Harrison was a project judge for Science World's BC Green Games Program.

Trevor Davies led recreational fishery stakeholder engagement, discussing limitations of stock assessment and their incorporation of data.

Jonathan Moore and 6 co-authors wrote a formal submission for the BC Wild Salmon Strategy. There was follow-up engagement with decision-makers and politicians—for example, Moore participated in an invited phone meeting with Minister Laura Popham and other minister on BC Wild Salmon Strategy.

Jonathan Moore gave an invited talk on “Hidden Salmon Biodiversity in an Era of Global Change” to the Freshwater Fisheries Society of British Columbia – BC Government Fisheries Technical Committee Meetings in Kelowna, BC.

Jonathan Moore was on the steering committee and a keynote speaker for the Resilient Waters event that brought together planners, scientists, and farmers to discuss flood protection, fish, and farming in the lower Fraser River.

Mike Bradford participated in the Yukon Salmon Resiliency Conference in Whitehorse.

Brett van Poorten designed and delivered a structured decision-making workshop to evaluate invasive species control options for smallmouth bass in Cultus Lake. Participants included members of BC Environment, BC FLNRO and DFO.

Brett van Poorten designed and delivered a structured decision-making workshop to evaluate invasive species control options for largemouth bass in Fusee Lake and yellow perch in New Lake (both in the Kootenay management region of BC). Participants included members of BC Environment, BC FLNRO, local angling organizations and First Nations.

Dave Patterson participated in the Fraser Panel (Canada-US bilateral panel) to predict en route mortality in Fraser sockeye.

Dave Patterson provided a research update and feedback to the Upper Fraser Fisheries Alliance (First Nations fisheries group).

Dave Patterson participated in the North Shore Stream Keepers AGM to provide a community monitoring project update.

Jonathan Moore gave an invited talk to the Pew Marine Fellows at their annual meeting on “Shifting marine mammals and salmon”, Sooke, BC 2018.

Jonathan Moore gave an invited talk to the Nuu-Chah-Nulth Tribal Council at Anacla on “Salmon genetics for stewardship”.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Director Moore received an award for \$89,700 from Fisheries and Oceans Canada from the Ocean and Freshwater Science Contribution Program (OFSCP) for the project “Towards integrative watershed cumulative effects: from mountains to fish.” This project includes supports to bring together scientists and practitioners, including those in CRMI, to discuss approaches and applications in watershed cumulative effects that will inform effective fish and fish habitat management.

Confirm policy review

Yes

Submitted by:

Jonathan Moore

Director's Comments:

There is a strong history of mutually beneficial partnerships between SFU and government scientists as facilitated by CRMI and I believe it has an important future. Government agencies are continuing to invest in natural resource management and there is a continued need for applied research and the next generation of applied scientists. In turn, I believe that CRMI contributes substantially to multiple aspects of SFU Strategic Research Vision and SFU engagement with the world.

One of the key aims of CRMI is to foster collaborations for impactful applied research. Success towards this aim is evidenced by a diverse suite of co-advised graduate students tackling important topics, impactful papers on a variety of resource management issues, and a broad suite of engagement leadership.

We have been working to strengthen and solidify the institutional relationship between DFO and SFU, a core partnership at the heart of CRMI. Towards this end, we have updated the Memorandum of Understanding and are in the final stages of evaluation and approval by both parties.

It was also exciting to successfully receive funding that can be more directly tied to CRMI research and collaborative activities. Such support will enable CRMI to further develop as a hub for impactful applied science.

As Director of CRMI, I am looking forward to continuing to build academic-government partnerships and working together to identify key opportunities for partnerships.

Dean's section**Reviewed by:**

Ingrid Leman Stefanovic, Dean

Dean's Comments:

Under Jonathan Moore's able leadership, the CRMI has undergone an important rejuvenation, with a clearer vision of how the partnership with DFO can be mutually beneficial. I have no doubt that this upward trend will continue as new opportunities for collaboration are identified.

There has been some discussion about renaming the Institute to a Centre. These conversations will continue amongst the members and the new Dean of the Faculty of Environment.

I am happy to support renewal of the CRMI under Jonathan Moore's leadership.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Pacific Water Research Centre (PWRC) **Website:** <https://www.sfu.ca/pwrc.html>

Director: Adeel, Zafar **Faculty:** Environment

Director's Term End 6/30/2021 **Renewal Date** 4/1/2020

Details

Description of the Centre/Institute:

Universal water security and sustainable aquatic ecosystems lie at the core of sustainable human, economic, and social development. Climate change impacts, anthropogenic pressures such as urbanization and population growth, deteriorating ecosystem quality, and aging water infrastructure all pose serious challenges that must be overcome. The Pacific Water Research Centre was created in 2015 in response to these existing and emerging challenges – a research and knowledge hub that addresses these water challenges through targeted research, partnership-based initiatives, and policy-relevant outputs.

The vision of the Faculty of Environment's Pacific Water Research Centre (PWRC) is to promote and mobilize research that addresses water issues on multiple scales ranging from local communities to national to global.

To achieve this vision, PWRC connects critical findings from natural science, social science, and humanities research domains with local knowledge to inform policy and support change. In doing so, the Centre provides a forum for advancing evidence-based research and supporting concrete social change. The Centre fosters community partnerships that build a common understanding of water values, which is critical to the success of its research endeavors.

The Centre/Institute's membership and organization structure:

The PWRC connects people and organizations to advance evidence-based research (science and local knowledge) and societal change. Its members are drawn from faculty and students across SFU; alliances with key individuals outside the SFU are formalized through associate membership. Targeted project-based partnerships are developed with institutions and organizations both within and outside SFU, as needed.

The PWRC Advisory Board (AB) guides the Executive Director on all aspects of PWRC's strategic engagement, program implementation, and institutional development, in accordance with SFU principles and policies. The AB composition reflects PWRC's focus on water-related themes and includes persons who have experience, qualifications and recognized competence in the disciplines and themes related to the objectives of PWRC. The AB comprises up to six individuals who are appointed for a four-year period, with the possibility of renewal for a second two-year term. The PWRC Executive Director and Dean of the Faculty of Environment serve as ex-officio members of the AB.

The PWRC Steering Committee (SC) provides strategic advice and operational guidance to the Executive Director of PWRC in accordance with the SFU principles and policies. The SC comprises faculty members from SFU and representatives from the graduate and undergraduate student body. The SC members are selected for a two-year period, with the possibility of renewal.

Most significant accomplishments:

PWRC led the development of a tri-national, intergovernmental project to develop a common methodology for assessing the cost of extreme floods in Canada, Mexico, and the United States. This two-year initiative will engage government agencies, community representatives, private sector partners and domain experts. The resulting cost assessment methodology is anticipated to enable regional collaboration in applied and targeted research on future impacts of extreme events, operations for mitigating impacts of extreme events, and coordinated policymaking among the three countries. This project is supported by the Commission for Environmental Cooperation and funded by the three federal governments.

PWRC led the creation of a new project called "Nutrition through Engagement and Agricultural Technology (N-EAT)" and secured significant operational funds for it. This project focuses on First Nations communities in British Columbia, Canada, aiming to enhance their self-reliance on sustainable, nutritious, and organic foods, while ensuring sustainable access to water and energy. It builds on and expands local and traditional knowledge in these communities and leads to the use of best practices. It seeks to ensure that these communities are resilient against impacts of climate change and other related environmental and social stresses. During 2018-2019, the N-EAT Project is focused on the Kitasoo/Xai'xais First Nations, located in Klemtu, BC.

"SFU Ban the Bottle" is a student-led initiative at the Burnaby Campus that aims to stop the sale of plastic water bottles from the campus. PWRC has fostered financial and logistical support for the initiative, which has attracted a dedicated group of undergraduate and graduate students. SFU Ban the Bottle has hosted multiple events since the Fall of 2018, aiming to educate the community on the harmful effects of these single use plastics. Most recently, Ban the Bottle and the Pacific Water Research Centre co-hosted a World Water Day 2019 (22 March) screening of a documentary and a panel discussion to help raise awareness and support surrounding this cause.

Notable media successes

1. Radio Interview "The Rational" - Co-Op Radio (29 Oct 2018). Dr. Andrew Wright (PWRC Adjunct Professor) and Dr. Nastaran Arianpoo (PWRC Research Associate)
2. Radio Interview w/ Adam Sterling - CFAX 1070 (22 Mar 2019): Sustainable water resources management in Canada and the world. Dr. Zafar Adeel (Executive Director, PWRC).

Events, workshops, public outreach events:**TO CATCH A FALLING SKY:**

PWRC created a new, public-oriented dialogue series in partnership with the Science World in Vancouver. This series, entitled "To Catch a Falling Sky" explores the challenges for water, energy, and food resources -- it adopts a solutions-oriented, forward-looking approach in selection of topics and speakers. Within this series the following public events were organized to date:

1. "A Climate of Change" (1 Nov 2018). Panelists: Hon. George Heyman (BC Minister for the Environment and Climate Change Strategy); Tim Barton (Senior Transit Planning Engineer City of Vancouver); Jens Wieting (Senior Forest and Climate Campaigner Sierra Club BC)
2. "Sustainable First Nations' Futures" (7 Mar 2019). Panelists: Emilee Gilpin (a reporter with the National Observer); Dr. Cliff Atleo (a Tsimshian and Nuu-chah-nulth scholar at SFU); Judith Sayers (President of the Nuu-chah-nulth Tribal Council); Dara Kelly (a Leq'a'mel scholar at SFU).
3. "Metamorphosis Mitigations, Adaptations and Strategies for a Low Carbon Resilient Future" (9 May 2019). Panelists: Deborah Carson (Staff Lawyer West Coast Environmental Law); Matt Horne (Climate Policy Manager, City of Vancouver); Deborah Harford (Executive Director, ACT, SFU).

PWRC SEMINAR SERIES:

1. Marijuana, Water Rights and California's Drought (27 Mar 2018). Ms. Gita Kapahi, Director of the Office of Public Participation, State Water Resources Control Board, California.
2. Achieving Resilience via Green Infrastructure (9 Nov 2018). Deborah Harford, Executive Director, ACT (Adaptation to Climate Change Team), SFU.
3. Rain City Strategy: Making Green Infrastructure Mainstream in Vancouver (12 Dec 2018). Melina Scholefield, Manager, Green Infrastructure Implementation, City of Vancouver.
4. The Pelican's Rainbow (14 Mar 2019). Andrew Wright, Adjunct Professor, PWRC.
5. Plant Based Water Clarification (21 Mar 2019). Ghulam Hussain, Visiting PhD Scholar, PWRC.
6. Evaluating Green Stormwater Infrastructures: Effectiveness, Potential and Impediments (27 May 2019). Ghulam Hussain, Visiting PhD Scholar, PWRC.

OTHER EVENTS:

1. Science Communication Training (Nov 2018). Experiential learning for graduate students to develop competencies as science communicators and to make their research relevant to policy advisors and the public. Graduate students from SFU, UBC and UVic attended.
2. World Water Day (22 Mar 2019). Speakers: Sonia Furstenau (BC House Leader for BC Green Party), Lina Azeez (Connected Waters Campaign Manager, Watershed Watch), Rhiannon Moore (Researcher, Ocean Wise Plastics Lab).

Additional documents:

[PWRC Annual Report 2018.pdf](#) (attachment below)

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

1. Scenarios for Energy, Water and Food Security in North America, Research Project. (2017-2020) Funded by the Willow Grove Foundation: \$250,000.
2. Sustainable Potable Water and Greenhouse Crops, Queen Elizabeth Scholarship for Advanced Scholars (2018-2020). Funded by Universities Canada, and shared with Mechatronic Systems Engineering: \$500,000.
3. Nutrition through Engagement and Agricultural Technology (N-EAT) (2018-2019). Funded by the Willow Grove Foundation (\$100,000), SFU VP Research and International (\$5,000) and individual donors (\$10,000).
4. Costing Floods and Other Extreme Events (2018-2019). Funded by the Commission for Environmental Cooperation -- an intergovernmental organization that supports cooperation among the NAFTA partners to address environmental issues of continental concern (\$580,000).
5. Integrated Climate Action for BC Communities Initiative (ICABCCI), led by PWRC's Adaptation to Climate Change Team (ACT). Funded by the Real Estate Foundation of British Columbia (\$750,000).
6. SDG Water Solutions - a joint project between SFU and Griffith University (2019). Funded by SFU VP Research and International (\$13,500).

Confirm policy review

Yes

Submitted by:

Zafar Adeel

Director's Comments:

New initiatives and ongoing activities of PWRC during 2018 and early part of 2019 have played a significant role in building its reputation and credibility as a research centre. Two new partnerships in urban water management are particularly noteworthy, both have resulted in placement of SFU's graduate students in exciting research and professional environment - an approach that will continue in the long-term:

First, a growing engagement with the City of Vancouver aims to assess the application of green infrastructure as part of the city's efforts to achieve resilience against climate change.

Second, a concrete partnership with the Fraser Basin Council - as part of their Salmon-Safe Watch - to assess water quality in urban settings and to develop standardized monitoring methodologies.

PWRC also has significantly enhanced its public engagement and profile. A notable focus has been on engagement with the First Nations communities in BC. In addition to the N-EAT project with KITASOO/XAI'XAIS First Nations, PWRC has engaged in a dialogue on "Sustainable First Nations' Futures" (7 Mar 2019) and actively participated in the Indigenous Green Economy Conference (Vancouver, 13 Mar 2019).

Success in securing project funding has enabled PWRC to build new partnerships and directly engage SFU's graduate and undergraduate students in its research. In early 2019, a key stepping stone in that endeavour was the submission of an international proposal to Global Affairs Canada: "Women Leaders in Livelihoods and Water Security (WiLLOW)". This proposed 5-year project (\$8,095,000) focuses on gender-based education in the water sector to empower refugee and displaced women in the Arab region through leadership opportunities and expanded livelihoods.

Dean's section

Recommended decision

Reviewed by:

Ingrid Leman Stefanovic, Dean

Dean's Comments:

This Research Centre has attracted external funding and contributed to advancing understanding of critical issues around water, energy, food and climate change. My hope is that the Global Affairs Canada 5-year project will receive funding shortly, thereby ensuring long term sustainability of the Centre. The International Water Decade Alliance also shows some promise of advancing significant research collaborations both nationally and internationally.

I congratulate the Executive Director on his leadership and wish the Centre continuing success in the coming years.

Pacific Water Research Centre Annual Report

2018



SFU

FACULTY OF
ENVIRONMENT



PACIFIC WATER
RESEARCH CENTRE



N-EAT

Greenhouse in Klemtu, BC



Plants for the project
Photos by: Nasra Mire

RESEARCH UPDATES

The Faculty of Environment's Pacific Water Research Centre aims to promote and mobilize research that addresses water issues on scales ranging from local to global. Included below are some featured projects.

The UN-funded project on **Women, Water Security and Peacebuilding Nexus in the Arab Region** was successfully completed in November 2018. A major activity was organizing a symposium in Beirut, Lebanon in collaboration with the United Nations (8-9 May 2018). The resulting policy brief has been widely disseminated.

A three-year project is investigating the nexus between **Water, Energy, and Food for North America**, including links to climate change and energy futures. The funding provided by the Willow Grove Foundations has made it possible to engage a full-time Research Associate for this project. The project team is interfacing with a number of research groups at SFU, notably the research team led by Professor Mark Jaccard.

The **International Water Decade Alliance** has continued to gain momentum, particularly through inclusion of two Australian universities. A key activity in the reporting period was a seminar organized at the Canadian Science Policy Conference (see page 8). With the inclusion of the Institute for Water Innovation at the University of Toronto, IWDA now has 25 organizations listed as its members.

A new project entitled **Nutrition through Engagement, and Agricultural Technologies (N-EAT)** was initiated in Fall 2018, which focuses on First Nations communities in Canada and rural communities in East Africa. It aims to enhance community self-reliance on sustainable, nutritious and organic foods, while ensuring sustainable access to water and energy. It builds on and expands local and traditional knowledge in these communities and leads to the use of best practices. It seeks to ensure that these communities are resilient against impacts of climate change and other related environmental and social stresses.

An ongoing project: **Engaging the Community to Build Flood Resistant Rain Gardens**. The focus of the project is to mobilize the community to learn about why and how rain gardens work to build flood resilience in residential, neighbourhood and community scales. This demonstration project, involving the three North Shore municipalities, engages local citizens, local government, NGOs, university researchers and students in shared learning about the role of rain gardens in improving water quality and managing storm water.

The **Integrated Climate Action for BC Communities Initiative (ICABCCI)** led by ACT (the Adaptation to Climate Change Team), is focused on integrating climate change strategies to reduce greenhouse gas emissions (mitigation) and vulnerability to climate change impacts (adaptation). Local governments and First Nations are working with ACT to build tools and resources designed to advance this approach, streamlining resources, increasing the effectiveness of climate action, and achieving a variety of co-benefits.

Advancements in FUNDRAISING

Under PWRC lead, a proposal for **Costing Floods and Other Extreme Events in Canada, Mexico and USA** was formally submitted to the Commission for Environmental Cooperation.

The 2-year, C\$580,000 project was approved at the time of this report's printing.

A joint proposal with Griffith University, Australia, entitled SDG Water Solutions was approved by SFU. The project aims to develop a joint research program between SFU and Griffith University to assess the achievement of the freshwater targets related to Sustainable Development Goals (SDGs) in selected countries and contribute towards addressing the knowledge gaps.

The Real Estate Foundation of British Columbia approved a three-year, \$750,000 grant for ACT's Integrated Climate Action for BC Communities Initiative (ICABCCI).





INTERNATIONAL WATER DECADE ALLIANCE

Water for sustainable development

2018-2028

The United Nations General Assembly (UNGA) adopted a resolution in December 2016 to designate a new decade focused on global water challenges. In 2018, SFU launched the International Water Decade Alliance (IWDA) a Canada-wide alliance of research institutions and related organizations to jointly host the secretariat for the International Decade for Action "Water for Sustainable Development."

Hosting such a global mechanism in Canada helps create new international research networks, capitalizing on the strength of Canadian water researchers and bringing together operating funds for the secretariat from multiple sources, while attracting new research funds. This new decade aligns with some of the highest priorities for Canada's foreign policy and development agenda, namely, Feminist

International Assistance Policy, climate change adaptation and enhanced resilience worldwide, support for implementation of the Sustainable Development Goals (SDGs), and upholding human rights worldwide (which include access to safe water and adequate sanitation). A number of Australian institutes have also joined the IWDA, given the similarities in Canadian and Australian policy objectives around water-related SDGs.

While a leadership role for Canada allows it to engage in water security issues around the world, it will also facilitate the implementation of the water-related SDGs within Canada and particularly focus on drinking water challenges for Canadian indigenous communities.

IWDA CORE FUNCTIONS

IWDA International
Water Decade
Alliance

Serves as a **platform for global dialogue** on water challenges that facilitates exchange of ideas, experiences, and innovative concepts. It generates new knowledge and synthesizes existing scientific research to provide evidence-based guidance to the UN Member States.

Supports the UN Member States through **development of capacity of individuals and institutions** to understand and respond to their respective water challenges.

Creates **networks of individuals and organizations** that are committed to achieving universal water security, including development of communities of practice.

Engages and inspires the general public through awareness raising about global, regional, national, and local water challenges, and provides tools and means for responding to water challenges.

IWDA MEMBERS

Assembly of First Nations - Aurora College - Australian Rivers Institute, Griffith University - Canadian Rivers Institute, University of New Brunswick - Canadian Water Resources Association - Centre for Indigenous Environmental Resources, Winnipeg - Council of the Great Lakes Region - Environmental Sustainability Research Centre, Brock University - Forum for Leadership on Water (FLOW) - Global Water Institute, Carleton University - Global Water Institute, University of New South Wales - Institute for Water Innovation, University of Toronto - International Institute for Sustainable Development - Laurier Institute of Water Science, Wilfred Laurier University - POLIS Project on Ecological Governance, University of Victoria - Program on Water Governance, University of British Columbia - Ryerson Urban Water, Ryerson University - the Water Institute, University of Waterloo - Trottier Institute for Sustainability in Engineering and Design, McGill University

Water Canada serves as the media partner.

PUBLIC OUTREACH AND COMMUNITY ENGAGEMENT

BRAINSTORMING FOR CANADA'S NATIONAL WATER VISION

NOVEMBER 9, 2018

This special symposium was organized as part of the Canadian Science Policy Conference in Ottawa (9 Nov 2018). This symposium was an activity of the International Water Decade Alliance, organized as a collaboration between PWRC and Ryerson Urban Water.



INNOVATE: NEW APPROACHES TO CANADIAN INTERNATIONAL COOPERATION

JUNE 6, 2018

This two-day symposium and DevLab brought together researchers, entrepreneurs, NGOs, funders, social innovators and technology experts to explore how social innovation and new technologies can enhance the delivery of Canadian aid, transform global development and fuel innovation in support of partnerships for sustainable development.



TO CATCH A FALLING SKY

NOVEMBER 1, 2018

A seminar series entitled To Catch a Falling Sky was initiated in collaboration with Science World. It is a conversation series that explores the challenges and solutions for water, energy, and food resources. Four to five seminars each year will be held at the Science World. The first seminar in the series, entitled "A Climate of Change" was organized on 1 November 2018; Hon. George Heyman (Minister for the Environment and Climate Change Strategy) was the keynote speaker. Videos of these discussions can be found at www.sfu.ca/fenv/events.

SEMINAR SERIES

The PWRC hosts seminars open to students, staff and faculty tackling a broad range of issues featuring a diversity of expertise.

RAIN CITY STRATEGY: MAKING GREEN INFRASTRUCTURE MAINSTREAM IN VANCOUVER

DECEMBER 12, 2018

Melina Scholefield, Manager, Green Infrastructure Implementation, City of Vancouver



ACHIEVING RESILIENCE VIA GREEN INFRASTRUCTURE: CONNECTING ECOSYSTEM HEALTH AND CLIMATE CHANGE

NOVEMBER 9, 2018

Deborah Harford, Executive Director, ACT (Adaptation to Climate Change Team), SFU Faculty of Environment

MARIJUANA, WATER RIGHTS AND CALIFORNIA'S DROUGHT

MARCH 27, 2018

Ms. Gita Kapahi, Director of the Office of Public Participation, State Water Resources Control Board, California



STUDENT ENGAGEMENT

The PWRC provides experiential learning and volunteer opportunities for students. It also fosters leadership to create positive change. Here are some of the ways the Centre engages with students.

WORLD WATER DAY

MARCH 22, 2018

This event was led by students and included a documentary on water management ('Water Blues, Green Solutions'), followed by a panel discussion. Students also organized an online photography competition.



COMPASS

SCIENCE COMMUNICATIONS TRAINING

The focus of this training effort was to develop competencies as science communicators and for graduate students to discover ways to make their work relevant to policy advisors and the public. Graduate students from Simon Fraser University, University of British Columbia and University of Victoria attended.

BAN THE BOTTLE

Ban the Bottle Initiative seeks to eliminate the sale of bottled water on SFU Burnaby campus. Led by a group of graduate and undergraduate students, the initiative has engaged in data collection on bottled water usage at SFU, developed public awareness information, and engaged students across the campus. The group has also engaged with SFU Sustainability Office and the SFU procurement team.



MEMBERS

ZAFAR ADEEL

Executive Director, Pacific Water Research Centre and Professor of Professional Practice, School of Resource and Environmental Management

NASTARAN ARIANPOO

Willow Grove Research Associate, Pacific Water Research Centre

JOANNA ASHWORTH

Director of Professional Programs and Partnerships and Research Associate/ Faculty Member, Centre for Sustainable Community Development

CLIFFORD ATLEO

Assistant Professor, School of Resource and Environmental Management

MAJID BAHRAMI

Canada Research Chair in Alternative Energy Conversion Systems and Professor, School of Mechatronic Systems Engineering

JENN BURT

PhD Student, School of Resource and Environmental Management Mechanisms driving high latitude kelp forest dynamics from local to regional scales

RYAN BRADLEY

Post Doctoral Fellow, Geography

TRACY BRENNAND

Professor/Chair, Department of Geography

JOHN CLAGUE

Professor Emeritus, Department of Earth Sciences

SEAN COX

Associate Professor and Chair, School of Resource and Environmental Management

LIZZIE DINGLE

Post-Doctoral Fellow, Geography

GWENN FLOWERS

Associate Professor, Department of Earth Sciences

DAWEN GAO

Adjunct Professor, PWRC and Professor of Environmental Science and Engineering, Harbin Institute of Technology, China

DEBORAH HARFORD

Executive Director, ACT (Adaptation to Climate Change Team), SFU Faculty of Environment

NICHOLAS HEDLEY

Associate Professor, Department of Geography

MARK JACCARD

Professor, School of Resource and Environmental Management

MARIA KAWAHARA

Master's student in Resource and Environmental Management working with Dr. Zafar Adeel.

DUNCAN KNOWLER

Associate Professor, School of Resource and Environmental Management

HANNAH KOBLUK

Master's student in Resource and Environmental Management, working with Dr. Anne Salomon.

KAREN KOHFELD

Canada Research Chair (II) in Climate Resource and Global Change, and Professor, School of Resource and Environmental Management

KEN LERTZMAN

Professor, School of Resource and Environmental Management

LANCE LESACK

Professor, Geography and Biological Sciences

MAUREEN MALONEY

Professor, School of Public Policy

SEAN MARKEY

Professor, School of Resource and Environmental Management

JONATHAN MOORE

Liber Ero Chair of Coastal Science and Management and Professor BISC/REM

NINA NICHOLS

Master's student in Resource and Environmental Management working with Dr. Zafar Adeel

JOHN PIERCE

Professor, Geography

JOHN RAGONE

Bachelor of Education candidate

MURRAY RUTHERFORD

Associate Professor, School of Resource and Environmental Management

ANNE SALOMON

Associate Professor, School of Resource and Environmental Management

INGRID LEMAN STEFANOVIC

Professor of Philosophy and Dean, Faculty of Environment and Member, PWRC Steering Committee

TIM TAKARO

Professor, Faculty of Health Sciences

JEREMY VENDITTI

Professor, Department of Geography

JOHN WELCH

Director of Graduate Program in Heritage Resource Management and Professor, Department of Archaeology and School of Resource and Environmental Management

KIRSTEN ZICKFELD

Associate Professor, Department of Geography

ANDREW WRIGHT

Adjunct Professor, Pacific Water Research Centre



Faculty of Environment, Simon Fraser University
Technology and Sciences Complex 2 (TASC 2), Room 8800
8888 University Drive
Burnaby, BC V5A 1S6
www.sfu.ca/pwrc

 @SFU_Water

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Applied Research in Mental Health and Addiction **Website:** www.sfu.ca/carmha.html

Director: Small, Will **Faculty:** Health Sciences

Director's Term End 6/3/2019 **Renewal Date** 4/1/2023

Details

Description of the Centre/Institute:

The Centre for Applied Research in Mental Health and Addiction (CARMHA) is an internationally recognized research centre based at the Faculty of Health Sciences, Simon Fraser University, Vancouver. CARMHA conducts innovative and interdisciplinary scientific research related to mental health and substance use, primarily in the areas of clinical or other intervention practice, health systems and population health and epidemiology.

With a focus on knowledge translation and policy and practice development, CARMHA's primary mission is to conduct research, generate evidence, and translate knowledge into policy and practice that is innovative, relevant and effective in preventing and reducing the burden of disease related to mental health and substance use.

CARMHA is committed to the academic training of undergraduate, graduate and post-graduate students and trainees, many of which are actively involved in research projects undertaken at CARMHA.

The Centre/Institute's membership and organization structure:

CARMHA is part of the Faculty of Health Sciences (FHS) and is based at SFU Harbour Centre. CARMHA members are Faculty Investigators based in FHS and the School of Nursing at UBC, and are supported by research and administrative staff within CARMHA in relation to centre-based projects.

Most significant accomplishments:

1.. Vietnam Partnership and Projects focused on mental health

In the past year, CARMHA completed a multiyear international study in Vietnam to provide and assess mental health support in community-based settings. From March 2016 to March 2019 CARMHA was awarded \$2M to roll out the Mental Health in Adults and Children – Frugal Innovations (MAC-FI) in partnership with Grand Challenges Canada, the Ministry of Labour, Invalids, and Social Affairs (MOLISA; Vietnam) Ministry of Health (Vietnam), UNICEF, the University of Melbourne, and other non-governmental organizations. The MAC-FI project implemented a supported self-management intervention using the CARMHA-developed Antidepressant Skills Workbook delivered by local social workers and social collaborators over a period of two months. In the past year, CARMHA has completed this project, with outcomes indicating effective depression care in Vietnam as a result of this work.

The team continues to work closely with the Vietnamese government to examine factors that influence scale-up and sustainability of the SSM intervention in a follow-up study funded by CIHR, entitled Implementation Research to Improve Scale-Up of Depression Services in Vietnam (IRIS-DSV), for the next five years.

2. Health Canada Substance Use and Addictions Program Funding

In December 2018, The Canadian Drug Policy Coalition (CDPC), a partner program based within CARMHA, secured over \$2.3 million dollars in funding from the Health Canada Substance Use and Addictions Program (SUAP) for a project entitled “Building Capacity and Moving to Consensus: A Canadian Dialogue on a Public Health Approach to Drugs”. CDPC will embark on delivering 54 community-based events across 18 different Canadian cities over the next three years. This will include leading dialogue workshops, consulting with people who use drugs, and organizing public fora across the country. The project aims to address misconceptions about substance use and reduce stigma related to substance use among decision-makers and the public, build capacity of current and future leaders to implement effective health promotion and harm reduction measures, and increase national awareness and understanding of drug-related issues.

3. Ministry of Health Partnership and Projects

In the past year, CARMHA has worked on two significant projects for the BC Ministry of Health, including the Needs-Based Planning of Mental Health and Substance Use Services in British Columbia project (‘Needs-Based Planning Project’) and Exploring Care Options for Individuals with Severe Substance Use Disorders in British Columbia (‘Involuntary Care Project’).

Between June 2018 and March 2019, CARMHA conducted the Involuntary Care Project which aimed to support the Ministry of Health’s efforts to comprehensively examine the complex public health and legal considerations related involuntary care in the treatment of substance use disorder under the BC Mental Health Act. This project involved an estimation of the population in need and development of preliminary recommendations for clinical guidance regarding involuntary care, as well as engagement with stakeholders regarding recommendations for implementation, monitoring, and evaluation. Key community stakeholders included representatives from Indigenous health and advocacy organizations, members of government, legal, ethical, and clinical professionals, and people with lived and living experience of substance use. CARMHA continues to work with the Ministry to disseminate the findings and recommendations that resulted from this project.

Additionally, CARMHA continued to execute Phase Two of the Needs-Based Planning Project, a multiyear project that aims to strengthen the system of care for mental health and substance use through the generation of detailed care pathways of the ideal suite of services for 13 DSM-5 groupings. In the past year, CARMHA has completed five disorder-specific expert panel meetings, completed a preliminary report on care recommendations for key substance use disorders, and created case algorithms and severity definitions utilizing administrative data for each disorder. CARMHA will complete Phase Two of the Needs Based Planning Project in fall 2019, and will continue to work closely with the Ministry to disseminate the findings, and develop a Third Phase of this work focused on needs assessment and implementation of recommendations regarding ideal suites of services.

Notable media successes

See attached report.

Events, workshops, public outreach events:

See attached report.

Additional documents:

[CARMHA Annual Activities Report 2018-2019 FINAL.pdf](#)

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

See attached report.

Confirm policy review

Yes

Submitted by:

Dr. Will Small

Director's Comments:

Over the past year CARMHA has continued to work toward our Centre objectives, and has been productive in terms of outputs and publications, as well as making progress with ongoing projects and securing additional funding to support key activities and initiatives undertaken in collaboration with partner organizations (including the First Nations Health Authority). Central within these achievements (as described in my narrative above) are the activities related to our research partnerships in Vietnam, research conducted for the BC Ministry of Health, and the increased funding supporting expanded community engagement obtained by the CDPC.

I believe the activities and outputs detailed in this report indicate that we have addressed the Centre's primary mission to conduct research, generate evidence, and translate knowledge, as well as fulfilled our commitment to support the academic training of students and trainees.

I anticipate that CARMHA will be similarly productive and successful in the next 12 months.

Dean's section**Reviewed by:**

Tania Bubela

Comments:

The activities of CARMHA align with the Faculty's Research Strategic Plan and I fully support the leadership of Dr. Will Small, who is engaging with a broader suite of faculty members in FHS. CARMHA continues to be a highly supportive training environment for students.

**Centre for Applied Research in Mental Health and Addiction
(April 1st 2018 – March 31st 2019)**

INFORMATION

Name:	Centre for Applied Research in Mental Health and Addiction
Schedule:	Research Centres
Reports to:	Faculty of Health Sciences (Tania Bubela)
Date Established:	2007-11-15
Approved by BOG:	2007-11-15
Renewal Date:	2023-04-01

OFFICE INFORMATION

Website: <http://www.sfu.ca/carmha>

Description: The Centre for Applied Research in Mental Health and Addiction (CARMHA) is an internationally recognized research centre based at the Faculty of Health Sciences, Simon Fraser University, Vancouver. CARMHA conducts innovative and interdisciplinary scientific research related to mental health and substance use, primarily in the areas of clinical or other intervention practice, health systems and population health and epidemiology. With a focus on knowledge translation and policy and practice development, CARMHA's primary mission is to conduct research, generate evidence, and translate knowledge into policy and practice that is innovative, relevant and effective in preventing and reducing the burden of disease related to mental health and substance use.

CARMHA is committed to the academic training of undergraduate, graduate and post-graduate students and trainees, many of which are actively involved in research projects undertaken at CARMHA.

Interim Director: Will Small

Academic credentials: PhD, Director, CARMHA, and Associate Professor, FHS; Research Scientist, BC Centre on Substance Use (BCCSU)

Term expiry date: 2020-08-31

Contact information: E: wsmall@sfu.ca, T: 778-782-3474

Members

Name	Institution	Department
Benedikt Fischer, PhD	Simon Fraser University	Faculty of Health Sciences
Craig Norris, MA*	Simon Fraser University	Faculty of Health Sciences
Daniel Vigo, DPH	Simon Fraser University	Faculty of Health Sciences
Denise Zabkiewicz, PhD	Simon Fraser University	Faculty of Health Sciences
Donald MacPherson, MA	Simon Fraser University	Faculty of Health Sciences
Emily Jenkins, PhD	University of British Columbia	School of Nursing
Hayami Lou, BA [‡]	Simon Fraser University	Faculty of Health Sciences
Iva Cheung, MSc, MPub*	Simon Fraser University	Faculty of Health Sciences
Jackson Nerland, BA	Simon Fraser University	Faculty of Health Sciences
Jill Murphy, PhD	University of British Columbia	Department of Psychiatry
John O'Neil, PhD	Simon Fraser University	Faculty of Health Sciences
Kanna Hayashi, PhD	Simon Fraser University	Faculty of Health Sciences
Leena Chau, MSc [‡]	Simon Fraser University	Faculty of Health Sciences
Margaret Erikson, MPH [§]	Simon Fraser University	Faculty of Health Sciences
Megan Kaulius, MA	Simon Fraser University	Faculty of Health Sciences
Mehdi Shirmaleki, MSc	Simon Fraser University	Faculty of Health Sciences
Pinky Hapsari, MSc	Simon Fraser University	Faculty of Health Sciences
Ridhwana Kaoser, MPH	Simon Fraser University	Faculty of Health Sciences
Ruth Lavergne, PhD	Simon Fraser University	Faculty of Health Sciences
Scott Bernstein, JD, MSc	Simon Fraser University	Faculty of Health Sciences
Tatiana Pakhomova, MPH [†]	Simon Fraser University	Faculty of Health Sciences
Wayne Jones, MSc	Simon Fraser University	Faculty of Health Sciences
Will Small, PhD	Simon Fraser University	Faculty of Health Sciences

* PhD student in the Faculty of Health Sciences, SFU

† Masters student in the Faculty of Health Sciences, SFU

‡ Enrolled as future student in the Faculty of Health Sciences, SFU

§ PhD student (other institution)

|| Masters student (other institution)

Publications, Presentations, Funding, & Service

PUBLICATIONS

1.1. Articles in Refereed Journals (published, in press or accepted)

Fischer, B., & Caswell, S. (2019). The New Zealand Government Mental Health and Addiction Inquiry recommendations on substance use: Some reflections from the science perspective. *New Zealand Medical Journal*, 132, 1497.

Fischer, B., Malta, M., Messas, G., & Ribeiro, M. (2019). Introducing the evidence-based population health tool of 'Lower-Risk Cannabis Use Guidelines' to Brazil. *Brazilian Journal of Psychiatry* [e-published 16 May 2019].

Andrews, C., Devlin, S., Le Foll, B., **Fischer, B.**, Tseg, F., Storr, M., & Congly, S. (2019). Canadian Association of Gastroenterology position statement: Use of cannabis in gastroenterological and hepatic disorders. *Journal of the Canadian Association of Gastroenterology*, 02(01), 37-43.

Fischer, B., Kurdyak, P., & Jones, W. (2019). Tramadol use patterns and trends in Canada, 2007 – 2016. *Pharmacoepidemiology & Drug Safety*, 28(03), 396-400.

Jutras-Aswad, D., LeFoll, B., Bruneau, J., Wild, T.C., Wood, E., & **Fischer, B.** (2019). Thinking beyond legalization: The case for expanding evidence-based treatment options for cannabis use disorders. *Canadian Journal of Psychiatry*, 64(02), 82-87.

Fischer, B., Pang, M., & Tyndall, M. (2019). The Canadian opioid death crisis: Lessons for public health. *Lancet Public Health*, 04(02), E81-82.

Varatharajan, T., Sabioni, P., Russell, C., Henderson, J., **Fischer, B.**, Miles, S., & Rehm, J. (2018). Assessing service and treatment needs of young people who use illicit and non-medical prescription drugs living in Northern Ontario, Canada. *F1000Research*, 7, 1-11.

Wickens, C., Mann, R., Brands, B., Ialomiteanu, A., **Fischer, B.**, Watson, T., Stoduto, G., Matheson, D., & Rehm, J. (2018). Driving under the influence of opioids: Self-reported prevalence and association with collision risk in a large Canadian jurisdiction. *Accident Analysis & Prevention*, 121, 14-19.

Fischer, B., Russell, C., Rehm, J., & Leece, P. (2018). Assessing the public health impact of cannabis legalization in Canada: Core outcome indicators towards an 'index' for monitoring and evaluation. *Journal of Public Health* [e-published 30 May 2018].

Fischer, B., Varatharajan, T., Shield, K., Rehm, J., & Jones, W. (2018). Crude estimates of prescription opioid-related misuse and use disorder populations towards informing intervention system needs in Canada. *Drug & Alcohol Dependence*, 189, 76-79.

Kurdyak, P., Jacob, B., Zaheer, J., & **Fischer, B.** (2018). Patterns of methadone maintenance treatment provision in Ontario: Policy success or pendulum excess? *Canadian Family Physician*. 64(2), e95-e103.

- Bruneau, J., Ahamad, K., Goyer, M.E., Poulin, G., Selby, P., **Fischer, B.**, Wild, C., & Wood, E. (2018). Management of opioid disorders: Clinical guideline synopsis. *Canadian Medical Association Journal*, 190(9), e247-e257.
- Socias, E., Jutras-Aswad, D., Ahamad, K., LeFoll, B., Lim, R., Bruneau, J., **Fischer, B.**, Wild, C., & Wood, E. (2018). The OPTIMA study, buprenorphine/naloxone and methadone models of care for the treatment of prescription opioid use disorder: Study design and rationale. *Contemporary Clinical Trials*, 69, 21-27.
- Trigo, J., Soliman, A., Quilty, L., **Fischer, B.**, Rehm, J., Selby, P., Barnes, A., Huestis, M., George, T., Streiner, D., Staios, G., & Le Foll, B. (2018). Nabiximols combined with motivational enhancement/cognitive behavioral therapy for the treatment of cannabis dependence: A pilot randomized clinical trial. *PLOS One*, 13(01), e0190768
- Russell, C., **Fischer, B.**, & Fidalgo, T. (2018). Diversion of prescription opioids for non-medical use: Are veterinarians the last frontier? *The Journal of Opioid Management*, 14(02), 77-82.
- Fischer, B.**, Vojtila, L., Jones, W., & Kurdyak, P. (2018). Developments, trends and patterns in prescription opioid dispensing in Canada, 2005 - 2016. *Pain Physician*, 21, 219-228.
- Russell, C., Room, R., Rueda, S., Tyndall, M., & **Fischer, B.** (2018). Routes of administration for cannabis use - basic prevalence and related health outcomes: A scoping review and synthesis. *International Journal of Drug Policy*, 52, 87-96.
- Fischer, B.**, Vojtila, L., & Rehm, J. (2018). The 'fentanyl epidemic' in Canada - some cautionary observations focusing on opioid-related mortality. *Preventive Medicine*, 107, 109-113.
- Fischer, B.**, & Rehm, J. (2018). Revisiting the 'paradigm shift' in opioid misuse? Developments and implications – 10 years later. *Drug & Alcohol Review*, 37(S1), S199-S202.
- Silva, F., Santos, F., Andrade, A., Pacheco, S., **Fischer, B.**, Pinho, J., Lemos, J., & Oliveira-Filho, A. (2018). Hepatitis C virus infection among illicit drug users in an archipelago region of the Amazon (Brazil). *Archives of Virology*, 163(03), 617-622.
- Fischer, B.**, Jones, W., Varatharajan, T., Malta, M., & Kurdyak, P. (2018). Correlations between population levels of prescription opioid dispensing and related deaths in Ontario (Canada), 2005–2016. *Preventative Medicine*, 116, 112-118. doi:10.1016/j.ypmed.2018.09.001
- Ho, J., DeBeck, K., Milloy, M.J., Dong, H., Wood, E., Kerr, T., & **Hayashi, K.** (2018). Increasing availability of illicit and prescription opioids among people who inject drugs in a Canadian setting, 2010-2014. *The American Journal of Drug and Alcohol Abuse*, 44(3), 368-377. PMID: 29048952.
- Reddon, H., Petter, T., Wood, E., Nosova, E., Milloy, M.J., Kerr, T., & **Hayashi, K.** (2018). Incidence and predictors of mental health disorder diagnoses among people who inject drugs in a Canadian setting. *Drug and Alcohol Review*, 37, S285-S293. PMID: 29168263.
- Klimas, J., Nosova, E., Socias, E., Nolan, S., Brar, R., **Hayashi, K.**, Milloy, M.J., Kerr, T., & Wood, E. (2018). Factors associated with discontinuation of methadone maintenance therapy among persons

who also use alcohol in Vancouver, Canada. *Drug and Alcohol Dependence*, 186, 182-186. PMID: 29604525.

Randhawa, G., Azabar, A., Dong, H., Milloy, M.J., Kerr, T., & **Hayashi, K.** (2018). Childhood trauma and inability to access hospital care among people who inject drugs. *Journal of Traumatic Stress*, 31(3), 383-390. PMID: 29924415.

Beaulieu, T., **Hayashi, K.**, Milloy, M.J., Nosova, E., DeBeck, K., Montaner, J., Kerr, T., & Ti, L. (2018). HIV serostatus and having a regular physician for hepatitis C among people who inject drugs. *Journal of Acquired Immune Deficiency Syndrome*, 78(1), 93-98. PMID: 29630030.

Young, S., Wood, E., Milloy, M.J., DeBeck, K., Dobrer, S., Nosova, E., Kerr, T., & **Hayashi, K.** (2018). Hepatitis C cascade of care among people who inject drugs in Vancouver, Canada. *Substance Abuse*, 27, 1-22. PMID: 29949450.

Cortina, S.C., Kennedy, M.C., Dong, H., Fairbairn, N., **Hayashi, K.**, Milloy, M.J., & Kerr, T. (2018). Willingness to use an in-hospital supervised inhalation room among crack cocaine users in Vancouver, Canada. *Drug and Alcohol Review*, 37(5), 645-652. PMID: 29873125.

Scheim, A., Nosova, E., Knight, R., **Hayashi, K.**, & Kerr, T. (2018). HIV incidence among men who have sex with men and inject drugs in a Canadian setting. *AIDS and Behavior*. doi: 10.1007/s10461-018-2185-3. PMID: 29876756.

Olding, M., **Hayashi, K.**, Pearce, L., Bingham, B., Buchholz, M., Nosyk, B., McKendry, R., & Barrios, R. (2018). Developing a patient-reported experience questionnaire with and for people who use drugs: A community engagement process in Vancouver's Downtown Eastside. *The International Journal of Drug Policy*, 59, 16-23. PMID: 29966804.

Vipler, S., **Hayashi, K.**, Milloy, M.J., Wood, E., Nosova, E., Kerr, T., & Ti, L. (2018). Use of withdrawal management services among people who use illicit drugs in Vancouver, Canada. *Substance Abuse Treatment, Prevention and Policy*, 13(1), 27. PMID: 29976225.

Socias, M.E., Wood, E., Kerr, T., Nolan, S., **Hayashi, K.**, Nosova, E., Montaner, J., & Milloy, M.J. (2018). Trends in engagement in the cascade of care for opioid use disorder, Vancouver, Canada, 2006-2016. *Drug and Alcohol Dependence*, 189, 90-95. PMID: 29894910.

Socias, E., Wood, E., Lake, S., Nolan, S., Fairbairn, N., **Hayashi, K.**, Shulha, H., Liu, S., Kerr, T., & Milloy, M.J. (2018). High-intensity cannabis use is associated with retention in opioid agonist treatment: A longitudinal analysis. *Addiction*, 113(12), 2250-2258. PMID: 30238568.

Jaffe, K., Dong, H., Godefroy, A., Boutang, D., **Hayashi, K.**, Milloy, M.J., Kerr, T., & Richardson, L. (2018). Informal recycling, income generation and risk: Health and social harms among people who use drugs. *International Journal of Drug Policy*, 60, 40-46. PMID: 30098498.

Prangnell, A., Nosova, E., Milloy, M.J., Wood, E., & **Hayashi, K.** (2018). The relationship between parental heavy drinking and non-fatal overdose among people who inject drugs in Vancouver, Canada. *Addictive Behaviors*, 89, 224-228. PMID: 30326463.

- Bozinoff, N., DeBeck, K., Milloy, M.J., Nosova, E., Fairbairn, N., Wood, E., & **Hayashi, K.** (2018). Utilization of opioid agonist therapy among incarcerated persons with opioid use disorder in Vancouver, Canada. *Drug and Alcohol Dependence*, 193, 42-47. PMID: 30340144.
- Lo, A., Kerr, T., **Hayashi, K.**, Milloy, M.J., Nosova, E., Liu, Y., & Fairbairn, N. (2018). Factors associated with methadone maintenance therapy discontinuation among people who inject drugs. *Journal of Substance Abuse Treatment*, 94, 41-46. PMID: 30243416.
- Meyers, S., Scheim, A., Jain, S., Sun, S., Milloy, M.J., DeBeck, K., **Hayashi, K.**, Garfein, R., & Werb, D. (2018). Gender differences in the provision of injection initiation assistance: A comparison of three North American settings. *Harm Reduction Journal*, 15(1), 59. PMID: 30514384.
- Socias, M.E., Ti, L., Wood, E., Nosova, E., Hull, M., **Hayashi, K.**, DeBeck, K., & Milloy, M.J. (2019). Disparities in uptake of direct-acting antiviral therapy for Hepatitis C among people who inject drugs in a Canadian setting. *Liver International*. PMID: 30653809.
- Richardson, L., Mammel, M., Milloy, M.J., & **Hayashi, K.** (2019). Employment cessation, long term labour market engagement and HIV infection risk among people who inject drugs in an urban Canadian setting. *AIDS and Behavior*. 28 Mar 2019. PMID: 30924066.
- Prangnell, A., Fairgrieve, C., Nosova, E., DeBeck, K., Milloy, M.J., & **Hayashi, K.** (2019). High prevalence of self-reported exposure to adulterated drugs among people who experienced an opioid overdose in a Canadian setting. *Substance Use & Misuse*. In Press.
- Moallef, S., Nosova, E., Milloy, M.J., DeBeck, K., Fairbairn, N., Wood, E., Kerr, T., & **Hayashi, K.** (2019). Knowledge of fentanyl and perceived risk of overdose among people who use drugs in Vancouver, Canada. *Public Health Reports*. In Press.
- Butler, A., Smith, M., **Jones, W.**, Adair, C.E., Vigod, S.N., Lesage, A., & Kurdyak, P. (2018). Multi-province epidemiological research using linked administrative data: A case study from Canada. *International Journal of Population Data Science* 2018, 3(3), doi: <https://doi.org/10.23889/ijpds.v3i3.443>.
- McBride, B., **O'Neil, J.**, Hue, T. T., Eni, R., Nguyen, C. V., & Nguyen, L. T. (2018). Improving health equity for ethnic minority women in Thai Nguyen, Vietnam: qualitative results from an mHealth intervention targeting maternal and infant health service access. *Journal of Public Health*, 40(2), ii32-ii41. doi:10.1093/pubmed/fdy165.6.
- McBride, B., Nguyen, L. T., Wiljer, D., Vu, N. C., Nguyen, C. K., & **O'Neil, J.** (2018). Development of a maternal, newborn and child mHealth intervention in Thai Nguyen Province, Vietnam: protocol for the mMom project. *JMIR Research Protocols*, 7(1), e6. doi: 10.2196/resprot.7912. PMID: 29326095.
- Murphy, J.**, Corbett, K.K., Linh, D.T., Oanh, P.T., & Nguyen, V.C. (2018). Barriers and facilitators to the integration of depression services in primary care in Vietnam: A mixed methods study. *BMC Health Services Research*, 18, 641. doi: 10.1186/s12913-018-3416.

Murphy, J., Oanh, P.T., Goldsmith, C.H., Jones, W., & Nguyen, V.C. (2018). Introducing supported self-management for depression to primary care in Vietnam: A feasibility study in preparation for a randomized controlled trial. *Families, Systems, & Health, 36*(2), 210-215. doi: 10.1037/fsh0000337.

Cheng, T., Nosova, E., **Small, W.**, Hogg, R.S., **Hayashi, K.**, & DeBeck, K. (2019). A gender-based analysis of nonmedical prescription opioid use among people who use illicit drugs. *Addictive Behaviors, 97*, 42-48. PMID: 31146150.

Gorfinkel, L., Klimas, J., Dong, H., Reel, B., Ahamad, K., Fairgrieve, C., Mclean, M., Mead, A., Nolan, S., **Small, W.**, Cullen, W., Wood, E., & Fairbairn, N. (2019). In-hospital training in addiction medicine: A mixed methods study of health care provider benefits and differences. *Substance Abuse, 28*, 1-7. PMID: 30689528.

Cheng, T., **Small, W.**, Dong, H., Nosova, E., **Hayashi, K.**, & DeBeck, K. (2018). An age-based analysis of nonmedical prescription opioid use among people who use illicit drugs in Vancouver, Canada. *Substance Abuse Treatment, Prevention, and Policy, 13*, 41. PMID: 30482215.

Boyd, J., Richardson, L., Anderson S., Kerr T., **Small W.**, & McNeil R. (2018). Transitions in income generation among marginalized people who use drugs: A qualitative study on recycling and vulnerability to violence. *International Journal of Drug Policy, 59*, 36-43. PMID: 29986270

Bardwell, G., Anderson, S., Richardson, L., Bird, L., Lampkin, H., **Small, W.**, & McNeil, R. (2018). The perspectives of structurally vulnerable people who use drugs on volunteer stipends and work experiences provided through a drug user organization: Opportunities and limitations. *International Journal of Drug Policy, 55*, 40-46. PMID: 29501928

Kerr, T., **Small, W.**, Ayuthaya, P.P.N., & **Hayashi, K.** (2018). Experiences with compulsory drug detention among people who inject drugs in Bangkok, Thailand: A qualitative study. *International Journal of Drug Policy, 52*, 32-38. PMID: 29227881.

1.2. Books/Chapters in Books or Non-Refereed Publications

Babor, T., Caulkins, J., **Fischer, B.**, Foxcroft, D., Humphries, K., Obot, I., Rehm, J., Reuter, P., Room, R., Rossow, I., & Strang, J. (2018). *Drug Policy and the Public Good* (2nd and revised edition). London/New York: Oxford University Press.

Murphy, J., Nguyen, V.C., Chau, L.W., O'Neil, J., Nguyen, V.H., & Minas, H. (2019). From Innovation to Scale: Policy Engagement for Enhanced Community-based Depression care in Vietnam. In: Okpaku S. (eds) *Innovations in Global Mental Health* (1-14). Springer, Cham. https://doi.org/10.1007/978-3-319-70134-9_83-1

1.3. Reports and Monographs

Vigo, D., Erickson, M., Pakhomova, T., Lou, H., Small, W. Exploring care options for individuals with severe substance use disorders in BC. Final Report. March 2019.

Vigo, D., Erickson, M., Pakhomova, T., Lou, H., Small, W. Exploring care options for individuals with

severe substance use disorders in BC. Preliminary Report. November 2018.

Vigo, D., Jones, W., Tallon, C., Kaoser, R., Hapsari, P., Chau, L., & Small, W. Preliminary Report #1: Need Estimates for Substance Use Disorders. May 2018.

Vigo, D., Jones, W., Hapsari, P., Kaoser, R., Nerland, J., Shirmaleki, M., Takaro, T., Tallon, C., Ewert, A., & Small, W. Need Estimates for Substance Use Disorders: Enhanced Preliminary Report #1. May 2019.

2. PRESENTATIONS

2.1. Invited Presentations

Fischer, B. (2019, March). *Key parameters and paths towards cannabis legalization in Canada* (host/co-presenter with Eric Costen, Health Canada). Faculty of Medical and Health Sciences, University of Auckland, Auckland, NZ.

Fischer, B. (2018, December). *Comments on Canada's cannabis legalization framework and lower-risk cannabis use guidelines*. Cannabis Regulation & Monitoring Conference, Montevideo, Uruguay.

Fischer, B. (2018, December). *Evidence-based prevention of cannabis use and health harms: The lower-risk cannabis use guidelines*. Journee de Sante Publique, Montreal, QC.

Fischer, B. (2018, November). *Two sides of Canadian drug policy*. Annual General Meeting, New Zealand Drug Foundation, Wellington, New Zealand.

Fischer, B. (2018, November). *Interventions for opioid-related mortality in Canada*. Drug-Related Deaths – Invited Expert Meeting, European Monitoring Agency on Drugs and Drug Abuse (EMCDDA), Lisbon, Portugal.

Fischer, B. (2018, November). *Key developments and characteristics of opioid-related mortality in Canada*. Drug-related Deaths – Invited Expert Meeting, European Monitoring Agency on Drugs and Drug Abuse (EMCDDA), Lisbon, Portugal.

Fischer, B. (2018, October). *Considerations on drug regulation*. Public Symposium on 'Drug Regulation: The Responsible Control of Drugs. Global Commission on Drug Policy & New Zealand Drug Foundation, University of Auckland, Auckland, New Zealand.

Fischer, B. (2018, October). *Cannabis legalization and public health*. Faculty Rounds, Department of Psychiatry, Federal University of Sao Paulo, Sao Paulo, Brazil.

Fischer, B. (2018, September). *Introduction of the lower-risk cannabis use guidelines as a public health tool*. Invited Symposium, Cannabis Regulation Agency (IRCCA), Government of Uruguay, Montevideo, Uruguay.

Fischer, B. (2018, September). *New practices in correctional services*. 'Opioid Symposium', Government of Canada, Toronto, ON.

Fischer, B. (2018, May). *Review of the scientific evidence and recommendation of the 'Lower-Risk Cannabis Use Guidelines' (LRCUG)*. Canadian Public Health Association (CPHA)/Public Health Agency of Canada Pre-Conference Workshop, Montreal, QC.

Fischer, B., LeFoll, B., & Poulin, G. (2018, May). *An overview of CRISM, the OPTIMA trial, and National Opioid Treatment Guidelines*. Addiction and Mental Health Ontario (AMHO) Annual Conference, Toronto, ON.

Caulkins, J., **Fischer, B.**, Obot, I., Reuter, P., & Room, R. (2018, May). *DPPG II – An overview of the revised edition*. International Society for the Study of Drug Policy (ISSDP), Vancouver, BC

Fischer, B. (2018, April). *Lower-risk cannabis use guidelines (LRCUG) – An overview*. Canadian Consortium for the Investigation of Cannabinoids (CCIC) Annual Meeting, Toronto, ON.

Butler, A., & **Jones, W.** (2018, December). *Multi-jurisdictional epidemiological research in Canada: Challenges and opportunities*. Webinar presentation for Population Data BC, Vancouver, BC.

Smith, M., Butler, A., Lesage, A., Kurdyak, P., Adair, C., Vigod, S., & **Jones W.** (2018, June). *A comparison of mental health performance indicators in Canada*. International Conference for Administrative Data Research, Belfast, Ireland.

Hayashi, K. (2019, March). *Social and structural environments shaping HIV epidemics among people who inject drugs: cases in Vancouver, Canada and Bangkok*. President's Dream Colloquium on HIV/AIDS, Burnaby, BC.

MacPherson, D. (2018, May). *Decriminalizing opioid and other drugs in Canada*. Dalla Lana School of Public Health Leadership Series, Toronto, ON.

Gorfinkel, L., Klimas, J., Dong, H., Reel, B., Ahamad, K., Fairgrieve, C., Mclean, M., Mead, A., Nolan, S., **Small, W.**, Cullen, W., Wood, E., & Fairbairn, N. (2018, November). *Who learns most about addictions in hospitals? A mixed methods study*. The AMERSA, San Francisco, CA.

Gorfinkel, L., Klimas, J., Dong, H., Reel, B., Ahamad, K., Fairgrieve, C., Mclean, M., Mead, A., Nolan, S., **Small, W.**, Cullen, W., Wood, E., & Fairbairn, N. (2018, October). *Who learns most about addictions in hospitals? A mixed methods study*. The Canadian Society for Addiction Medicine Conference, Vancouver, BC.

Mayer, S., Langheimer, V., **Small, W.**, & McNeil, R. (2018, June). *Experiences in emergency department settings among people who use drugs in Vancouver, Canada*. 80th Annual Scientific Meeting for the College on Problems of Drug Dependence. San Diego, CA.

Fleming, T., Damon, W., **Small, W.**, & McNeil, R. (2018, July). *Social-structural influences on access and adherence to antiretroviral therapy among people living with HIV/AIDS who use drugs: A qualitative meta-synthesis*. AIDS 2018, Amsterdam, Netherlands.

2.2. Other (e.g, regular Conference, Community etc.) Presentations

Bernstein, S. (2018, December). *Lecture on decriminalization of possession of currently illegal drugs for personal use*. South Island Community Resource Network, Victoria, BC.

Bernstein, S. (2018, October). *You say you want a resolution: Implementing a ground-breaking Canadian resolution at the UN by developing an advocacy agenda to challenge stigma against people who use drugs domestically and globally*. Stimulus Conference, Edmonton, AB.

Bernstein, S. (2018, October). *Heroin at the corner store? Legal regulation of opioids for public health, safety and social justice*. Stimulus Conference, Edmonton, AB.

Cheung, I.W. (2019, January). *Plain-language summaries*. Knowledge Translation for Grant Writing workshop, Women's Health Research Institute, Vancouver, BC.

Cheung, I.W. (2018, November). *Mental Health Act rights notification: Clinicians' responsibilities and new communication tools*. Mental Health Act Education Day, Island Health. Nanaimo, BC.

Cheung, I.W. (2018, October). *Table ronde sur la communication à destination des clientèles en situation de vulnérabilité* [Roundtable on communicating to people in vulnerable situations]. Clarity International 2018 Symposium, Montreal, QC.

Cheung, I.W. (2018, October). *Introduction to the Mental Health Act*. Presentation in the Education Series for Families/Supporters of People with Mental Illness/Concurrent Disorders, Vancouver Coastal Health, Vancouver, BC.

Cheung, I.W. (2018, October). *Improving Mental Health Act rights advice in BC: A patient-oriented integrated knowledge translation project*. Putting Patients First, BC SUPPORT Unit Annual Conference, Vancouver, BC.

Cheung, I.W. (2018, May). *The basics of user testing*. Editors Canada Annual National Conference, Saskatoon, SK.

Cheung, I.W. (2018, May). *Improving patients' understanding of their rights under the mental health act in BC*. Sixth Annual Waypoint Research Institute Conference, Momentum: Research Realized, Barrie, ON.

Lake, S., Kerr, T., Walsh, Z., Buxton, J., **Hayashi, K.**, Wood, E., & Milloy, M.J. (2019, March). *Daily cannabis use is associated with lower likelihood of daily illicit opioid use among people who use illicit drugs with chronic pain in Vancouver*. "Cannabis use and chronic pain among people who use drugs: Implications for harm reduction and clinical management" at Cannabinoids in Clinical Practice 2019 (Canadian Consortium for the Investigation of Cannabinoids). Toronto, ON.

Beaulieu, T., Ti, L., Milloy, M.J., Nosova, E., Wood, E., & **Hayashi, K.** (2018, November). *Major depressive disorders and access to health services among people who use illicit drugs in Vancouver, Canada*. 146th American Public Health Association Annual Meeting and Exposition. San Diego, CA.

Dong, H., **Hayashi, K.**, Singer, J., Milloy, M.J., DeBeck, K., Wood, E., & Kerr, T. (2018, November). *Trajectories of injection drug use among people in Vancouver, Canada, 1996 - 2017: Growth mixture modeling based on prospective studies*. 42nd Annual Conference of the Association for Medical Education and Research in Substance Abuse (AMERSA). San Francisco, CA.

Lail, P., **Hayashi, K.**, Milloy, M.J., DeBeck, K., Shulha, H., Kerr, T., Wood, E., & Fairbairn, N. (2018, November). *Willingness to initiate opioid agonist therapy in the fentanyl era among people who inject drugs*. The Association for Multidisciplinary Education and Research in Substance use and Addiction (AMERSA) Conference, San Francisco, CA.

Dong, H., **Hayashi, K.**, Singer, J., Milloy, M.J., DeBeck, K., Wood, E., & Kerr, T. (2018, October). *Trajectories of injection drug use among people in Vancouver, Canada, 1996 - 2017: Growth mixture modeling based on prospective studies*. The 30th Canadian Society of Addiction Medicine Annual Meeting and Scientific conference, Vancouver, BC.

Lail, P., **Hayashi, K.**, Milloy, M.J., DeBeck, K., Shulha, H., Kerr, T., Wood, E., & Fairbairn, N. (2018, October). *Willingness to initiate opioid agonist therapy in the fentanyl era among people who inject drugs*. The Canadian Society of Addiction Medicine in Vancouver, BC.

Jaffe, K., **Hayashi, K.**, Milloy, M.J., DeBeck, K., & Richardson, L. (2018, August). *Trust in physicians as a key dimension of randomized controlled trial participation in clinical addictions research*. The American Sociological Association 2018 Annual Meeting. Philadelphia, PA.

Kennedy, M.C., **Hayashi, K.**, Milloy, M.J., McNeil, R., Wood, E., & Kerr, T. (2018, July). *Factors associated with never accessing North America's first and largest supervised injection facility among people who inject drugs in Vancouver, Canada*. 22nd International AIDS Conference, Amsterdam, the Netherlands.

Mittal, M.L., Jain, S., **Hayashi, K.**, Milloy, M.J., DeBeck, K., Sun, S., & Werb, D. (2018, June). *Enrolment in medication-assisted treatment and its association with injection initiation assistance in Vancouver, Canada*. The College on Problems of Drug Dependence 2018 Annual Meeting, San Diego, CA.

Brar, R., Nolan, S., Nosova, E., Milloy, M.J., DeBeck, K., Wood, E., & **Hayashi, K.** (2018, June). *Factors associated with inability to access health clinics among people who inject drugs in a Canadian setting with universal healthcare*. The College on Problems of Drug Dependence 2018 Annual Meeting. San Diego, CA.

Socias, M.E., Wood, E., Lake, S., Nolan, S., Fairbairn, N., **Hayashi, K.**, Liu, S., Kerr, T., & Milloy, M.J. (2018, June). *High-intensity cannabis use is associated with retention in opioid agonist treatment: a longitudinal analysis*. 2018 National Institute on Drug Abuse (NIDA) International Forum, San Diego, CA.

Klimas, J., Nosova, E., Socias, E., Nolan, S., Brar, R., **Hayashi, K.**, Milloy, M.J., Kerr, T., & Wood, E. (2018, June). *Factors associated with discontinuation of methadone maintenance therapy (MMT) among persons who also use alcohol in Vancouver, Canada*. The College on Problems of Drug Dependence 2018 Annual Meeting, San Diego, CA.

Meyers, S., Scheim, A., Jain, S., Sun, X., Milloy, M.J., DeBeck, K., **Hayashi, K.**, Garfein, R., Strathdee, S., & Werb, D. (2018, June). *Sex differences in the provision of injection initiation assistance: A comparison of three North American settings*. The College on Problems of Drug Dependence 2018 Annual Meeting. San Diego, CA.

Scheim, A., Knight, R., Shulha, H., Nosova, E., **Hayashi, K.**, Milloy, M.J., Kerr, T., & DeBeck, K. (2018, June). *Men who have sex with men and inject drugs in a Canadian setting*. The College on Problems of Drug Dependence 2018 Annual Meeting. San Diego, CA.

Socias, E., Wood, E., Kerr, T., Nolan, S., **Hayashi, K.**, Nosova, E., Montaner, J., & Milloy, M.J. (2018, June). *Trends in engagement in the cascade of care for opioid use disorder, Vancouver, Canada, 2006-2016*. CPDD 80th College on Problems of Drug Dependence Annual Meeting, San Diego, CA.

Scheim, A.I., Nosova, E., Knight, R., **Hayashi, K.**, & Kerr, T. (2018, April). *HIV incidence among men who have sex with men and inject drugs in Vancouver, Canada*. 27th Annual Canadian Conference on HIV/AIDS Research, Vancouver, BC.

Bach, P., Hayashi, K., Milloy, M.J., Nosova, E., Kerr, T., Wood, E., & Fairbairn, N. (2018, April). *Increasing prevalence of methamphetamine use in Vancouver, Canada: A sex-based analysis*. The American Society of Addiction Medicine 49th Annual conference 2018, San Diego, CA.

Meyers, S., Jain, S., Scheim, A., Milloy, M.J., DeBeck, K., **Hayashi, K.**, Sun, X., Garfein, R., Stratthdee, S., Guise, A., & Werb, D. (2018, April). *The gender composition of injection drug use initiator-initiate relationships across three North American settings*. The Society for Behavioral Medicine, SBM 2018 39th Annual Meeting & Scientific Sessions. New Orleans, LA.

Sekhon, M., Babla, D., & **Lavergne, M.R.** (2019, March). *A scoping review of studies examining use of emergency department services for mental health and substance use disorders in Canada*. Poster presentation. Centre for Health Services and Policy Research Policy Conference. Vancouver, BC.

MacPherson, D. (2019, March). *Panel presentation on the overdose crisis*. Governance Forum, Harrison Hotsprings, BC.

MacPherson, D. (2019, February). *Public talk on drug policy*. Partners in Resilience: Gathering Strength – Community Opioid Forum, Maple Ridge, BC.

MacPherson, D. (2018, October). *Setting the Stage Plenary*. Stimulus Conference, Edmonton, AB.

MacPherson, D. (2018, September). *Panel presentation on Canadian drug policy*. National Opioid Symposium, Toronto, ON.

MacPherson, D. (2018, May). *New directions in drug policy*. Alberta Crime Prevention Association, Edmonton, AB.

3. RESEARCH FUNDING

3.1. Grant Funding

7/2019 - 6/2022

Vancouver Foundation

A participatory systems change approach to modernizing BC's response to drugs

Investigators: **Small, W. & MacPherson, D.**

Amount: \$300,000.00

1/2019 – 12/2019

MAC AIDS Fund 2019

Embedding Harm Reduction in Government Policy Frameworks

Investigators: **Small, W. & MacPherson, D.**

Amount: \$40,000.00

12/2018 – 04/2021

Health Canada

Building Capacity and Moving to Consensus: A Canadian Dialogue on a Public Health Approach to Drugs

Investigators: **Small, W. & MacPherson, D.**

Amount: \$2,314,862.00

11/2018 – 11/2020

Community Action Initiative

Changing the Narrative: Building Critical Mass for Drug Policy Change

Investigators: **Small, W. & MacPherson, D.**

Amount: \$250,000.00

3/2019 – 02/2020

Canadian Institute of Health Research (CIHR)

Catalyst Grant: Investigating cannabis as harm reduction during a community-wide overdose crisis.

Investigators: Milloy, M.J., Walsh, Z., Capler, R., DeBeck, K., **Hayashi, K.**, Kerr, T., Lake, S., Richardson, L., Thiessen, M., & Wood, E.

Amount: \$125,000.00

10/2018 – 09/2023

Canadian Institute of Health Research (CIHR), FNHA

Indigenizing harm reduction in response to the opioid crisis: A scoping review and community-based research projects with First Nations in BC.

Investigators: Ward, A., **Small, W.**, Barker, B., Hughes, M., Isaak-Mann, S., Louie, K., Love, R., Murray, J., Norton, A., Pooyak, S., Reading, J., Spittal, P., Stelkia, K., Watchtel, S., DeBeck, K., Marsden, N., Shannon, K., Loppie, C.

Amount: \$3,275,000.00

9/2018 – 8/2019

Law Foundation of BC

Building a Regulatory Framework for Currently Illegal Drugs in Canada

Investigators: **Small, W. & MacPherson, D.**

Amount: \$50,000.00

9/2018 – 8/2019

Peter Wall Institute

Responding to Crisis: A human rights and public health approach to legal regulation of currently prohibited substances

Investigators: **Small, W. & MacPherson, D.**

Amount: 45,000.00

06/2018 – 03/2019

BC Ministry of Health and Vancouver Coastal Health

Exploring care options for individuals with severe substance Use disorders in British Columbia

Investigators: **Small, W. & Vigo, D.**

Amount: \$190,079.92

05/2018 – 04/2024

Canadian Institute of Health Research (CIHR)

Implementation research to improve scale-up of depression services in Vietnam (IRIS-DSV)

Investigators: O'Neil, J., **Murphy, J.**, Vu, N., **Hayashi, K.**, Kakuma, R., Minas, I., **Small, W.**, To, D., **Vigo, D.**

Amount: CAD \$963,900.00

04/2018 – 03/2022

Canadian Institute of Health Research (CIHR)

Repurposing slow-release oral morphine as new oral alternative for the treatment of opioid use disorder

Investigators: Fairbairn, N., Socias, M., Ahamad, K., Barrios, R., Dong, H., Fowler, A., **Hayashi, K.**, Kerr, T., McNeil, R., Nolan, S., Nosyk, B., Richardson, L., Singer, J., Sutherland, C., & Wood, E.

Amount: \$585,224.00

03/2018 – 03/2019

Michael Smith Foundation of Health Research (MSFHR) Convening & Collaborating (C2) Award.

First Nations perspective on mental health and wellness, harm reduction, cultural safety and humility, and trauma-informed care: Enhancing our response to the impact of the opioid crisis on First Nations in BC project

Investigators: Ward, A., DeBeck, K., Johnson, H., Marsden, N., McDonald, S., Murray, J., **Small, W.**, Vickers, P., Degroot, M., & Clarmont, W.

Amount: \$15,000.00

07/2017 - 08/2019

Ministry of Mental Health and Addiction and BC Mental Health Foundation

Needs based planning of mental health and substance use services in British Columbia

Investigators: **Vigo, D., & Small, W.**

Amount: \$903,990.00

05/2017 – 04/2022

US, National Institute of Health (NIH), National Institute on Drug Abuse (NIDA)

An ethno-epidemiological study to advance HIV prevention and treatment for people who use drugs (PWUD)

Investigators: Fast, D., Shoveller, J., DeBeck, K., **Hayashi, K.**, Maher, L., Richardson, L., Milloy, M.J., Knight, R., McNeil, R., Kerr, T., **Small, W.**

Amount: \$1,629,085

04/2017 – 03/2022

Canadian Institute of Health Research (CIHR)

Health service redesign in Vancouver's Downtown Eastside: A linked, observational cohort design for comprehensive evaluation

Investigators: **Hayashi, K.**, Nosyk, B., Barrios, R., Bingham, B., DeBeck, K., Joe, R., Kerr, T., Milloy, M.J., Mitton, C., Norbury, M., Sincaian, G., Vickers, P., & Wood, E.

Amount: \$803,250.00

04/2017 – 03/2021

Canadian Institute of Health Research (CIHR)

An ethno-epidemiological study of current and prospective approaches to the management of stimulant use disorders

Investigators: McNeil, R., DeBeck, K., Fast, D., Fowler, A., Harrison, S., **Hayashi, K.**, Kerr, T., Krüsi, A., Milloy, M.J., Morrison, T., Nolan, S., Richardson, L., **Small, W.**, Ward, K., & Wood, E.

Amount: \$470,476.00

04/2017 – 03/2020

Canadian Institute of Health Research (CIHR)

Addiction treatment trajectories among street-involved young people who use opioids: Responding to a public health emergency in Vancouver

Shoveller, J., Fast, D., Kerr, T., DeBeck, K., **Hayashi, K.**, **Small, W.**, McNeil, R., Culham, T., Fairbairn, N., & Knight, R.

Amount: \$317,476.00

2017 – 2022

US National Institutes of Health (NIH)

Impacts of universal access to HIV/AIDS care among HIV+ injection drug users

Investigators: Milloy, M.J., Harrigan, R., **Hayashi, K.**, Kerr, T., Montaner, J., Nolan, S., Socias, M.E., Shoveller, J., Wood, E., **Small, W.**, & Marshall, B.

Amount: \$2,707,534.00

2017 – 2022

US National Institutes of Health (NIH)

An ethno-epidemiological study of the implementation and effectiveness of an innovative and comprehensive response to the opioid epidemic

Investigators: McNeil, R., Kerr, T., **Hayashi, K.**, Small, W., Wood, E., Bluthenthal, R., Cooper, H., Fairbairn, N., & Fast, D.

Amount: \$1,855,248.00

07/2016 – 06/2019

Canadian Institute of Health Research (CIHR)

Identifying the experiences of people who inject drugs (PWID) with Direct-Acting Antiviral (DAA) HCV treatment to inform policies and programs

Investigators: **Small W.**, Barrios R., Brown, J., Carrieri, P., Kendall, P., Kerr, T., Knight, R., Krajden, M., Maher, L., Montaner, J., Norris, C., Shoveller, J., & Ti, L..

Amount: \$355,493.00

07/2016 – 06/2023

Canadian Institute of Health Research (CIHR)

Improving healthcare and health outcomes among people who use drugs in Canada

Investigators: Kerr, T., Barrios, R., DeBeck, K., **Hayashi, K.**, Kendall, P., Milloy, M.J., Montaner, J., Morrison, T., Nosyk, B., Rourke, S., Shannon, K., **Small, W.**, Tupper, K., & Wood, E.

Amount: \$693,974.00

06/2016 - 05/2019

Canadian Institute of Health Research (CIHR) and Michael Smith Foundation of Health Research (MSFHR)

Improving systems of service to people with complex and concurrent mental disorders and substance use disorder

Investigators: **Small, W. & Laverne, M.R.**

Amount: CAD \$480,000.00

04/2016 – 11/2019

Grand Challenges Canada (GCC) and the Ministry of Labour, Invalids and Social Affairs (MOLISA), Vietnam.

Mental health in adults & children - Frugal innovations (MAC-FI)

Investigators: Kakuma, R. & **Murphy, J.**

Amount: \$549,999.00 (with matched amount from the Government in Vietnam)

2016 – 2019

Canadian Institute of Health Research (CIHR)

Exploring the impact of single room occupancy accommodations housing on HIV prevention & treatment among people who use drugs

Investigators: Milloy, M.J., McNeil, R., **Hayashi, K.**, Krusi, A., Parashar, S., **Small, W.**, Cooper, H., Damon, W., Kerr, T., Young, M., Morrison, T., Pedersen, W., Shaver, L., McNeil, R., Larkin, D.J., Dilley, L., Lampkin, H., & Kennedy, M.C.

Amount: \$149,230.00

08/2015 – 11/2019

US National Institutes of Health

Vancouver Drug Users Study: Administrative supplement to develop bio repository infrastructure

Investigators: **Hayashi, K.**, DeBeck, K., Harrigan, R., Kerr, T., & Montaner, J.

Amount: \$375,379.00

03/2015 – 11/2019

US National Institutes of Health (NIH)

Vancouver Drug Users Study: Evaluating the natural history of injection drug use

Investigators: Kerr, T., **Hayashi, K.**, DeBeck, K., Wood, E., Milloy, M.J., Montaner, J., Harrigan, R., Nosyk, B., Shannon, K., Marshall, B., Shoveller, J., Buxton, J., Richardson, L., & Ti, L.

Amount: \$4,548,072.00

3.2. Contract Funding

1/2018 – 12/2019

Open Society Foundation

Core Support to CDPC 2018-2019

Investigators: **Small, W. & MacPherson, D.**

Amount: \$262,000.00

4. MAJOR COMMUNITY SERVICE MEMBERSHIPS OR CONTRIBUTIONS

4.1. Noteworthy Academic, Professional or Community service, honours, and other mentions (e.g., Board memberships, editorial positions, etc.):

Benedikt Fisher

Invited Testimony: Bill C-45; The Senate of Canada (Social, Science & Technology Committee), Ottawa, 18 April 2018

Invited Testimony: Bill C-45; The Senate of Canada (Legal & Constitutional Affairs Committee), Ottawa, 28 March 2018

Invited Testimony: Bill C-45; The House of Commons (Standing Committee on Health), Ottawa, 13 September 2017

Kanna Hayashi

Reviewer: Harm Reduction Journal, 2018 – present.

Reviewer: International Journal of Drug Policy, 2018 – present.

Peer Reviewer: CIHR Catalyst Grant: Cannabis Research in Urgent Priority Areas, 2018 – 2019.

Wayne Jones

Committee member. Public Health Agency of Canada. Member of the Mental Illness Advisory Committee

Committee member. Public Health Agency of Canada. Member of the CCDSS Mental Illness Working Group

Committee member. Canadian Institute for Health Information. Member of the Community Mental Health and Addictions Services Advisory Committee

Will Small

Abstract Reviewer: 27th Annual Canadian Association for HIV Research (CAHR) Conference, 2018

Abstract Reviewer: 22nd International AIDS Society Conference (2018)

Editorial Board Member: Health Education Journal, 2013 – present

Assistant Editor: Addiction, 2012 – present

Associate Editor: Addiction, 2019 – present

External Examiner. Simon Fraser University, Faculty of Health Sciences. PhD Student, Kiffer G. Card. “Examining the Social, Sexual and Technological Behaviour of Gay Bisexual and Other Men who have Sex with Men”. April 4, 2018.

Member of CIHR College of Reviewers (2017 – present)

Member of International AIDS Society (2010 – present)

Scientific Officer, Spring 2018 Peer Review Committee – Health Services Evaluation & Interventions Research - 2018

Investigator, British Columbia node of the Canadian Research Initiative in Substance Misuse (CRISM) –

2017-present

Member of the Provincial Data Advisory Committee for the *Needs based planning of mental health and substance use services in British Columbia* Project - (2018 – present)

FHS Tenure and Promotion Committee – Member (Alternate) – Sept – Dec 2018

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Children's Health Policy Centre

Website: childhealthpolicy.ca

Director: Waddell, Charlotte

Faculty: Health Sciences

Director's Term End

Renewal Date 4/1/2023

Details

Description of the Centre/Institute:

We are an interdisciplinary research group in the Faculty of Health Sciences at Simon Fraser University (SFU). We focus on improving social and emotional wellbeing for all children and on the public policies needed to reach these goals. Our work complements the mission of the Faculty of Health Sciences to improve the health of populations — locally, nationally and globally.

The Centre/Institute's membership and organization structure:

The Centre's leadership team includes: Dr. Charlotte Waddell, University Professor and Director; Dr. Nicole Catherine, University Research Associate; and Dr. Christine Schwartz, Adjunct Professor. As well, during the reporting period the Centre had 16 research staff/mentees and four administrative staff. All team members report to the Director or her delegate(s). The Director is responsible for overall academic and administrative leadership. Her academic leadership roles include: ensuring the intellectual and financial viability of the Centre; developing and maintaining strategic research and policy collaborations; recruiting supervising and retaining research staff/mentees, students, contractors and associate faculty; consulting with governments and with other research groups; and responding to policymaker, practitioner, student, media and public information and consultation requests. Her administrative leadership roles include: negotiating funding agreements and ensuring accountability with funders; ensuring the acquisition and management of office space and equipment; ensuring appropriate data security; overseeing strategic communications including the development and maintenance of the Centre's website; and overseeing human resources activities including procuring independent legal counsel to review all Centre practices, ensuring appropriate salary scales and job descriptions and employment contracts, ensuring appropriate staff benefits, and ensuring regular performance reviews as well as plans to support staff development. Please see childhealthpolicy.ca for a list of current Centre members.

Most significant accomplishments:

1) BC Healthy Connections Project

We are continuing to lead the BC Healthy Connections Project, the first Canadian randomized controlled trial (RCT) evaluating the landmark Nurse-Family Partnership (NFP) prevention program. Focusing on disadvantaged first-time mothers and their children, NFP involves providing intensive nursing home visits — starting in early pregnancy and continuing until children reach age two years. NFP has never been tested in Canada, but based on American and European studies it has strong potential for improving children's mental health and development, reducing childhood injuries and improving mothers' lives. We are therefore assessing the program's impact compared with existing services across the province. The NFP RCT, furthermore, is embedded within BC's public health and child health systems, involving close policy and practice collaborations — ensuring that findings are taken up quickly and efficiently to benefit populations in need, while also ensuring that the research addresses questions of relevance to BC policymakers and practitioners. We closed RCT recruitment in late 2016 with 739 mothers and 744 children enrolled — who we are following through until late 2019. In 2018 we released the first data report on maternal participants' profiles when they first entered the trial in early pregnancy. The data showed concentrated disadvantage for these young people:

- 83% were living on less than \$20,000 annually
- 53% had less than a grade 12 education
- 91% were preparing to parent while single
- 47% had been homeless at some time in their lives
- 74% were coping with serious mental and physical health conditions
- 71% were not receiving income assistance supports they were entitled to
- 56% had experienced child maltreatment when they were young
- 50% had experienced intimate partner violence recently
- 90% were experiencing multiple forms of adversity

Building on this report, in early 2019 we prepared an academic publication on our baseline data, providing more in-depth analyses. (This report has been submitted for academic publication.) During the reporting period, we also completed data analyses on NFP's impact on prenatal substance use — our first outcome finding. (Reports and publications on our other outcome findings will be available in 2020–2022.) Four regional BC Health Authorities have signaled their commitment to better reaching populations in need by offering NFP to eligible girls and young women and their children while we are completing the RCT. We are also now seeking long-term funding to follow the children into their pre-school years and beyond. New funding will enable us to show NFP's impact on social and emotional wellbeing by school entry, as well as on development and the ability to learn in the later grades.

The BC Healthy Connections Project is funded by the BC Ministry of Health (2011–2022) with support from the BC Ministry of Children and Family Development — and with support from Fraser, Interior, Island and Vancouver Coastal Health Authorities. We are grateful to our generous private donors, the Djavad Mowafaghian and R. and J. Stern Family Foundations. This project also involves academic collaborations with researchers from McMaster University, UBC, the University of Victoria and the Public Health Agency of Canada — as well as from the Faculty of Health Sciences at SFU. Please see childhealthpolicy.ca for more information.

2) Improving children's mental health through research-policy engagement

In 2000 we established an innovative research-policy partnership with BC's Ministry of Children and Family Development and we have sustained this partnership since then. This partnership has aimed to improve children's mental health by: 1) advancing research-informed policy and practice; and 2) encouraging policymakers and practitioners to consider addressing population health ideas such as social determinants and prevention. In particular, we regularly provide systematic review evidence on the prevention and treatment of a wide array of children's mental health problems, seeking interventions that apply in young people from birth through early adulthood. In 2007, we then established the Children's Mental Health

Research Quarterly — a free on-line publication — as a vehicle for conveying systematic review evidence to policymakers, practitioners and the public. We celebrated our fiftieth issue of the Quarterly during the reporting period. In addition, we provide talks accompanying each issue, reaching audiences across the province.

In addition to providing systematic review evidence through the Quarterly and through our talks, we also provide ongoing expert consultation to the BC Government on mental health services for BC's nearly one million children — including through Charlotte Waddell's ongoing role as Provincial Child Psychiatrist for this Ministry. We have also produced numerous commissioned research reports and rapid research reviews for the BC Government. Reports have included systematic reviews on the prevalence and impact of childhood mental disorders and on associated service shortfalls; while rapid responses have included brief research syntheses on topics such as school-based interventions and options for addressing the opioid crisis with youth. Beyond these policy-relevant outputs, the team has also produced academic publications building on our policy-relevant systematic review and synthesis methods (two were published and one was prepared during the reporting period).

The Quarterly and its associated activities are funded by the BC Ministry of Children and Family Development (2006–2022). We are also grateful for private donor support from Nessa Herman. Please see childhealthpolicy.ca for more information.

3) Estimating child mental health needs in the population

Building on our earlier systematic reviews on the prevalence and impact of childhood mental disorders and on associated service shortfalls, and building on our earlier work on monitoring children's mental health outcome indicators in the population, during the reporting period we prepared proposals for a new project, which was funded by the BC Ministry of Children and Family Development (2019–2022). Launching shortly, this project will combine data from updated systematic reviews with data gathered from BC and national public datasets in order to estimate treatment needs across the population — as well as estimating the numbers of children without disorders who could benefit from prevention programs for the first time. (Both forms of data are crucial for policymakers.) We will apply a comprehensive population health framework encompassing social determinants; development from the prenatal period through to early adulthood; and the full range of prevention and treatment options for all childhood mental disorders. Policy partners include the BC Ministry of Children and Family Development and the BC Ministry of Mental Health and Addictions. We will also engage with the BC Ministries of Health and Education, with Statistics Canada and with BC's First Nations Health Authority. As well, a new scientific advisory committee will be stuck for this project including investigators from the Faculty of Health Sciences at SFU, McMaster University and Statistics Canada. Our previous work on estimating children's mental health needs in the population has resulted in numerous requests for consultation, allowing us to further contribute to policymaking for children's mental health at the national and provincial levels. We are pleased to be able to expand the scope and influence of our work through this new project — thereby better meeting children's needs in the population.

Relatedly, through longstanding collaborations with McMaster University, we have contributed ongoing scientific and policy expertise informing two important children's mental health epidemiological studies. The first is the Pathways in Autism Spectrum Disorder Study, a longitudinal project funded by the Canadian Institutes of Health Research (2004–present) — following the developmental trajectories of a cohort of children from the time they were first diagnosed with autism. With many of these children now approaching early adulthood, we intend to keep following this unique Canadian cohort. Numerous academic publications have resulted from the study, including a qualitative study led by our Centre on the experiences of both parents and policymakers, depicting the extraordinary influence that parents have had on autism policy across Canada. The second is the 2014 Ontario Child Health Study, a sequel to the groundbreaking 1983 Ontario Child Health Study. This recent study, just published, has shown the continued high prevalence of mental disorders in a sample of 10,000 children, as well as depicting service shortfalls and trends in disorder prevalence over time. In addition to serving on the scientific team, our Centre led in preparing publications on the policy implications of these new findings. Please see childhealthpolicy.ca for more information on both these studies.

Notable media successes

Together with collaborators from the Canadian Mental Health Association and the BC Ministry of Children and Family Development, we participated in a YouTube presentation and discussion focussed on a systematic review we published (2018) on preventing and treating childhood behaviour disorders. (This paper built on our Quarterly work.) Hosted by Oxford and Stanford Universities, we held a discussion live online with a global audience. This interactive media event was well received and highlighted not only our research but also our unique research-policy partnerships. The event was sponsored by the highly-regarded journal, Evidence-Based Mental Health. As well, we have provided background and interviews for the news media on numerous topics pertaining to children's mental health during the reporting period. Beyond this, we regularly reach approximately 2,500 readers who subscribe to our Children's Mental Health Research Quarterly, which is posted on our website; many readers also attend the web-based talks we provide on each issue. As well, we regularly reach approximately 500 readers who subscribe to our BC Healthy Connections Project blog, which is posted on our website. We anticipate more intensive news media engagement in the near future as more BC Healthy Connections Project RCT results become available.

Events, workshops, public outreach events:

Community engagement is central to our work — to ensure that research informs policy and practice to directly benefit children. We provide ongoing talks, consultations and expert input with BC's Ministry of Children and Family Development, principally through Charlotte Waddell's role as the Provincial Child Psychiatrist, and with BC's Ministry of Health, principally through the BC Healthy Connections Project. We also provide input and talks and we collaborate with other policy partners including: the BC Ministry of Mental Health and Addictions; Fraser, Interior, Island, Northern and Vancouver Coastal Health Authorities; BC's Provincial Health Services Authority; BC's First Nations Health Authority; and the Public Health Agency of Canada. Beyond this, since 2007 we have engaged with approximately 50 community and policy groups, providing talks, expertise and leadership on children's mental health and policy as requested. These groups have included: the Canadian Mental Health Association; the Canadian Population Health Initiative with the Canadian Institute of Health Information; children's hospitals in BC and elsewhere; children's mental health provider groups in other provinces and countries; private and public funding agencies; the Mental Health Commission of Canada; schools; and other university-based research groups.

As well, we regularly provide peer reviews of grants, manuscripts and tenure and promotion applications, and we serve on national and provincial scientific committees and review panels, including the Canadian Institutes of Health Research College of Reviewers and the Michael Smith Foundation for Health Research Leaders' Forum and review panels. While not formally required as part of this annual report, we are pleased to provide details on another form of engagement: working with students and research trainees/mentees. For Charlotte Waddell and Nicole Catherine, classroom teaching on children's mental health and policy topics at the graduate and undergraduate levels has been an important vehicle for engaging future health practitioners and policymakers. As well, through our research projects we have been able to recruit many SFU Faculty of Health Sciences graduates — allowing us to provide more advanced research training and mentoring, and encouraging many to go on to further graduate and professional training, or to go on to take up senior public health positions. For Charlotte Waddell and Christine Schwartz (as a child and adolescent psychiatrist and as a registered psychologist, respectively) clinical work with disadvantaged children is yet another form of engagement — that informs our research, our policy consultation and our teaching.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

We obtained a research contract (renewal) from the BC Ministry of Children and Family Development for \$900K (2019–2022). We also obtained approval for a new grant from this Ministry for \$225K (2019–2022). As well, we obtained a new private donation from the R. and J. Stern Family Foundation for \$100K (2019–2023). The existence of our Centre was essential to the acquisition of this new funding — giving confidence to funders and donors that we have been and will remain “a going concern” in seeking to improve the lives of children. Our Centre’s research track record and administrative infrastructure also provide assurances to funders/donors that we will manage the funding well and will continue to produce rigorous yet meaningful research.

Confirm policy review

Yes

Submitted by:

Charlotte Waddell

Director's Comments:**Dean's section****Reviewed by:**

Tania Bubela

Comments:

The Children's Health Policy Centre and its leadership are core to the research and social mission of the Faculty of Health Sciences. I fully support the work of the Centre and plan to strengthen it with new positions in the coming year.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: HIV/AIDS Research Centre (HRC)

Website: <http://www.sfu.ca/hivresearchcentre.html>

Director: Hogg, Robert

Faculty: Health Sciences

Director's Term End 9/4/2018

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The vision of the SFU Interdisciplinary Research Centre for HIV/AIDS (SIRCH) is to develop strategies for the prevention of HIV/AIDS, to improve the health and well-being of people living with and affected by HIV, and to engage with the public, both domestically and internationally, through HIV/AIDS research, education and dialogue. We are committed to effectively disseminating novel and community-engaged health and biomedical research, while simultaneously addressing social injustices with the intention of reducing health inequities and treating HIV/AIDS. We aim to (1) Provide and disseminate innovative scholarship to improve the health and well-being of individuals living with and affected by HIV in diverse settings, (2) Contribute world-leading HIV vaccine research, with the ultimate goal of preventing, controlling and curing HIV, (3) Develop and strengthen community and global partnerships to enhance HIV research efforts, and (4) Provide a sustainable, multi-disciplinary platform to train and mentor the newest generation of HIV/AIDS researchers.

The Centre/Institute's membership and organization structure:

The SIRCH Director is Dr. Robert Hogg, Professor within the Faculty of Health Sciences and Senior Research Scientist at the BC Centre for Excellence in HIV/AIDS (BCCfE). Members include:

Dr. Felix Breden, Professor with the Department of Biological Sciences;

Dr. Zabrina Brumme, Associate Professor with the Faculty of Health Sciences and Laboratory Director at the BC Centre for Excellence in HIV/AIDS;

Dr. Mark Brockman, Associate Professor with the Faculty of Health Sciences and Canada Research Chair Tier II in Viral Pathogenesis and Immunity;

Dr. Kora DeBeck, Assistant Professor with the School of Public Policy and Research Scientist at the BC Centre on Substance Use;

Dr. Shira Goldenberg, Assistant Professor with the Faculty of Health Sciences, Research Scientist at the Centre for Gender & Sexual Health Equity, and Adjunct Assistant Professor at the School of Medicine, University of California San Diego;

Dr. Kanna Hayashi, Assistant Professor and St. Paul's Hospital Chair in Substance Use with the Faculty of Health Sciences, and Research Scientist with the BC Centre on Substance Use;

Dr. Angela Kaida, Associate Professor with the Faculty of Health Sciences and Canada Research Chair Tier II in Global Perspectives in HIV and Sexual and Reproductive Health;

Dr. Bohdan Nosyk, Associate Professor and St. Paul's Hospital CANFAR Chair in HIV/AIDS Research with the Faculty of Health Sciences, and Research Scientist at the BC Centre for Excellence in HIV/AIDS;

Dr. Ralph Pantophlet, Associate Professor with the Faculty of Health Sciences;

Dr. Surita Parashar, Adjunct Professor within the Faculty of Health Sciences and Research Scientist at the BC Centre for Excellence in HIV/AIDS;

Dr. Kate Salters, Adjunct Professor with the Faculty of Health Science and Research Scientist at the BC Centre for Excellence in HIV/AIDS;

Dr. Hasina Samji, Assistant Professor with the Faculty of Health Sciences;

Dr. Jamie Scott, Professor with the Department of Molecular Biology and Biochemistry and Faculty of Health Sciences, and Canada Research Chair Tier I in Molecular Immunity;

Dr. William Small, Associate Professor with the Faculty of Health Sciences, Director of the Centre for Applied Research in Mental Health and Addiction, and Research Scientist with the BC Centre on Substance Use;

Dr. Malcolm Steinberg, Clinical Assistant Professor with the Faculty of Health Sciences, and the Program Director, Public Health Practice and Chair for the MPH Program;

Dr. Ian Tietjen, Assistant Professor with the Faculty of Health Sciences;

Dr. Krisztina Vasarhelyi, Adjunct Professor within the Faculty of Health Sciences, Project Lead for the IMPACT-HIV Group, and Research Staff with the Vancouver Coastal Health Department of Family and Community Practice.

Most significant accomplishments:

(1) Successful Grant Applications

Dr. Robert Hogg was awarded the Social Sciences and Humanities Research Council (SSHRC) 2018 Connection Grant to carry out the SFU President's Dream Colloquium on HIV/AIDS: From Cell to Society. The total amount awarded for this initiative was \$41,268. Co-investigators on this grant included SIRCH members. The President's office at Simon Fraser University supplemented these funds with \$30,000. Dr. Hogg provided \$8,120 from his Canadian Institutes of Health Research (CIHR) Foundation Grant, to support a research assistant on this project and travel costs for international leaders in HIV research.

The Canadian HIV Observational Cohort (CANOC) Centre, led by Dr. Hogg, includes the Building Bridges initiative, which is an initiative grounded in community-based research. Building Bridges II: Continuing Community Engagement in an Indigenous Health Epidemiology Model was recently successful in being awarded a CIHR Planning and Dissemination grant. Co-Principal Investigators on this grant are Dr. Denise Jaworsky and Valerie Nicholson.

Dr. Zabrina Brumme and Dr. Mark Brockman, along with Dr. Mario Ostrowski (University of Toronto), are co-Principal Investigators on a highly competitive, successful CIHR Focused Team grant on an HIV cure. They were awarded \$2 million over the course of 5 years to carry out research on CD8 T cell-based eradication of HIV reservoirs: toward a personalized approach to HIV cure therapy.

Dr. Brockman is Principal Investigator on a CIHR Project grant entitled Harnessing cross-reactive T cells to eliminate latent HIV reservoirs, which was awarded \$708,580 over 5 years to investigate new strategies to redirect the host immune response against HIV.

Dr. Brumme, along with co-Principal Investigator Dr. Jeffrey Joy, was also awarded a CIHR Project grant for \$761,176 over 5 years. This project will investigate the Integrated phylogenetic, molecular and functional analyses of the within-host latent HIV reservoir. Further, Dr. Brumme, Dr. Brockman, and Dr. Art Poon (Western University) are co-Principal Investigators on an NIH R21 grant focused on Genetics, Dynamics and Fitness of the latent HIV-1 reservoir. The amount awarded for this project was USD \$275,000 over two years.

Dr. Brockman, along with Dr. Hogg, Dr. Brumme, Dr. Pantophlet and community partners representing the Positive Living Society of BC, YouthCo, and the AIDS Vancouver Island Health & Community Services Society, were awarded an SFU Community Engagement grant to support their project entitled Bridging the gap: Connecting community and academia in HIV research.

Dr. Angela Kaida is Principal Investigator on a CIHR Planning and Dissemination Grant focused on Addressing HIV risks among youth in the AYA ZAZI HIV prevention cohort study: Mobilizing Knowledge into Action through Youth-led Knowledge Translation and Exchange in South Africa. Dr. Kaida is also co-Principal Investigator, along with Dr. K Lee, on a CIHR: Network for Global Governance Research on Infectious Diseases grant. This project will address A network to catalyze Canadian research on global infectious disease governance: Designing innovative solutions to collective action problems.

Further, Dr. Angela Kaida won the 2018 MSFHR Reach Competition for her work with #LifeandLovewithHIV: A social media initiative to support the sexual health needs of women living with HIV. Dr. Kaida was also awarded funds from the SFU Community Engagement Initiative to advance her project on Partnering with women Living with HIV on the life and love with HIV website to advance sexual health research and support for underserved communities.

(2) The Simon Fraser University President's Dream Colloquium on HIV/AIDS: From Cell to Society

Description: One of the greatest accomplishments of SIRCH this past year was the SFU President's Dream Colloquium (PDC) on HIV/AIDS: From Cell to Society, led by Dr. Robert Hogg. This lecture series explored different aspects in the field of HIV ranging from the criminalization of HIV non-disclosure to current methods in cure and vaccine research. This series was an opportunity to demonstrate the great variety of research

produced by this Centre, as many SIRCH members participated in either the public or class lectures, and strengthened research partnerships domestically and internationally.

Student engagement: The SFU PDC included a series of seven public lectures that were made available to the public, along with a graduate-level course available to SFU upper-level undergraduate and graduate students (INS897). Prior to every public lecture, the students were delivered a lecture by one of the SIRCH faculty members for additional details and domestic context. During weeks without a public lecture, students engaged in discussion-based lecture periods where they were given the opportunity to learn from SIRCH faculty and other nationally recognized researchers. One of the main deliverables from this course included collaborating with another SFU course, led by Dr. Diane Finegood. A group of her students were assigned to mentor our students on the topic of systems-thinking; this inter-institutional collaboration allowed our students and teaching team to network and learn from members of different Faculty within the University.

Guest speakers: Many of the public lectures involved bringing together different communities, which gave the teaching team the opportunity to engage with a variety of key stakeholders. Guest speakers were invited across provinces in Canada, and internationally (including South Africa, and the United States). From these events, the Centre was able to strengthen and build partnerships with invited speakers. Public lectures are outlined below:

1. Innovation, Activism and the Arts: Vancouver's History in HIV

This seminar was delivered by Valerie Nicholson, a Peer Research Assistant with the BC Centre for Excellence in HIV/AIDS, and Dr. Julio Montaner, Executive Director and Physician-in-Chief of the BC Centre for Excellence in HIV/AIDS. Valerie spoke to the importance of activism in the face of adversity, while giving an overview of the history of HIV in Vancouver from a peer-based lens. Dr. Montaner similarly spoke to his experiences as an HIV physician in Vancouver, and outlined the accomplishments and challenges in this field over the years. The room was full, with approximately 120 audience members.

2. Towards an HIV Cure: Challenges and Prospects

Dr. Zabrina Brumme delivered this public lecture to a room of 60 individuals, who were eager to learn about the cutting-edge research on an HIV cure.

3. Issues in Criminalization of HIV Non-Disclosure and its Influence on the Landscape of HIV in Canada

This panel lecture included Richard Elliott, Director of the Canadian HIV/AIDS Legal Network; Marvelous Muchenje, Community Health Coordinator at Women's Health in Women's Hands and Co-Principal Investigator on the WATCH study; and, Dr. Angela Kaida. Each presenter spoke about a topic related to the criminalization of HIV non-disclosure, ranging from personal experiences, perspectives from a legal standpoint, and how this law impacts women living with HIV.

4. HIV and Indigenous Communities in Canada

This panel lecture included Danita Wahpoosewyan, activist and Peer Support Worker at AIDS Programs South Saskatchewan; Dr. Carrie Bourassa, Professor of Indigenous Health with the Department of Community Health & Epidemiology and Scientific Director at CIHR Institute of Indigenous People's Health; and, Dr. Alexandra King, Cameco Chair in Indigenous Health, University of Saskatchewan. These Indigenous women lectured about barriers to care and other challenges facing people of Indigenous ancestry in Saskatchewan to a room of approximately 80 individuals.

5. Towards a Vaccine for HIV

Dr. Glenda Gray, President of the South African Medical Research Council and Director of the HIV Vaccine Trials Network Africa Programs, relayed knowledge gained from her research in South Africa to approximately 100 audience members.

6. Community Perspectives on Living with HIV & Where We Go From Here

This seminar was a World-Café style event, and included short presentations by community members including Gary Lising, Peer Navigator with Positive Health Services at Jim Pattison and John Ruedy Clinic; Phyliss Sauve, Indigenous HIV Prevention & Support Worker; Patience Magagula, Afro-Canadian Positive

Network; and, Bernard Andreason, Advocate for Indigenous Communities Affected by HIV.

7. Injection Drug Use and the Interacting Epidemics of Substance Use and HIV

Dr. Hansel Tookes, Assistant Professor at the Miami Miller School of Medicine, spearheaded efforts to open the first needle exchange program in Florida. Dr. Tookes lectures in regards to the opioid epidemic in the United States, and how this affects people living with HIV in his community. He lectured to a group of approximately 120 individuals.

Art-based events: Throughout the PDC, we worked to engage the public by displaying various pieces of art, primarily created by HIV-positive artists. The inaugural event of this lecture series involved an art exhibit that was very well attended, attracting approximately 200 visitors over the two days that it was open. This multimedia event included works by Tiko Kerr, Joe Average, Valerie Nicholson, body maps by participants of the Women, ART and the Criminalization of HIV (WATCH) Study, Margarite Sanchez, Kath Webster, Peggy Frank, and others. A full guide to the exhibition is available upon request.

We also held a second arts-based event at the final lecture, Injection Drug Use and the Interacting Epidemics of Substance Use and HIV. For this exhibit, we invited a variety of community-based organizations, including Megaphone Magazine, InSite, and the Canadian Association for People who Use Drugs (CAPUD) to set up a booth to speak about the important work that they do. Artists presented their work related to themes including substance use, community, resiliency and HIV, and included photovoice projects by Dr. Danya Fast, Dr. Surita Parashar and pieces by John Ferrie.

Community engagement: This World-Café style event, where 70 members of the public (including academics, students, community activists, health care practitioners, government representatives and others) gathered in small groups to discuss topics pertaining to living with HIV in the Surrey area.

These topics included current challenges and strengths facing people living with HIV, and interventions, programming or services that could help. Engagement with key stakeholders allowed the Centre to establish new relationships with healthcare providers throughout the province (specifically, within the Fraser Health region), which will allow the team to continue forwards and conduct meaningful research that is relevant across health authorities.

A deliverable from this event included a postcard including the key findings from the group discussions; one of the main points was that Peer Support Workers (PSWs) are crucial for community engagement, so our postcard (attached) includes a list of organizations that employ PSWs. The artwork on the front is from HIV-positive artists, some of whom live in the Surrey area. This postcard will be delivered to community-based organizations and hospitals that connect with people living with HIV.

(3) CANOC Collaborative Research Initiative: Building Bridges II

Description: The Canadian HIV Observational Cohort (CANOC) Centre, led by Dr. Robert Hogg, is an initiative to integrate networks of registered HIV treatment information from a number of cohort databases across Canada. The study aims to address gaps in the understanding of treatment outcomes and regional trends within Canada to inform best practice guidelines for treatment.

The Building Bridges initiative is a key component of the CANOC study and is heavily rooted in community-based research. This multi-site project aims to engage key populations in and make epidemiologic research methods more accessible to Indigenous communities affected by HIV. Building Bridges II is an extension of the first Building Bridges initiative, which supported the formation of two teams (based in Toronto and Vancouver), involving Indigenous and allied researchers, Indigenous people living with HIV, and Indigenous community leaders. The first Building Bridges project resulted in the creation of the Building Bridges Indigenous Health Epidemiology Model, a model which outlines a culturally safe framework for research involving Indigenous people living with HIV.

Projects: This second iteration of Building Bridges will focus on integrating two Indigenous people living with HIV and one Indigenous community leader from: rural Canada, Saskatoon and Regina. At this date, web-

based and teleconference planning meetings have been held to initiate relationship building and solidify planning for a knowledge retreat, Voices of Wisdom. This three-day retreat, held in Saskatchewan, will integrate Indigenous ceremony and knowledge, and aims to: (1) familiarize all members of the Building Bridges Team with the Building Bridges Indigenous Health Epidemiology Model and previous research, (2) share knowledge regarding culturally-safe and Indigenous-based research methods, knowledge dissemination and lived experiences, (3) share research topics of interest, develop new research questions and identify novel approaches for analyzing data, and; (5) create opportunities for participation in land-based activities.

Following the Voices of Wisdom retreat, web-based/teleconference meetings will be held to plan analyses based off the identified research questions. Further, writing workshops will be held for those Building Bridges members who wish to participate in the development of knowledge translation products. The Building Bridges II initiative will provide incredible opportunities for the involvement of Indigenous persons in epidemiologic research, advance incorporation of culturally safe practices in research, and allow for knowledge dissemination that can be used to inform health policies supporting Indigenous people living with HIV.

Notable media successes

Over the course of the SFU President's Dream Colloquium (PDC) series, we released media advisories to ensure that events were accessible to the general public. Our activities were covered extensively, ranging from local to national news, and included televised, radio and print interviews. A total of 42 instances of news coverage occurred, including:

- Dr. Julio Montaner was a guest on the radio show CBC On the Coast prior to his lecture at the inaugural event of the PDC;
- A televised interview on Omni TV Vancouver was aired, with footage from the PDC art exhibit;
- Tiko Kerr, a prominent HIV-positive artist, appeared on CBC News Vancouver;
- Tiko Kerr and the PDC art exhibit was featured on the front page of the Vancouver sun, and in a video interview posted to the Vancouver Sun's website;
- An Opinion Editorial on the topic of criminalization of HIV non-disclosure and the PDC, written by Richard Elliott (one of the guest speakers), Valerie Nicholson and Dr. Angel Kaida was published in the Ricochet;
- Valerie Nicholson appeared on the Lynda Steele Show to discuss how the criminalization of HIV non-disclosure negatively impacts the lives of people living with HIV; and,
- Print interviews reached five different provinces (British Columbia, Ontario, Alberta, Saskatchewan, and Nova Scotia) and national news.

Dr. Angela Kaida has also received notable media coverage for her work with the Women and the Criminalization of HIV non-disclosure (WATCH) study and other projects. Interviews have been published in print and online media, through both provincial and national news sites.

Events, workshops, public outreach events:

SFU PDC: As outlined above, a large portion of the SFU President's Dream Colloquium included community engagement activities. Due to the wide variety of topics covered throughout this lecture series, we were able to reach out to and engage with many different groups (including various community-based and non-profit organizations) and provided the opportunity for individuals to network and engage in interdisciplinary discussion. To reiterate, notable community engagement events included:

- All the seven free public lectures, which were open to the general public. These lectures were also livestreamed, recorded and uploaded to the CAHR YouTube channel for those individuals who weren't able to attend lectures in person. By doing this, we were able to improve accessibility and reach a wider audience;
- We routinely reached out to local community-based organizations, to ensure that they were aware of any events that may be of interest to their staff and members.
- The Surrey-based World Café event allowed us to engage with the wider community in a unique fashion, and develop a postcard based on the key discussion takeaways; and,
- From this work, we were able to deliver two presentations at the Michael Smith Foundation's Health xChange, an annual evening of storytelling focused on fostering health equity in research. One of our presentations focused on the benefits of art in engaging the public, whereas the other explained key outcomes from the World Café event in Surrey. These presentations allowed us to further disseminate the knowledge that we gained through this initiative.

Educational Events: As academic co-chair, Dr. Shira Goldenberg helped organized the Interdisciplinary Migration and Refugee Workshop: Developing a Research Community. This workshop was an opportunity for faculty, graduate students and community members to present their research and knowledge on politics, economics, health, social and human rights both in a domestic and international context. SFU faculty and graduate students were invited to present posters for knowledge dissemination.

Dr. Zabrina Brumme participated in the BC Centre for Excellence in HIV/AIDS Webinar Series on HIV Cure Research: Are We There Yet? Dr. Brumme gave an update on behalf of her lab and the larger scientific community regarding the state of HIV cure research and novel research methods. Dr. Brumme also participated in a community dialogue event focused on HIV cure research, co-organized by SFU, BCCfE, the Vancouver Island Persons Living with HIV Society and AIDS Vancouver Island Community Health Services. Additionally, Dr. Brumme participated in an education event for the Canadian Association of Nurses in AIDS Care (CANAC), giving an update on the current state of HIV cure research.

Dr. Hogg, Dr. Brumme, Dr. Salters and members of Dr. Hogg's team gave multiple lectures at Snack Chat. This initiative, developed by Jinny Choi, a CANOC Community Investigator and Research Assistant at the BC Centre for Excellence in HIV/AIDS, facilitates knowledge dissemination and translation through inviting academics to a local community-based organization, the Dr. Peter Centre, to discuss their research.

Dr. Angela Kaida and the WATCH study team incorporated research into an art exhibit titled "Women, ART and the Criminalization of HIV Non-Disclosure in Canada (WATCH): Body Mapping Gallery showcasing women's experiences of Surveillance, Resistance, and Resilience". This exhibit took place at the AIDS 2018 Global Village and Youth Programme at the 22nd International AIDS Conference in Amsterdam.

Social media outreach: Social media engagement and promotion is increasingly an effective method of reaching the public. The PDC created a hashtag, #PDCHIV, which allowed us generate discussion online and promote our events; high-profile retweets were done by Theresa Boyle (@theresaboyle, 13.1K followers) and Juanita Ng (@juanitang, 4k followers), both influential reporters in Canada. The CANOC collaboration (@CANOCresearch) is also active on twitter, and currently have approximately 1400 followers.

Further, Dr. Angela Kaida is the co-founder and co-editor of Life and Love with HIV (www.lifeandlovewithhiv.ca). This online blog is meant to de-stigmatize discussion around sexuality and relationships among women living with HIV; this initiative is also active on twitter (@LifeLoveHIV).

Additional documents:

[Colloquium Guide Postcards Final.pdf](#) (attachment below)

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

SSHRC 2018 Connection Grant: \$41,268

President's Office at SFU: \$30,000

CIHR Focused Team Grant: \$2,000,000

CIHR Project Grant: \$708,580

CIHR Project Grant: \$761,176

NIH R21: \$275,000 USD

CIHR Planning and Dissemination: \$19,925

CIHR Network for Global Governance Research on Infectious Diseases: \$25,000

SFU Community Engagement Initiative: \$10,000

Confirm policy review

Yes

Submitted by:

Megan Marziali

Director's Comments:**Dean's section****Reviewed by:**

Tania Bubela

Comments:

SIRCH has become the nexus for the FHS activities under its Research Strategic Plan in the area of infectious diseases. Given ongoing faculty commitments and planning for leadership, I remain supportive of this Centre.

The Lived Experience

Art, Advocacy, and HIV

Insights into living with HIV

This exhibit, part of the spring 2019 President's Dream Colloquium at SFU, invites you to consider works that explore the experience of living with the Human Immunodeficiency Virus (HIV).

The art here today speaks to resilience, strength, and joy, as well as challenge, loss, and anger. It speaks to the ways in which social constructions around HIV, including stigma, discrimination, and fear, impact peoples' lives, and how art can act as a powerful force to challenge these ideas. Most of all we hope it can show, from different perspectives and in different times, how HIV has impacted people and communities, and how people and communities, including many of the artists in this room, have in turn changed what it means to live with HIV. We would like to acknowledge that this exhibit is held on the unceded traditional territories of the Coast Salish peoples of the Musqueam, Squamish, and Tsleil-Waututh Nations.



Skullface/Self Portrait

Joe Average, 2010

Joe Average is a Canadian artist living in Vancouver. He is known for his colourful, joyful, cartoon-like images. Averages' work has been the face of the Vancouver AIDS WALK and the Davie Village. This piece relates to his experiences with Lipoatrophy, or loss of body fat, a side effect of some early antiretroviral medications for HIV. It is part of a collaboration between Average and photographer Jamie Griffiths for the short film *I see the Fear*, shown in full at this exhibit (see pg. 3).



Tough to Kill

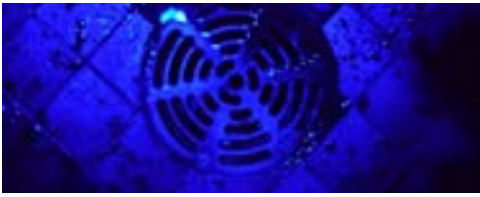
Tiko Kerr, 2013

Tiko Kerr is an artist and activist living and working in Vancouver. Diagnosed with HIV in 1985, he is a vocal advocate for HIV/AIDS-related causes. This evocative self-portrait, made using the artists' own discarded HIV medication paraphernalia, speaks to Kerr's experience as a long-term HIV survivor. In 2005, Kerr and five other men developed HIV resistance to every drug available. Kerr went to the media, and ran a public campaign for access to new experimental medications, which proved to be highly effective.



Body Maps Women, ART, & the Criminalization of HIV Study

WATCH is a community-arts-based research study that uses Body Mapping to explore how the criminalization of HIV affects all Women Living With HIV (WLWH) and intersects with other experiences of oppression such as the impacts of colonization, racism, immigration, transphobia, and HIV stigma. Body Maps are powerful visual and narrative expressions of each woman's unique experience of the criminalization of HIV Non-disclosure.



Here to Stay

Excerpts from the photo exhibition, 2018

Here to Stay is a collection of photographs contributed by gay and bisexual men living with HIV who have struggled with suicide, who through their experiences and willingness to tell their stories, have sought to raise awareness about depression and suicide among people living with HIV. This exhibit includes a limited selection of works from the larger project.

Authentic, honest and heartfelt, these photos show that having the strength to share vulnerabilities and resilience is integral to raising awareness and reducing shame and stigma about suicide. *Here to Stay* is intended to start a conversation about suicide among gay and bisexual men living with HIV as a means of lobbying for targeted mental health and suicide prevention programs for this population. It was completed in partnership with the BC Centre on Substance Use, the Health Initiative for Men (HIM), and the Pacific AIDS Network.



Just Another Day with Full Blown AIDS

Margarite Sanchez and Kath Webster, 1997

This historical collage depicts the journey of two women who became friends and supported one another through late stage AIDS. In 1997 triple combination therapy had recently become available and both women achieved 'undetectable' viral loads. However; it was still a time of great uncertainty about whether or not they would survive long-term. The creative process was a means to deal with the myriad of emotions experienced during this very challenging time.

The harsh reality of the diagnosis and illnesses are depicted along with strength, resilience and dark humour – which they both found to be an essential coping strategy. The idea to make this collage came while Margarite was lying in a hospital bed battling opportunistic infections thinking "holy fuck! somehow this needs to be art".

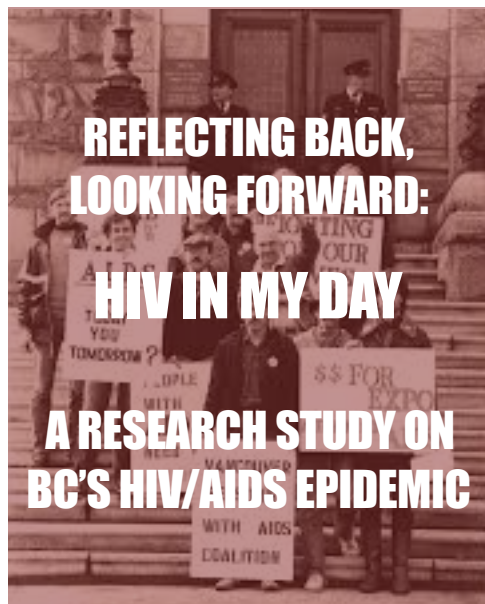
Margarite and Kath are both long-term survivors and have gone on to become passionate activists in the HIV community.



This is Not a Cocktail Party

Peggy Frank, 2013

In 2013, Peggy Frank decided to create a 7-foot martini glass out of HIV medications. 'This is Not a Cocktail Party' took four months to make and used over 2,000 bottles, some saved by Frank, and others donated by the community. Frank and a friend drove the piece from Vancouver to a sculpture competition in St. Andrews, New Brunswick. Frank says, "Turned out that the process of delivering the sculpture was as important as the message. We stopped at the CAHR conference first, then 20 community groups from Surrey to PEI, from Prince George to Winnipeg. I spoke out about issues emphasizing the criminalization of non-disclosure. That glass talked to people. Some saw the amount of waste that one person living with a chronic illness produces. It frightened many, who were newly diagnosed. It helped people understand that living with HIV wasn't easy, and it helped dispel the myth that a daily dose of meds is a cocktail. After spending months at Oak Tree Clinic in Vancouver, and a Pharmacy in Victoria, This is Not a Cocktail Party's final resting place was a recycle bin, not the National Gallery, (which has not paid enough attention to art around HIV or AIDS).



Reflecting Back, Looking Forward: HIV in My Day

The HIV in My Day Study Team, 2018

"Reflecting Back, Looking Forward: HIV in My Day" is an ongoing oral history project documenting the early years of British Columbia's HIV/AIDS epidemic. This community-based project collects the stories of long-term survivors and caregivers to capture what the epidemic looked like during this period and how various communities responded to the crisis. As the meanings of HIV continue to shift in the present and long-term survivors continue to age, it is essential that this period of community history is preserved in order to trace the historical legacies of the epidemic and remind us of the work that still needs to be done.



I See the Fear

Joe Average & Jamie Griffiths, 2004

From Vancouver, Joe Average and Jamie Griffiths, came together over 15 years to create a body of collaborative photo-based work exploring Joe's experience living for 27 years with HIV/AIDS. Taking a psycho-therapeutic approach in the studio, they explore his relationship to his body and medications, and his changing relationship to art. They start with conversation. Move into a concept. Arrange the set and take the photographs. Joe later manipulates the raw images into a new digital expression. They made this short film about their creative process and Joe's battle against Lipoatrophy, commissioned by the Out on Screen Film Festival, 2004.



The Many Masks of HIV

Valerie Nicholson, 2018

Honouring her given names, The One the Eagles Watch Over, and NoDe WenDa {wolf eyes} (Dene), and Auntie (Torres Strait Islander), Valerie is Mi'kmaq and a mother of four boys, and grandmother of four grandsons and one granddaughter. Living with HIV has changed her life, and taken Valerie on a journey to become an advocate, a mentor and most recently an artist (thanks to YouthCo's Camp Moomba). As a child, Valerie discovered stolen potlatch masks encased in glass and knew they wanted to go home. These masks were used in celebration and to tell stories. Valerie uses masks as a way of going back to the old ways and telling stories related to HIV.

"I used to hide behind masks. I'm not hiding anymore."



A Mile in Our Moccasins

Featuring:
William Flett & Lulu
Gurney - Indigenous Youth
Facilitators

A Mile in Moccasins

A Mile in Our Moccasins Team, 2018

This short film was co-created by five Indigenous youth living with HIV. The vision behind the film is to combat HIV stigma, address HIV myths and misconceptions, while awakening compassion, education, and understanding in those who view it. Two of the co-creators, William Flett and Lulu Gurney, will be present at the exhibit on Wednesday February 9th from 5-7pm to answer questions and discuss the film.

We are Here

AIDS Vancouver Island, 2018 (not pictured)

Now in its 6th year, the "We Are Here" anti-stigma project involves local people living with HIV sharing their personal stories with their communities, reminding us all that HIV doesn't just happen elsewhere – it happens right here, too. This project features "Storyboards", art installations featuring a collection of images and real-life stories and experiences from local HIV+ folks.



President's Dream Colloquium on HIV/AIDS

In 7 public exhibitions and lectures from January to April 2019, SFU is bringing together thinkers from around the world to discuss the most important issues in HIV, today and tomorrow. To learn more about colloquium events and how you can participate, please visit www.sfu.ca/dean-gradstudies/events/dreamcolloquium. We would like to acknowledge that this colloquium is held on the unceded traditional territories of the Coast Salish peoples of the Musqueam, Squamish, and Tsleil-Waututh Nations.

Arts Exhibit: The Lived Experience: Art, Advocacy, and HIV

January 8-9, Joseph & Rosalie Segal Centre, HC 1400-1430, SFU Harbour Centre

This multimedia artistic exhibit will showcase pieces that speak to the history, experiences, activism, and research related to HIV in Vancouver and beyond.

Opening reception, Tuesday, January 8, Joseph & Rosalie Segal Centre, HC 1400-1430, SFU Harbour Centre

Valerie Nicholson (Chair of the Board of the Canadian Aboriginal AIDS Network & Indigenous Peer Navigator for the Positive Living Society of British Columbia) & **Julio Montaner**, OC, MD, OBC DSc, FRCPC, FCCP, FACP, FRSC (Director of the British Columbia Centre for Excellence in HIV/AIDS)

Towards an HIV Cure: Challenges and Prospects

Tuesday, January 22, ASB 10900, KEY Presentation Studio, SFU Burnaby

Zabrina Brumme, PhD (Molecular Biologist and Epidemiologist, Director of the Laboratory Program at the BC CfE).

Issues in Criminalization of HIV Non-Disclosure and its Influence on the Landscape of HIV in Canada

Tuesday, February 5, ASB 10900, KEY Presentation Studio, SFU Burnaby

Richard Elliot (Director of the Canadian HIV/AIDS Legal Network), **Marvelous Muchenje** (Community Health Coordinator, Activist, Co-Principal Investigator on the Women, ART, and Criminalization of HIV Study), **Angela Kaida**, PhD (Associate Professor at SFU, Lead Investigator on the Women, ART, and Criminalization of HIV Study).

HIV and Indigenous Communities in Canada

Tuesday, February 26, ASB 10900, KEY Presentation Studio, SFU Burnaby

Carrie Bourassa, PhD (Scientific Director of the CIHR Institute of Indigenous Peoples' Health), **Alexandra King**, MD, FRCPC (Cameco Chair of Indigenous Health at the University of Saskatchewan), **Danita Wahpoosewyan** (Activist, Peer Support Worker at AIDS South Saskatchewan).

Towards a Vaccine for HIV

Tuesday, March 11, Joseph & Rosalie Segal Centre, HC 1400-1430, SFU Harbour Centre

Glenda Gray, MBBCH, FCPaed(SA), DSc (honoris causa) (President & CEO of South African Medical Research Council, Co-Principal Investigator of the HIV Vaccine Trials Network and Director of HIV Vaccine Trials Network Africa).

Community Perspectives on Living with HIV and Where We Go From Here

Wednesday, March 19, SFU Surrey

Bernard Andreason (Activist, Community Leader), **Dakota Descoteaux** (Activist, Community Leader), **Patience Magagula** (Director, Afro-Canadian Positive Network of BC).

Injection Drug Use, and the Interacting Epidemics of Substance Use and HIV

Tuesday, March 27, Djavad Mowafaghian Cinema, SFU Woodward's

Hansel Tookes, MD, MPH (Assistant Professor at the Miami School of Medicine, Activist & Co-Founder of Florida's first Needle-Exchange Program).

WITH GRATITUDE TO OUR SPONSORS AND SUPPORTERS: SFU President's Office, Office of Graduate and Postdoctoral Studies, Office of the Vice-President (Research), CAHR, BC Centre for Excellence in HIV/AIDS, SFU Faculty of Health Sciences, Morris J. Wosk Centre for Dialogue, SSHRC, Tiko Kerr Positive Living, Afro-Canada Positive Network of BC, The Dr. Peter Centre, YouthCo, Joe Average, Denbigh Fine Arts, Presentation Framing

COMMUNITY PERSPECTIVES

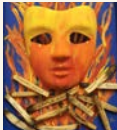
In March 2019, we had a conversation with community about living with HIV in Surrey. We talked about what supports are working, what we can improve, how to challenge stigma, and how we can all work together to support people living with HIV in Surrey.

FOR MORE INFORMATION AND TO JOIN THE CONVERSATION, CONTACT

garyl@positivelivingbc.org
acpnetworkbc@gmail.com



Body Map from the WATCH Study



Artwork by Valerie Nicholson

HIV CARE AND SUPPORT IN SURREY

HAVE YOU CONNECTED WITH PEER
NAVIGATORS AT THESE SERVICES?

POSITIVE HEALTH SERVICES IN THE SURREY JPOCSC

9750 140th Street, Surrey, B.C.
Phone: 604-582-4581

FRASER REGION ABORIGINAL FRIENDSHIP CENTRE ASSOCIATION

13639 108th Avenue, Surrey, B.C.
Phone: 604-595-1170 Ex. 114

AFRO-CANADIAN POSITIVE NETWORK OF BC

10318 Whalley Blvd., Surrey, B.C.
Phone: 604-626-9242

STRIDE WITH PURPOSE

40 Begbie Street, New Westminster, B.C.
Phone: 604-526-2522

POSITIVE HAVEN - LOOKOUT SOCIETY

10697 135A Street, Surrey, B.C.
Phone: 604-588-9004

MAIN FINDINGS:

1. There are many great community-driven and engaged services in Surrey. But, it can be hard for people living with HIV, the wider community, and even service providers to know what supports are available in Surrey. **Some services that can connect you with a Peer Navigator are listed on the left.**

2. **Education for everyone** is the key to ending stigma. We should consider creative strategies, like:

- Social media
- Ads on transit, billboards, public spaces
- Programs in schools & community centres

3. **Structural barriers** can make it hard for some people in Surrey to access HIV care. We could improve accessibility by supporting:

- Transportation
- Culturally safe care
- HIV awareness & testing in primary care

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Cell Biology, Development, and Disease (C2D2)

Website: <http://www.sfu.ca/c2d2.html>

Director: Leroux, Michel

Faculty: Science

Director's Term End 9/1/2020

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The Centre for Cell Biology, Development, and Disease (C2D2) is an interdisciplinary research unit, whose goal is to promote cell and developmental biology research and education as it relates to health and disease. The research programmes of our members encompass a wide array of biomedical research areas, including cell and developmental biology of plants and animals, host-pathogen interactions, microbiology, molecular physiology, neurobiology, and toxicology.

The Centre/Institute's membership and organization structure:

Our total faculty complement includes 39 faculty members across multiple departments, academic units, and educational institutions. Please see the attached membership list for a full accounting. The C2D2 co-Directors for most of this year were Dr. Esther Verheyen and Dr. Michael Silverman. In Spring 2019 Dr. Silverman stepped aside to take on his new role as Associate Dean, Research in the Faculty of Science. The former co-Director, Dr. Michel Leroux, agreed to step in for a one year term, which may be extended. The duties of co-Directors include organizing the monthly seminar series, inviting the Keynote speaker and planning the Annual C2D2 Symposium. Furthermore, the co-Directors liaise with department chairs and other administrators. C2D2 hosts a monthly seminar series, which is open to the SFU research and undergraduate student community in general. Seminars are announced broadly through printed flyers and mailing lists. Attendance at these seminars rivals and even surpasses attendance at most departmental seminars (>60 attendees).

A course initiated and ongoing under the auspices of C2D2, namely BISC 834 (Essential Cell Biology - team-taught by C2D2 members) was offered in the Fall of 2018, and will be offered again in the Fall of 2020. This course is on a two-year rotation. We do not formally engage in C2D2-related undergraduate teaching activities; however, our members are involved in teaching several cell biology, developmental, and disease-relevant courses in different departments, including MBB, BISC, BPK, and in the Faculty of Health Sciences.

Most significant accomplishments:

1. Infrastructure acquisition

A major goal for C2D2 is to enhance research infrastructure within the host departments through grant applications (both operating and equipment). We were successful in obtaining NSERC RTI equipment funding, headed by Dr. Christopher Beh, to expand the electron microscopy facilities at 4D Labs to support the analysis of biological samples. Furthermore, Dr. Tim Audas obtained an RTI to purchase an advanced gel documentation (data acquisition) system that will benefit, similar to the electron microscopy equipment, a large number of researchers across the biological sciences at SFU.

Several members of C2D2 (Tibbits, Voadlo, Verheyen, Silverman) are heavily involved in the establishment of a stem cell facility at SFU, in conjunction with researchers at the BC Children's Hospital Research Centre. Together, this group is preparing a multi-million CFI application to establish facilities at SFU focussed on human patient-specific stem cell research and applications.

2. Engagement

We held a very successful 3rd Annual C2D2 Symposium at the BC Cancer agency. This full-day event was attended by nearly 80 faculty, staff, and trainees at all levels from SFU, BC Cancer, and Trinity Western University (see attached program). The schedule included both short and long trainee talks. We received generous financial donations from MBB, BISC, BPK, FHS and the Dean of Science to support all costs associated with the symposium.

We held another successful year of monthly seminars which involved presentations from undergraduates, grad students, postdoctoral fellows and faculty. We created an announcement poster (see attachment) that was widely distributed and posted throughout the faculty.

In addition to our regular events, we also co-sponsored and promoted events from other groups that are relevant to the mission of C2D2. For example, we co-sponsored "Technological Platforms for Cell Therapy" with BC Regenerative Medicine (BC RegMed), which was held at SFU in the Spring of 2019 (see attachment).

C2D2 is initiating a regular workshop series to promote and educate our members about techniques, career development and resources. The first of these was held in conjunction with 4D labs in June 2019 (see attachment). These workshops, to be presented by graduate/postdoctoral students and faculty members, will provide training opportunities, enhance learning, and help facilitate engagement amongst C2D2 members.

3. Research

Another goal of C2D2 is to facilitate collaborations amongst group members to enhance our competitiveness for operating funds, e.g., CIHR grants. Currently, a number of such collaborations have been funded, including the aforementioned NSERC RTI grants. Furthermore, numerous co-authored publications have resulted from internal collaborations between C2D2 members. C2D2 members are encouraged to use the C2D2 affiliation in addition to their SFU departmental affiliation to enhance visibility of C2D2 (see attachment for example).

C2D2 members were actively involved in the hiring of Dr. Mani Larijani as the Shrum Chair in Biological Mechanisms of Disease. Mani has an outstanding record of publication, funding, and training, and will be a valuable and integral member of C2D2.

Events, workshops, public outreach events:

Members of C2D2 regularly engage in outreach through social media, and public speaking forums. C2D2 member Dr. Esther Verheyen presented a CIHR Café Scientifiques. Further, Dr. Nancy Forde presented a public talk in the Dean of Science Nobel Talks series. C2D2 also has a twitter account @SFU_C2D2 which is used to broadcast events.

Additional documents:

[2018-2019 C2D2 attachment.pdf](#) (attachment below)

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Esther Verheyen, Co-Director

Director's Comments:

Dean's section

Reviewed by:

Paul Kench

Comments:

C2D2 is an active centre that draws together a significant number of faculty. The past year has been busy with workshops and grant successes laying the platform for continued research success.

C2D2 Members

C2D2 encompasses biomedical research groups from the Departments of **Biological Science** (BISC), **Molecular Biology and Biochemistry** (MBB), **Biomedical Physiology and Kinesiology** (BPK), **Chemistry** (CHEM), and **Physics** (PHYS).

Esther Verheyen (Co-Director, MBB) • [Website](#)

epithelial cell communication, signaling pathways, cancer, endocytosis, cytoskeletal regulation

Michael Silverman (Co-Director, BISC) • [Website](#)

cellular neuroscience, axonal transport, cytoskeleton, Alzheimer's disease, neurodegeneration

Tim Audas (MBB) • [Website](#)

Long noncoding RNAs, stress responses, oncogenes

Christopher Beh (MBB) • [Website](#)

lipid signaling and transport within cells, cell polarization, intracellular trafficking and disease

Timothy Beishlag (FHS) • [Website](#)

response to environmental stimuli, anoxia, contaminants

Sheryl Bisgrove (BISC) • [Website](#)

cell and developmental biology in plants and algae, cytoskeleton, control of growth and development in response to environmental cues

Jonathan Choy (MBB) • [Website](#)

Immune system, T cells, cytokines, nitric oxide, nitric oxide synthases, cell death, transplantation, arterial disease

Julian Christians (BISC) • [Website](#)

placental and bone physiology, IGF signalling, IGF binding proteins

David Clarke (BPK) • [Website](#)

quantitative exercise biology, cellular adaptations to exercise-related stressors

Tom Claydon (BPK) • [Website](#)

cardiac potassium ion channels, fluorescence-based electrophysiology

Nancy Forde (PHYS) • [Website](#)

collagen mechanics and homeostasis; osteoarthritis and other connective tissue diseases

Sharon Gorski (MBB) • [Website](#)

autophagy, apoptosis, cell stress, cancer, treatment resistance, breast cancer, pancreatic cancer

Julian Guttman (BISC) • [Website](#)

host-pathogen interactions, bacteria, epithelial cells, cytoskeleton, endocytosis, bioterrorism, enteric infections

Nick Harden (MBB) • [Website](#)

epithelial development, synaptic plasticity, signal transduction, developmental biology, wound healing, neurodegenerative disease

Nancy Hawkins (MBB) • [Website](#)

Wnt signaling, dishevelled, asymmetric cell division, *hcf-1*, *C. elegans*

Harald Hutter (BISC) • [Website](#)

nervous system development, neuronal circuit formation, axon pathfinding

Charles Krieger (BPK) • [Website](#)

Amyotrophic lateral sclerosis, synapse, neurons, protein kinases, adducin, neurodegenerative disease, *Drosophila*

Frank Lee (FHS) • [Website](#)

Dopamine signalling, protein-protein interactions

Michel Leroux (MBB) • [Website](#)

cilia, disease, sensory biology, signalling, development, cytoskeleton, motors, trafficking, genetics, genomics

Carl Lowenberger (BISC) • [Website](#)

host-parasite interactions, RNAi, apoptosis, innate immunity, Dengue, antimicrobial peptides

Gregg Morin (MBB adjunct; UBC; BC Cancer Agency) • [Website](#)

RNA processing in cancer, proteomics

Masahiro Niikura (FHS) • [Website](#)

viruses-host interactions, Marek's disease virus, immunity

Ed Park (MSE) • [Website](#)

biomechatronics, biorobotics, biomedical engineering

Damon Poburko (BPK) • [Website](#)

smooth muscle physiology, Ca²⁺ signaling, mitochondria, hypertension, synaptic organization

Zamir Punja (BISC) • [Website](#)

plant-fungal pathogen interactions, cell and molecular aspects of disease development in plants infected by microbes, fungal development processes

Lynne Quarmby (MBB) • [Website](#)

cilia, cell cycle, cytoskeleton, genetics, calcium signalling

Gordon Rintoul (BISC) • [Website](#)

neurodegeneration, mitochondrial dynamics, intracellular calcium homeostasis, reactive oxygen species, optic neuropathies, fluorescence microscopy

Peter Ruben (BPK) • [Website](#)

Voltage-gated sodium channels, Structure/function, Pathophysiology, Channelopathies, Cardiac arrhythmias, Epilepsy, Electrophysiology

Bingyun Sun (CHEM) • [Website](#)

proteomics, cell surface proteins, embryonic stem cells, N-glycosylation, biomarkers, methodology development for sensitive proteomics

Glen Tibbits (BPK) • [Website](#)

cardiac excitation-contraction coupling, inherited cardiac arrhythmias, congenital heart disease and cardiomyopathies

Ian Tietjen (FHS) • [Website](#)

viral pathogenesis, antiviral discovery, HIV latency, flaviviruses

Peter Unrau (MBB) • [Website](#)

ribozymes, evolution, RNA world

Amandio Vieira (BPK) • [Website](#)

nutrition and metabolism; nutrient carrier proteins; endocytic transport of nutrients; cellular redox balance and oxidative stress; amyloidogenic diseases; epigenetics

David Vocadlo (MBB, CHEM) • [Website](#)

chemical biology; glycobiology; neurodegenerative diseases; imaging probes; protein stability; metabolic engineering; enzyme inhibitors

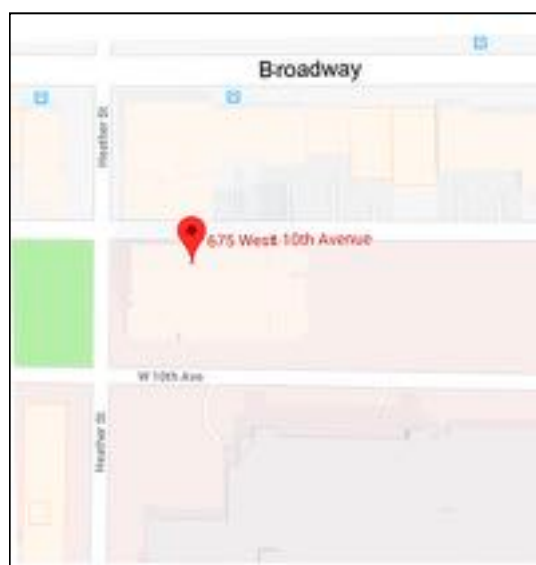
Mani Larijani (MBB) - Shrum Chair in Biological Mechanisms of Disease

processes that mutate and alter the genetic codes of DNA/RNA.



3rd Annual C2D2 Symposium - 2019

May 14th 2019



**BC Cancer Agency,
Research Centre
675 West 10th Ave
Vancouver**

9:15 Welcome

9:30 Talks

10:45 Coffee Break

11:00 Talks

12:30 Lunch and group picture

1:45 Talks

3:00 Coffee Break

3:15 C2D2 Strategy Discussion

3:30 Talks

4:15 Conclusion

A big "Thank You" to our sponsors!

- **BC Cancer Research Centre**
- **Dean of Science**
- **Department of Biological Sciences**
- **Department of Biomedical Physiology and Kinesiology**
- **Department of Molecular Biology and Biochemistry**

information

BCCRC - Auditorium. Enter through the front door and turn right.

public transport bus



99 B-line to Broadway and Cambie. Walk a few blocks west and south 675 W. 10th Ave.

parking



The parking entrance is on Ash Street at the corner of West 10th Avenue.

\$3.50 hourly rate up to a maximum of \$14.25 per day

Enter here



10th Ave

BCCRC wi-fi

Two options:
"BCCRC Visitor" Enter your email address to access the wifi.

EDUROAM (if you have an EDUROAM account at SFU, it should log you in automatically).

Meeting - talks

9:15 Welcome

9:30 Long talks - 17 min + 3 min Q/A

Speaker

Lab

1. Kwangjin Park

Leroux Lab, MBB

Title: Cilium Length Regulation in *C. elegans*

2. Hamida Safi

Hawkins Lab, MBB

Title: W04A8.6, a novel gene implicated in the Wnt pathway regulation

3. Landiso Madonsela

Verheyen Lab, MBB

Title: Studying the tumor suppressor activity of human PTEN variants in *Drosophila*

Short talks - 4 min + 1 min Q/A

4. Jennifer Luu

Lockwood Lab, BCCRC

Title: Identifying Secreted Proteins that Promote Immune Evasion during Malignant Lung Transformation

5. Dominik Gabrych

Silverman Lab, BISC

Title: Designing a high-throughput screen for small molecule activators of the molecular motor KIF1A

10:45 Coffee Break

11:00 PI talk - 25 min + 3 min Q/A

6. Damon Poburko

BPK

Title: Advances in understanding the co-release of sympathetic neurotransmitters

Meeting - talks

11:30 Long talks - 17 min + 3 min Q/A

Speaker

Lab

7. Kevin Rey

Choy Lab, MBB

Title: Composition of the gut microbiota and its metabolites regulate neutrophil responses towards vascular allografts

8. Donald Wiggins

Mattsson Lab, BISC

Title: Large-scale identification of genes with potential roles in heartwood rot resistance - expected and unexpected results

Short talks - 4 min + 1 min Q/A

9. Jenny Liao

Verheyen Lab, MBB

Title: Investigating the Roles of CDK8 in Parkinson's Disease

10. Jonathan Dresselhuys

Mills Lab, TWU

Title: Integrin Linked Kinase (ILK) and Abl in Cell Cycle Progression and Survival

12:30 Group Picture and Lunch

1:45 PI talk - 25 min + 3 min Q/A

11. Glen Tibbits

BPK

Title: Investigating the Function and Pharmacology of Human Induced Pluripotent Stem Cell-derived Atrial Cardiomyocytes (hiPSC-aCMs)

Long talks - 17 min + 3 min Q/A

12. Fayyad Zaman

Beh Lab, MBB

Title: Regulatory Effectors of interactions between ER-PM tethers and phosphoinositide phosphatase Sac1p

13. Rachel Cederberg

Bennewith Lab, BCCRC, MBB

Title: "Innate-like" B-1 B cells in the lung tumor microenvironment

Meeting - talks

Short talks - 4 min + 1 min Q/A

SpeakerLab**14. Kyle Simpson**

Claydon Lab, BPK

Title: Point mutation knock-in efficiencies using CRISPR-Cas9 gene-editing in zebrafish, *Danio rerio***3:00 Coffee Break****3:15 C2D2 Strategy Discussion****3:30 Long talk - 17 min + 3 min Q/A**SpeakerLab**15. Adam Warner**

Leroux Lab, MBB

Title: Identifying genes associated with neuronal and ciliary processes in *C. elegans* using cell-type specific gene expression profiling

Short talks - 4 min + 1 min Q/A

16. Ravichandra Venkateshappa Claydon Lab, BPK

Title: The hERG channel activator, RPR260243, rescues loss of hERG protective current in early cardiac repolarization induced by an inherited mutation

17. Heidi Britton

Sheldon and Rintoul Labs, UBC and BISC

Title: Proteomic analysis of patient-derived fibroblasts harbouring the G11778A mutation of LHON

18. Irvin Ng

Poburko Lab, BPK

Title: Analysis of novel POLG mutants

~4:15 Conclusion



SIMON FRASER
UNIVERSITY

2018-19 Seminars

Centre for Cell Biology, Development, & Disease

September 24th

Dr. Vivian Lee

StemCell Technologies

Vancouver, BC

Room SSB 7172

October 29th

Dr. Ian Tietjen

Faculty of Health Sciences

Room B9242

November 26th

Dr. Michel Leroux

Molecular Biology and Biochemistry

Room SSB 7172

January 28th, 2019

Dr. Glen Tibbits

Biomedical Physiology

and Kinesiology

Room SSB 7172

January 30th, 2019

****C2D2 Annual Speaker****

Dr. Yun Li

Developmental & Stem Cell Biology Program

The Hospital for Sick Children, U. of Toronto

Big Data Hub - Wednesday, 3:30 PM

February 25th

Dr. Sharon Gorski

Molecular Biology and Biochemistry

Room SSB 7172

March 25th

Dr. Peter Unrau

Molecular Biology and Biochemistry

Room SSB 7172

April 29th

Dr. Damon Poburko

Biomedical Physiology

and Kinesiology

Room SSB 7172

Everyone is invited to attend

Seminar titles will be announced as dates near

All seminars are at 12:30 unless otherwise noted

For further information, please contact:

Esther Verheyen - everheye@sfu.ca

Michael Silverman - masilver@sfu.ca

Centre for Cell Biology,
Development and Disease

C2D2

SFU

Technological Platforms for Cell Therapy

**MARCH 6
2019**
Register now!
www.bcregmed.ca

Hosted by BCRegMed and SFU C2D2

- Calling all scientists, trainees, industry, and NGO representatives involved in reg med and cell therapies in BC!
- **Free registration**, networking reception, poster presentations.
- Featured speakers include **Drs. Rob Holt, Mark Brockman, David Vocadlo, Glen Tibbits, Brad Nelson, Megan Levings, Kirk Schultz, Francis Lynn, Tania Bubela, Sowmya Viswanathan.**
- For agenda and more details see www.bcregmed.ca
- Event location: Big Data Hub, Applied Science Building Room 10905, Simon Fraser University

www.bcregmed.ca

  @BCRegMed

BCREGMED

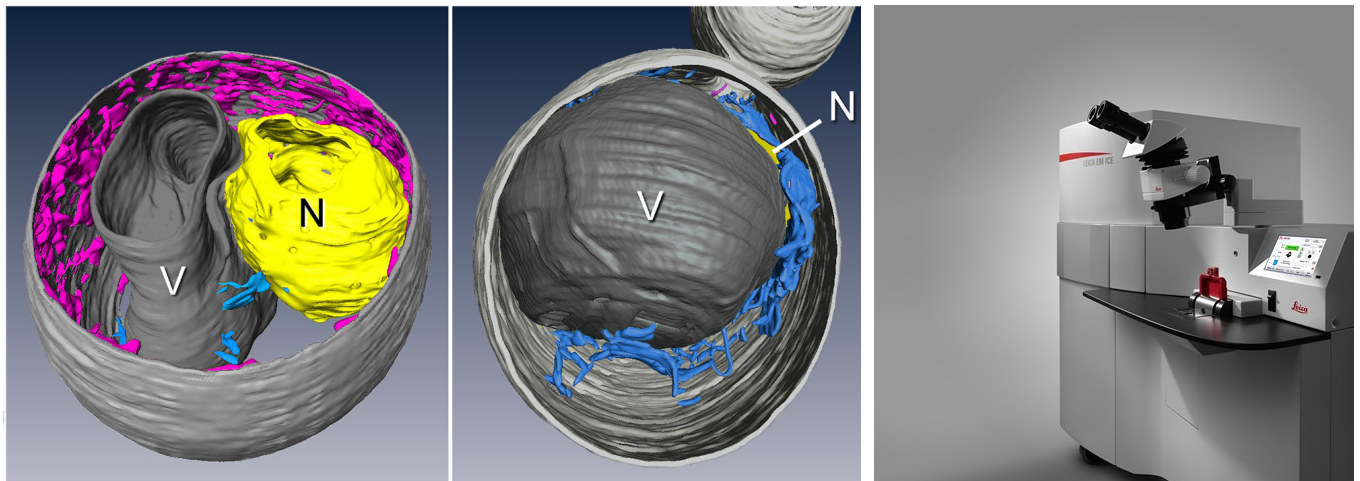


Special seminar – electron microscopy
resources at SFU

Kim Rensing PhD.

Edge Scientific/Leica Microsystems

**“New SFU Equipment For Rapid
Cryoelectron Microscopy of
Cells and Soft Matter”**



2:30 pm, Monday, June 17, 2019
SSB 7172

Everyone is invited
to attend!

RESEARCH ARTICLE

Homeodomain-interacting protein kinase promotes tumorigenesis and metastatic cell behavior

Jessica A. Blaquiére*, Kenneth Kin Lam Wong*, Stephen D. Kinsey, Jin Wu and Esther M. Verheyen[‡]

ABSTRACT

Aberrations in signaling pathways that regulate tissue growth often lead to tumorigenesis. Homeodomain-interacting protein kinase (Hipk) family members are reported to have distinct and contradictory effects on cell proliferation and tissue growth. From these studies, it is clear that much remains to be learned about the roles of Hipk family protein kinases in proliferation and cell behavior. Previous work has shown that *Drosophila* Hipk is a potent growth regulator, thus we predicted that it could have a role in tumorigenesis. In our study of Hipk-induced phenotypes, we observed the formation of tumor-like structures in multiple cell types in larvae and adults. Furthermore, elevated Hipk in epithelial cells induces cell spreading, invasion and epithelial-to-mesenchymal transition (EMT) in the imaginal disc. Further evidence comes from cell culture studies, in which we expressed *Drosophila* Hipk in human breast cancer cells and showed that it enhances proliferation and migration. Past studies have shown that Hipk can promote the action of conserved pathways implicated in cancer and EMT, such as Wnt/Wingless, Hippo, Notch and JNK. We show that Hipk phenotypes are not likely to arise from activation of a single target, but rather through a cumulative effect on numerous target pathways. Most *Drosophila* tumor models involve mutations in multiple genes, such as the well-known Ras^{V12} model, in which EMT and invasiveness occur after the additional loss of the tumor suppressor gene *scribble*. Our study reveals that elevated levels of Hipk on their own can promote both hyperproliferation and invasive cell behavior, suggesting that Hipk family members could be potent oncogenes and drivers of EMT.

KEY WORDS: Hipk, Metastasis, Tumor, Cancer

INTRODUCTION

A number of evolutionarily conserved signaling pathways are used reiteratively during development to control the growth of healthy organs and tissues. Genetic aberrations in pathway components can lead to dysregulated growth signals, often resulting in uncontrolled proliferation and tumorigenesis. With time and further genetic changes, tumor cells can progress into a metastatic state by undergoing epithelial-to-mesenchymal transition (EMT), enabling cells to leave the primary tumor site and travel to other locations in the body (reviewed by Thiery et al., 2009). Many of the cellular markers

and processes involved in vertebrate tumorigenesis are conserved in *Drosophila*, which has been used for decades to study developmental signaling pathways and has been key in revealing molecular functions of human disease and cancer-related genes (Brumby and Richardson, 2005; Gonzalez, 2013; Potter et al., 2000; Rudrapatna et al., 2012). Tissue and organ growth are often studied using the larval imaginal discs, which are epithelial sacs composed primarily of a pseudo-stratified columnar monolayer (Aldaz and Escudero, 2010). Discs undergo extensive proliferation, with subsequent patterning and differentiation to form adult structures, which requires the same key signaling pathways needed for human development and growth (Brumby and Richardson, 2005; Gonzalez, 2013; Herranz et al., 2016; Miles et al., 2011; Rudrapatna et al., 2012; Sonoshita and Cagan, 2017). Low genetic redundancy paired with powerful genetic manipulation tools make *Drosophila* an excellent system for the study of tumorigenesis and metastasis.

Numerous signaling pathways have been implicated in the development of tissue overgrowth and/or metastatic behavior in the fly. The majority of these studies have described tumor models that require the combination of multiple genetic aberrations in order to manifest hyperproliferation coupled with invasive behaviors. The earliest metastasis model involved activated Ras combined with loss of the tumor suppressor *scribble* (Pagliarini and Xu, 2003). Notch pathway activation coupled with alterations in histone epigenetic marks also led to a *Drosophila* tumor model (Ferrer-Marco et al., 2006). Subsequent studies have identified further factors involved in both Ras- and Notch-driven tumorigenesis (Doggett et al., 2015). Other tumor studies involve Epidermal growth factor receptor (Egfr) signaling (Herranz et al., 2012) and the Sin3A histone deacetylase (HDAC) (Das et al., 2013). The Hippo pathway is a potent tumor suppressor pathway that is required to prevent hematopoietic disorders (Milton et al., 2014). Activated JAK/STAT signaling causes leukemia-like hematopoiesis defects in *Drosophila* (Harrison et al., 1995; Luo et al., 1997).

Homeodomain-interacting protein kinases (Hipk) are evolutionarily conserved, and vertebrates possess Hipk1-Hipk4, whereas *Drosophila* and *Caenorhabditis elegans* have only one Hipk each. Hipk family members are expressed in dynamic temporal and spatial patterns, highlighting their important roles during development (reviewed by Blaquiére and Verheyen, 2017). Hipk protein levels are highly regulated by post-translational modification and proteasomal degradation (Saul and Schmitz, 2013). Hipk family members are reported to have distinct and contradictory effects on cell proliferation and tissue growth. Overexpressing *Drosophila* Hipk causes tissue overgrowths in the wing, eye and legs in a dose-dependent manner (Chen and Verheyen, 2012; Lee et al., 2009a; Poon et al., 2012). In *C. elegans*, Hpk-1 promotes proliferation of the germline cells, and loss of *hpk-1* reduces the number of proliferating cells and size of the mitotic region (Berber et al., 2013). *Hipk2*^{−/−} mice have growth deficiencies, and 40% die prematurely (Chalazonitis et al., 2011; Sjölund et al., 2014; Trapasso et al., 2009). In normal human skin, Hipk2 protein expression is enriched in

Department of Molecular Biology and Biochemistry, Centre for Cell Biology, Development and Disease, Simon Fraser University, Burnaby, British Columbia, Canada V5A 1S6.

*These authors contributed equally to this work

[‡]Author for correspondence (everheye@sfu.ca)

 E.M.V., 0000-0002-9795-5094

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/3.0>), which permits unrestricted use, distribution and reproduction in any medium provided that the original work is properly attributed.

Received 23 June 2017; Accepted 8 November 2017

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Experimental and Constructive Mathematics

Website: <http://www.cecm.sfu.ca>

Director: Monagan, Michael

Faculty: Science

Director's Term End

Renewal Date 4/1/2021

Details

Description of the Centre/Institute:

The mandate of the CECM is to explore and promote the interplay of conventional mathematics with modern computation in the mathematical sciences.

The CECM provides a computational environment for research and collaboration in the mathematical sciences. The computational environment consists of three compute servers, a file server, and over 20 desktop computers, connected on a Linux network.

Members use the following mathematical software packages: Maple, Magma, Sage, Matlab, and Singular. We also use the systems programming languages C, python, and Cilk C.

The CECM has a physical lab in P8495 with a small lounge and space for collaboration and 19 desks each with a desktop computer/workstation for students, PDFs, visitors, faculty and others.

The Centre/Institute's membership and organization structure:

The CECM has a director (Michael Monagan), associate director (Luis Goddyn), a (computer) Systems Administrator (John Hebron). There are 13 faculty members, 3 other members, a number of associate members who visit the lab or use the computing facilities, and typically 15 to 20 students members. The number of people and research interests are too many for us to all be interested in everyone's work. A long time ago we divided ourselves into three main research groups that members of the centre participate in, namely, the Computer Algebra group, Discrete Mathematics group, and Number Theory group.

Most significant accomplishments:

Each year the CECM sponsors, helps organize and members participate in the department's annual one day mathematics symposium at SFU. This meeting was initiated in 2003 by the CECM. It became a department wide event in 2010.

This year, August 14th, 2018, there were 5 talks and 21 posters of which 5 were presented by CECM students (Chorney, Hearn, Zotine, Tuncer, Paluck) and 6 were presented by students from outside of the department of mathematics which is a good sign.

Members of the centre participate in the three research groups in Computer Algebra, Discrete Mathematics, and Number Theory. Each group organizes its own seminar series and informal group meetings. Talk speakers/titles/abstracts may be found under the CECM webpages.

During the summer of 2018, instead of organizing formal talks in a classroom, the Computer Algebra group held informal weekly discussion talks in the CECM lab on the whiteboards there, using a computer when necessary. I found this to be a positive experience and it made the CECM lab into a livelier research environment. I also gave two Cilk C tutorials so the students could learn how to use the Cilk C parallel programming language.

Events, workshops, public outreach events:

SFU Symposium on Mathematics and Computation, August 14th, 2018. See <https://www.sfu.ca/math/news---events/departement-events/math-symposium.html>

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Maplesoft (industry) put up \$5,000 towards the purchase of a new compute server with 40 cores for parallel algorithm development. The RTI grant application was unsuccessful. Maplesoft has agreed to try again this Fall. This time I will ask Peter Lisonek to be a co-applicant.

Confirm policy review

Yes

Submitted by:

Michael Monagan

Director's Comments:

Currently we have \$6,800 in N875890 and \$4,350 in S210240 . It's enough for another two years operating costs but after that I will ask Maplesoft for another donation of \$5,000 in a year.

Dean's section

Reviewed by:

Paul Kench

Comments:

The Centre performs a useful function in drawing faculty and students together around its identified theme. Apart from the annual SFU symposium the research outcomes of this effort are not clear.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for High-Throughput Chemical Biology (C-HTCB)

Website: <https://www.sfu.ca/htcb.html>

Director: Linington, Roger

Faculty: Science

Director's Term End

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The Centre for High-Throughput Chemical Biology is a Faculty of Science center whose mission is to provide automated high-throughput liquid handling and screening modalities for researchers at the interface of chemistry and biology.

The Centre/Institute's membership and organization structure:

The HTCB is overseen by the Dean of Science, and advised by an advisory committee made up of SFU faculty. The center is led by Director Linington and Co-Director Voadlo, who are responsible for management and expansion of the centre. The centre is staffed by two Ph.D. level research scientists, and has a 25% FTE administrative assistant.

Most significant accomplishments:

The HTCB has completed a large number of screening projects over the past year, including projects for both academia and industry. These include:

- 1) Completion of a 50,000 compound screen for an academic project in glycobiology, funded by the Glyconet organization
- 2) Development of the cell Painting assay platform as a core technology for the HTCB
- 3) Deployment of the Cell Painting assay for a large-scale industrial contract, which was completed on time and on budget.

Notable media successes

N/A

Events, workshops, public outreach events:

The HTCB is involved in numerous outreach activities, including tours and visits by school groups, and mentorship of high school capstone projects through the STEM integrated science program at Templeton Secondary school in Vancouver.

Financial Summary

Does your institute receive direct financial support from the University?

Yes

SFU Account Number

21-S000103

Opening Balance:

\$124,000.00

Revenues:

\$0.00

Expenditures:

\$0.00

Closing Balance:

\$124,000.00

Financial Contributions from the University

FTE support for 1.25 people from the Dean of Science

List of major equipment provided by the University

None

University Personnel

None

Space provided by the University

Space in TASCII (8201 and 8070)

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Many grant proposals include letters of support from the HTCB. Several of these were funded in the past year, including researchers in Chemistry and MBB.

The HTCB aims to complete industry contracts to offset the operational costs of the centre. We have completed one external contract in this period, with a second contract planned for September 2019. Other negotiations with industry are ongoing.

Confirm policy review

Yes

Submitted by:

Roger Linington

Director's Comments:

N/A

Dean's section**Reviewed by:**

Paul Kench

Comments:

The C-HTCB is performing very well and is beginning to realise its significant potential to support research activity in the Faculty of Science. The Centre is also demonstrating evidence of its ability to attract external research income

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Natural Hazard Research **Website:** <http://www.sfu.ca/cnhr/index.html>

Director: Ward, Brent **Faculty:** Science

Director's Term End **Renewal Date** 4/1/2022

Details

Description of the Centre/Institute:

The CNHR brings together a diverse group of natural hazards experts to conduct innovative research on geophysical processes that are a threat to the population and economic infrastructure of Canada. The Centre has a western Canada focus but the research findings and developed methodologies will be applicable to the whole of Canada and to the international community.

The Centre/Institute's membership and organization structure:

Located in the Department of Earth Sciences at Simon Fraser University, CNHR includes members from various SFU Departments as well as partner institutes in British Columbia and Europe: SFU departments are Resource & Environmental Management, Geography, Engineering Science; BC Partners include UBC (Department of Earth, Ocean & Atmospheric Sciences, Geography, and Forestry); UVIC (Earth and Ocean Science); Douglas College (Earth Sciences); Quest University (Physical Sciences); Natural Resources Canada (Earthquake Seismology, Sidney office) and Minerva Intelligence; International partners University of Torino, Italy and l'Université Clermont-Auvergne, France. The Centre also has a MOU with Miverna Intelligence located in Vancouver.

The Centre for Natural Hazard Research is a Schedule A Centre governed in accordance with University policies (R.40.01, CENTRES AND INSTITUTES) and comes under the direct authority of the Dean of Science. CNHR is governed by a Steering Committee made up of five Simon Fraser University faculty members and up to three representatives from the community. The Steering Committee includes the Co-Directors and Manager of CNHR. Members are appointed by recommendation to the Dean of Science by the Director.

Most significant accomplishments:

1. Dr. Jessica Pilarczyk was hired by the Earth Sciences Department to increase capabilities in Natural Hazards Research, her research areas are Tsunami and Storm surge deposits and Earthquakes.
2. The SFU Centre for Natural Hazard Research (CNHR) hosted a one-day workshop on February 21 to examine the value of a more coordinated and collaborative approach to natural hazard research in British Columbia, and the CNHR's role in making that happen. Natural hazard researchers and their managers from federal and provincial agencies and universities participated in the workshop and shared their perspectives.
3. Working on a CFI Grant to increase capabilities and space.

Notable media successes

Twitter. @CNHR_SFU

Many members engage with the local, national and international media (written, radio, tv) to provide background on natural hazard events and to highlight current research. Some are listed here:

https://www.sfu.ca/cnhr/resources/in_media.html

Highlights include high profile pieces on CBC the National by Glyn Williams-Jones (Mt. Meager) and Gwenn Flowers (Yukon Glaciers and Climate Change).

Events, workshops, public outreach events:

Pint of Science May 21-22 <https://pintofscience.ca/event/living-on-the-edge-hazardous-earth>

<https://pintofscience.ca/event/where-things-are-wetter-oceans-and-coasts>

Plus, numerous lectures to school and community groups on Natural Hazards

We also produce a quarterly newsletter ("Risky Ground") distributed by email.

Financial Summary**Does your institute receive direct financial support from the University?**

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Canadian Mountain Network Centre for Excellence – we are the Natural Hazards Hub

Specific Grants

Managing Groundwater Resources in Mountainous Areas: Planning for and Adapting to Drought Conditions – 14,500 over 3 years

The Mountain Risk Knowledge Exchange - Building Risk Management Capacity and Resilience in Mountain Communities– \$403,000 over 3 years.

Confirm policy review

Yes

Submitted by:

Brent Ward with input from Glyn Williams-Jones

Director's Comments:

It has been a very good year and we hope the CFI is successful!

Dean's section**Reviewed by:**

Paul Kench

Comments:

The Centre had a busy year and is gearing up to submit a large CFI proposal to elevate its status and research programme. This development is an important strategic research development. The direct research outcomes are not clear from the report.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Centre for Wildlife Ecology **Website:** <http://www.sfu.ca/biology/wildberg/NewCWEPAGE/CWEnewTestHome.htm>

Director: Ydenberg, Ronald **Faculty:** Science

Director's Term End 8/31/2019 **Renewal Date** 4/1/2022

Details

Description of the Centre/Institute:

The Centre fosters high quality graduate training and research, conducts basic and applied research in wildlife ecology, and provides knowledge and personnel that help Environment and Climate Change Canada (E3C) and other agencies meet the challenges of conservation in the 21st century. The central concept is to foster synergy between mission-oriented research and management policies of E3C and the basic research agenda of SFU.

The Centre/Institute's membership and organization structure:

The CWE consists of three SFU Biology professors, one Research Associate, several Research Scientists from E3C who also hold Adjunct Professorships at SFU, about 15 - 20 graduate students, and a varying number of Post-doctoral Research Fellows, honours undergraduate students and research assistants. Ron Ydenberg is the Director of the Centre, and he, along with Drs. Tony Williams and David Green, manage the running and budget of CWE.

Most significant accomplishments:

- 1) Over the past year members of the CWE published 27 papers in refereed journals.
- 2) Three PhD and five MSc degrees were awarded to CWE students over the past year.
- 3) The CWE oversees several long-term research projects investigating topics of concern to E3C including species at risk, population declines of several avian groups (including aerial insectivores, shorebirds and seabirds), effects of human activities on birds, and coastal ecology.

Notable media successes

The CWE has a Facebook page to highlight accomplishments of the group: <https://www.facebook.com/cwesfu/>

Events, workshops, public outreach events:

Many members of the CWE have given public lectures over the past year for naturalists and conservation groups. Several CWE members and alumni are active with WildResearch, a non-profit organization dedicated to building and training a community of "citizen scientists" who contribute to conservation science. WildResearch's first citizen science program was the Iona Island Bird Observatory where members of the public can observe and participate in bird banding. Many students from the CWE volunteer for WildResearch and several are on the Board of Directors of the group.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

Yes

External funding details

Research Contribution, E3C, \$135,000

Research Contribution, Echotrack, \$7,000

Research Contribution, E3C Ocean Protection Plan, \$28,000

Student support, Hancock Research Foundation, \$7,000

Research Contracts (3), E3C, \$21,333

Confirm policy review

Yes

Submitted by:

Ron Ydenberg

Director's Comments:

The CWE continues to perform steadily, at near its capacity.

Since 2002 (since Ydenberg's term as Director), we have graduated: 62 M.Sc., 3 MRM, 6 MET. and 29 PhD students.

Dean's section

Reviewed by:

Paul Kench

Comments:

The Centre continues to perform well. It has maintained external partnerships and funding and has been productive given the size of the research faculty and graduate students contributing to the group.

Report Type: Annual Report

Reporting Year 2019

General Information

Name of the Centre or Institute: Evolutionary and Behavioural Ecology Research Group

Website: <http://www.sfu.ca/biology/research/ecology-evolution/eberg.html>

Director: Ydenberg, Ronald

Faculty: Science

Director's Term End 8/31/2020

Renewal Date 4/1/2020

Details

Description of the Centre/Institute:

The research group was formally established in 1989 to pursue basic research in behavioural ecology; to maintain and develop an internationally recognized student training centre in behavioural ecology, and related areas of inquiry; and to provide a service to government, industry and others to tackle basic and applied problems in behavioural ecology through collaborative research. Members are drawn from the Departments of Biological Sciences, Psychology and the School of Resource Management.

The Centre/Institute's membership and organization structure:

There are 15 faculty and more than 90 graduate students at SFU associated with the group, as well as several post-doctoral fellows. A few faculty members from UBC and UVic and several adjunct faculty from Environment and Climate Change Canada complete the group.

Most significant accomplishments:

- 1) The full members of eBERG brought in over \$ 2.5 M in grants and contracts
- 2) Collectively they published nearly 90 refereed papers and book chapters during the year and had an additional 30 papers in press as of 31 March 2019.
- 3) A total of 20 PhD and Masters students were graduated during 2018-2019. Members collectively supervised 61 graduate students as of 31 March 2019. eBERG continued to offer a regular suite of graduate courses to good student demand.

Events, workshops, public outreach events:

Many eBERG members gave presentations at public events in 2018. These talks educate the public about our research and why behavioural ecology is important to the general public. Bernie Crespi presented a lecture at the Science in Society Speaker Series at the Okanagan Science Centre entitled "Where Darwin Meets Freud: the evolutionary biology and psychology of human mental illness". Several members of the group are on the boards of COSEWIC (endangered species) panels. Several serve on the boards of scientific societies.

Financial Summary

Does your institute receive direct financial support from the University?

No

Was the Centre/Institute leveraged to attract external funding (donations, grants, contracts) which were only made possible by its existence

No

Confirm policy review

Yes

Submitted by:

Ron Ydenberg

Director's Comments:

eBERG is an umbrella for several groups in the Biology department for which it organizes courses and lectures, and maintains a field vehicle.

Dean's section**Reviewed by:**

Paul Kench

Comments:

The research group maintains a healthy membership of faculty and graduate students. It has attracted significant research income and has been very productive.