Edited by Merrill Farmer,
Jovanna Guzzo Bonifacio, and David Burley
Prepared by Jaclyn McLeod

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Chair’s Report

The pages to follow include a plethora of information on department staff, students and various programs from field schools to research centres. These pages, I believe, attest to a collective success in faculty publication, grants acquisition and international diversity in research enterprise. Our academic programs have been stable over the period with majors/minors hovering around 210, overall enrolments inching upward, MA and PhD students numbering in the range of 60, research grant productivity high and our graduands moving on to do well in graduate programs elsewhere or in finding meaningful employment in public or private sector pursuits. In the last Biennial Report I also highlighted our planned development of a Professional Masters in Heritage Resource Management to further train and advance students along their chosen career paths. As a significant expansion to Department graduate programming the first cohort of 11 students began in 2016. We sincerely believe this program will have substantive impacts across the heritage field as our current and future students complete their degrees. In all of this, I congratulate faculty, staff and students for a job well done.

The years 2015 and 2016 have been positive ones for the Department in terms of growth, this occurring on a scale greater than any other two-year period since the Department was created in 1971. On the research side, we have gained two highly prestigious Tier 1 Canada Research Chairs. The first, awarded in December of 2015, was for the hire of Professor Michael Richards as a Canada Research Chair in Archaeological Science. Mike had completed his undergraduate and Masters degree in our department before going on to Oxford for his PhD and then developing a distinguished career with Professorships at University of Durham, Max Planck and University of British Columbia. Mike describes his return to SFU as “coming home”, and with that he brings the Department significant capacity for stable isotope research by a well recognized and widely cited international scholar. The second was to elevate Professor Mark Collard from a Tier 2 CRC to Tier 1. First appointed in 2007, Mark founded the SFU Human Evolutionary Studies program as an interdisciplinary and collaborative research group. Through this, he and his students, post docs and diverse colleagues from SFU and elsewhere have excelled in research and publication in a broad range of areas ultimately applying evolutionary principles to better understand the past and present. Additional faculty hires occurred in 2016 with the joint appointment of Dr. Sabrina Higgins to Hellenic Studies and Archaeology as well as through employment of Dr. Dennis Sandgathe as a continuing term Lecturer. Sabrina brings new capacity for teaching courses in Ancient Rome and Greece, the
backbone upon which we will establish an undergraduate minor in Classical Archaeology. Dennis, simply put, has been an outstanding instructor in Archaeology over the past several years, one who attracts large numbers of students into our first year course in Human Origins. His continuing term employment brings stability to this aspect of our teaching program but also an international recognition for his collaborative work in southern France on Neanderthal sites. And beyond these appointments, we have approval to normalize Dr. David Maxwell as a continuing term Lecturer in 2017 and to fill a newly created Assistant Professor position in Archaeological-Environmental science. Like Sandgathe, Maxwell excels as a teacher and substantively expands our ability to deliver exceptional classroom instruction in a number of different areas.

While new people and programs were being added or emerging in the period of review, others were ending. Of particular note, the SSHRC Major Collaborative Research Initiative project IPinCH (Intellectual Property Issues in Cultural Heritage) under Professor George Nicholas ran its funding course. George nevertheless continues to participate with colleagues and collaborators in their maintenance of IPinCH work and values into the future. Roy Carlson, Emeritus Professor and founding Department Chair, has decided to step down as Editor of Archaeology Press. Amazingly he served in this role since 1971 and for that, we thank him immensely for his achievements but also for his dedicated service through two decades of retirement. We will miss Roy and his wife Maureen’s ever-present SFU tables at conferences from which they doggedly and successfully sold hundreds of our volumes. How we move forward with SFU Archaeology Press in the future remains to be determined, but all volumes are now digitized and will be available to the academic and public in open access format shortly. Laura Walker, our well-liked undergraduate secretary, moved on to Ottawa in 2015 with our best wishes for her success. But most notably, and sadly, I have received notification from our Department Manager, Chris Papaanni that she will retire in 2017. Chris came to the Department in 2005 from First Nations Studies and has been a one-person marvel since. Over that time she has maintained department research, teaching and office accounts, planned and scheduled classes, oversaw TA appointments, supervised office staff, been our representative at numerous administrative meetings and, until recently, served as academic advisor (and at times mother) to our undergraduate student body. Her influence on the Department has been large and her presence will be dearly missed.

As Chair of a research-intensive department, it is easy to boast and overestimate our place within the archaeological discipline in Canada or at a larger scale. In 2016 we were able to gain a better sense of that position in the world when QS International provided its first ever department rankings for the field of archaeology. QS rankings are based on reputational surveys but also two measureable academic criteria, citations per paper and H-index citations. SFU scored lower in the reputational surveys as might be expected when compared to long-esteemed institutions as Cambridge, Oxford, Harvard and Toronto. For the academic criteria we excelled. Faculty publications ranked 10th internationally for citations per paper and 13th overall in H-Index citations. With recently released 2017 rankings in support, I feel confident in saying that our faculty members are performing well on the global stage and that our international recognition, as a consequence, is on the rise.

Finally it is time for me to report that my term as Chair ends in September 2017. I have had a long and fulfilling association with the Department, arriving in 1974 as a PhD student, leaving in 1978 but returning again in 1985 to join the faculty. I have served three terms as Chair, cumulatively including a 12 year period. During my time at SFU I have been privileged to work with incredible colleagues, brilliant students and dedicated support staff. Thank you all! It is time now to pass the reigns to Professor George Nicholas to take us forward into a bright looking future.

David Burley
Department Chair
Department Organization

Faculty
Dr. Francesco Berna  Assistant Professor
Dr. David Burley  Professor & Chair
Dr. Hugo Cardoso  Assistant Professor
Dr. Mark Collard  Professor
Dr. Catherine D'Andrea  Professor
Dr. Jon Driver  Professor
Dr. Birute Galdikas  Professor
Dr. Ross Jamieson  Associate Professor
Dr. Dana Lepofsky  Professor
Dr. Robert J. Muir  Senior Lecturer
Dr. George Nicholas  Professor
Dr. Rudy Reimer  Assistant Professor
Dr. Mike Richards  Professor
Dr. Dennis Sandgathe  Lecturer
Dr. John Welch  Professor
Dr. Dongya Yang  Professor
Dr. Eldon Yellowhorn  Associate Professor

Adjunct Faculty
Dr. Ron Adams
Dr. Alemseged Beldados Aleho
Dr. Clement Apaak
Dr. Ana Boza
Dr. Sarah Carr-Locke
Dr. Diane Cockle
Dr. Jerome Cybulski
Dr. James Delgado
Dr. Christopher Dore
Dr. Paul Goldberg
Dr. Richard Lazenby
Dr. Natasha Lyons
Dr. George MacDonald Bill Reid Fndn.
Dr. Alan McMillan
Dr. Deborah C. Merrett
Dr. Neil Price
Dr. Mike Richards
Dr. Andonis Vasilakis
Dr. Sarah C. Walshaw
Dr. Darlene Weston
Dr. Michael Wilson
Dr. Robyn Woodward

Department Staff
Merrill Farmer  Chair Secretary & Graduate Program Assistant
Jovanna Guzzo Bonifacio  Undergraduate Program Assistant & Budget Clerk
Chris Papaianii  Manager, Academic & Administrative Services
Peter Locher  Laboratory Technician
Dr. Barbara Winter  Museum Curator
Shannon Wood  Laboratory Manager
Vlad Vintila  Undergrad Academic Advisor

Emeritus Faculty
Dr. Roy Carlson
Dr. Knut Fladmark
Dr. Brian Hayden
Dr. Erle Nelson
Dr. Mark Skinner
Associate Faculty
Dr. John Clague
(Earth Sciences)
Dr. David Huntley
(Physics, Professor Emeritus)
Dr. Rolf Matthews
(Biology)
Dr. George MacDonald
(Bill Reid Foundation)
Dr. Pablo Nepomnaschy
(Health Sciences)

Sessional Instructors
Ernest Bumann
Douglas Ross
Elizabeth Doyle
Benjamin Raffield
Barbara Winter
Patrick Dolan

Limited Term & Laboratory Instructors
David Maxwell
Deborah Merrett
Chris Springer
Elizabeth Peterson
Deborah Merrett
Luisa Marinho
Heather Robertson

Post Doctoral Fellows
Christina Cheung
Vance Hutchinson
Kimberly Plomp
Benjamin Raffield
Valentina Savo
Mana Dembo
Hua Grace Zhang
Staff Profiles (Administrative)

Merrill Farmer

Merrill Farmer joined the department in 2007 after graduating from Simon Fraser University with a Bachelors degree in Political Science. Merrill’s main roles as Graduate Program Assistant & Secretary to the Chair include graduate admissions, awards and advising, as well as assisting with tenures, promotions and faculty liaising. Merrill takes pride in working in the University environment and aiding in the success of students.

Jovanna Guzzo Bonifacio

Jovanna graduated from Vancouver Community College in 2010 with a Medical Office Assistant certificate and joined the Department in June 2015. She previously worked at Fraser Health and Vancouver Coastal Health providing administrative and secretarial support to physicians. Some of her duties as the Undergraduate Program Assistant & Budget Clerk include: coordinating course materials such as textbook orders, course outlines, and exam duplicating; preparing and processing a variety of financial and business claim forms such as travel claims and cash advances; and account reconciliation.

Chris Papaiananni

Manager, Academic & Administrative Services

Chris joined the department in 2006 and holds a BA in Psychology from SFU. Chris manages the departmental operating accounts, develops and proposes the annual instructional teaching budget and enrollment targets for the Chair's approval, and provides administrative support for research and specific purpose budgets. Chris is also a member of the undergraduate curriculum committee, manages term enrollments to maximize opportunities to increase course registrations, and develops and participates in long-range course planning.

Vlad Vintila (PhD, MA)

Vlad joined the Archaeology Department as Undergraduate Academic Advisor on a part-time, two days a week appointment in July 2015. In this capacity his duties include undergraduate student advising (from general queries about the program, to course planning, registration, and graduation reports), integrated with recruitment and retention efforts. He completed a PhD at Columbia University and his MA at the University of Virginia, both in Italian.
Staff Profiles (Technical)

Dr. Barbara J. Winter

Dr. Barbara J. Winter is the Director of the SFU Museum of Archaeology and Ethnology and has developed or supervised the development of all the museum exhibits, both in the gallery, on the web site and supporting social media outreach. She has developed a very successful Research Associates programme that creates opportunities for graduating students to gain experience in museums to enhance their career potential.

She is responsible for all collections management of both the archival photographic collection and objects collection and performs and oversees conservation work. In the last 5 years significant improvements to the museum physical space and security have been overseen by the Director. Barbara teaches museum studies and conservation in the Department of Archaeology. She has worked in several major museums and travels extensively. She volunteers on the Coquitlam Heritage Board, chairing Strategic Initiatives. She is a Director of the BC Archaeological Repositories Society. Her websites have won many awards, including the AVICOM/ICOM/UNESCO Grand Prix.

Shannon Wood

Shannon earned a BA, High Honours, in Anthropology from the University of Saskatchewan and an MA in Archaeology at SFU. Her areas of interest are bioanthropology and field methods. She currently participates in the Eastern Tigrai Archaeological Project in Ethiopia.

Peter Locher

Peter is responsible for all technical aspects of the Department’s teaching/research laboratories and collections, computing operations, and the maintenance of laboratory and field equipment. Peter received an MA from SFU in 2006. His specialization is Geoarchaeology and BC prehistoric archaeology.
Committees

Department Tenure Committee 2015
Chair:
David Burley

Associate Professors:
Ross Jamieson
John Welch

Professors:
George Nicholas
Catherine D’Andrea

Assistant Professor:
Hugo Cardoso

Alternate:
Eldon Yellowhorn

Graduate Program Committee 2015
Chair:
Dana Lepofsky

Associate Professors:
Hugo Cardoso
Dongya Yang

Grad Representatives:
Laure Spake
Merrill Farmer

Department Tenure Committee 2016
Chair:
David Burley

Associate Professors:
Ross Jamieson
Pablo Nepomnaschy

Professors:
Catherine D’Andrea
Dana Lepofsky
George Nicholas

Graduate Program Committee 2016
Chair:
Dana Lepofsky

Associate Professors:
Hugo Cardoso
Mike Richards

Grad Representative:
Chelsea Meloche
Merrill Farmer

AGSC 2015
Chair:
Laure Spake
Co-Chair: Megan Harris
Treasurer: Kelly Brown
Secretary: Sarah Lison
TSSU Steward: Sandie Dielissen
GSS Rep: Thomas Royle
Department Liaisons:
Elizabeth Peterson
Chelsea Meloche

**Spring 2015:**
President: Brea McCauley
Vice president: Madisen Hvidberg
Interdepartmental liaison: Sheldon Leahy
Secretary: John Vandergugten
Treasurer: Ellie Gooderham

**AGSC 2016**
Chair: Laure Spake
Co-Chair: Erin Hogg
Treasurer: Ellie Gooderham
Secretary: Megan Wong
TSSU Steward: Cameron Pollock

**Fall 2015:**
President: Brea McCauley
Vice president: Madisen hvidberg
Interdepartmental liaison: Maddy McCuaig

GSS Rep: Shera Fisk
Dep't Liaison: Chelsea Meloche

**Spring 2015:**
President: Brea McCauley
Vice president: Madisen Hvidberg
Interdepartmental liaison: Sheldon Leahy
Secretary: John Vandergugten
Treasurer: Ellie Gooderham

**Fall 2015:**
President: Brea McCauley
Vice president: Madisen hvidberg
Interdepartmental liaison: Maddy McCuaig
Secretary: Jennifer Halliday

Treasurer: Ellie Gooderham

Faculty Liaison: Andrew Latimer

Council Representative: Cameron Pollock

**Library Committee**

Library Committee Representative 2015: Hugo Cardoso

Library Committee Representative 2016: Hugo Cardoso
Graduate Programme

Graduate Programme Committee Report

The Department of Archaeology graduate program continues to thrive. Our graduate and post-doctoral students come from diverse backgrounds and bring to the department a range of skills and expertise. One of the hallmarks of our graduate program is a fluid exchange of ideas among our students and faculty. This is reflected weekly in research team meetings, in our Departmental seminar series, and in lively discussions in the pub.

In 2015 and 2016, we admitted 16 graduate students to our program, 2 transfer students and one qualifying student. As of the end of 2016, our graduate community was composed of 32 MA and 33 PhD students, and 3 Postdoctoral fellows. These students do research in over 10 countries around the world. During 2015-2016, Steve Kasstan, Grace Zhang, Mana Dembo, Luseadra McKerracher, Katie LeBlanc, Jennifer Jones, Audrey Scott, Sarah Carr-Locke, and Marina Elliott were awarded doctoral degrees. Grace Zhang, Mana Dembo and Marina Elliott are currently postdoctoral fellows, Mana and Grace remain in our department, and Marina is at the University of Witwatersrand in Johannesburg and Sarah Carr-Locke is currently the Director of the Prince of Wales Northern Heritage Centre in the Cultural and Heritage Division. Steve Kasstan continues his consulting work in Alberta for CH2M, Katie LeBlanc has become an entrepreneur in the health food sector, and Jennifer Jones works for GML consulting company in Australia. Luseadra is raising a new addition to her family. We also graduated 13 Masters students during that time.

The excellence of our students continues to be evident in the many awards they receive. Many of our students competed in the SFU 3-Minute Thesis competitions in 2015 and 2016. In 2015, MA student Laure Spake won first prize in the Faculty of Environment competition and was an University finalist for her presentation on “Selecting an Appropriate Reference Population for Age Estimation of Juveniles in a Forensic Context.” PhD student Katie LeBlanc won second place and “People’s Choice”. In the 2016 3MT competition, MA student Travis Crowell won People's Choice and Runner-Up in the Faculty of Environment competition.

In addition, our students’ excellence has been awarded with prizes outside the University. In 2015, PhD student Thomas Royle won the "Genome Prize for Socio-economic Applications" for his poster at the 6th International Barcode of Life Conference (http://dnabarcodes2015.org/awards/prizes/); PhD student Chelsey Geralda Armstrong won Canadian Polar Commission’s Northern Scientific Training Program’s Robert McGhee Award; and in 2016, MA Student Ginevra Toniello won the Barbara

MA student Ginevra Toniello and Dana Lepofsky excavating a clam garden on N. Quadra Island.
Lawrence best student paper prize at the Society of Ethnobiology meetings.

Our students also take the lead on cutting edge research of international significance. In 2016, past PhD student and current PDF, Dr., Mana Dembo, published a paper that determined Homo naledi date one million years later than previously estimated and that these fossils are one of our closest relatives. [http://www.sfu.ca/archaeology/news/HomoNalediResearch.html](http://www.sfu.ca/archaeology/news/HomoNalediResearch.html).

In 2015, Mana, along with alumna, Dr. Marina Elliot, was part of the team that recovered these remains in an archaeological site in South Africa. Dr. Elliot gave the Department of Archaeology 3D prints of the reconstructed skull, hand, and foot of H. naledi so we could show off these important remains in their first ever public exhibit. [http://www.sfu.ca/archaeology/news/new-exhibit-homo-naledi.html](http://www.sfu.ca/archaeology/news/new-exhibit-homo-naledi.html)

Our students have strong research records. They publish widely [see page 76] review articles for journals, and sit on the boards of academic journals and societies. Several of them have published in the world’s top-ranked journals. Our students also receive support for their research from a range of national and international funding agencies [see page 14].

Our students’ commitment to scholarship is also reflected in their hosting of the 2015, SFU Archaeology Symposium with the theme, “Water Worlds: Rivers, Lakes, Oceans, and Islands in Archaeological Perspective”. The event was held at the Vancouver Maritime Museum, and featured fourteen oral presentations and ten posters by academic and professional archaeologists from around the Lower Mainland and beyond. In 2016, our students organized the 2016 BC Archaeology Forum. This forum brought over 120 archaeologists from all over BC together to consider the roles between the different branches of archaeology and the ways these roles connect. A program of the day’s events can be found at: [https://drive.google.com/file/d/0B0N6EADSmqOUeFlpUTJkJWhRdjA/view](https://drive.google.com/file/d/0B0N6EADSmqOUeFlpUTJkJWhRdjA/view)

Our students are committed to public outreach – understanding the role that archaeology can play in society at large. In 2015, then MA student Kelly Brown and Museum Curator, Dr. Barbara Winter produced the exhibit “Hunt and Gather: An Interactive Geocaching Activity” for the SFU Museum of Archaeology and Ethnology.

Finally, we are so proud and pleased that Merrill Farmer, the Department’s Graduate Secretary, won the 2016 SFU Staff Achievement Award for Excellence in Student Services. Whether in her role as assistant to the Graduate Chair, or as a personal confident or academic councillor to the graduate students, Merrill plays an integral role in the health and success of our graduate program.

Dana Lepofsky
Graduate Programme Chair
Graduate Students List

**Master’s Students:**

Alexander Allan
Philippe Aubin
Sarah Beaulieu
Kelly Brown
Elisabeth Chatwin
Travis Crowell
Ryan Dickie
Hannah Edmunds
Shera Fisk
Joshua Fontaine
Ellie Gooderham
Hardy Evan
Cara Halseth
Megan Harris
Kody Huard
Gabrielle Jackson
Candice Koopowitz
Sarah Lison
Michelle Lynch
Teresa Matheson
Bethany Mathews
Jaclyn McLeod
Roxanne Pendleton
Cameron Pollock
Melissa Roth
Eric Simons
Lisa Simon
Laure Spake
Megan Thibodeau
Ginevra Toniello
Zoe Walder-Hoge
Alexa Walker

**Ph D. Students:**

Chelsey Armstrong
Fernando Astudillo
Daniela Balanz-tegui
Sarah Beaulieu
William Carleton
Sarah Carr-Locke
Richard Chia
Mana Dembo
Marina Elliott
Travis Freeland
Mariane Gaudreau
Caitlin Henry
Joseph Hepburn
Erin Hogg
Julia Jackley
Jennifer Jones
Marie-Helene Julien
Steven Kasstan
Katie LeBlanc
Jennifer Lewis
Luisa Marinho
Luseadra McKerracher
Chelsea Meloche
Elizabeth Peterson
Antonia Rodrigues
Thomas Royle
Audrey Scott
Laure Spake
Chris Springer
Habtamu Taddesse
Lia Tarle
Megan Wong
Grace Zhang
Graduate Degrees Awarded

Masters:

Brown, Kelly 2016 M.A. Developing Minimally Impactful Protocols for DNA Analysis of Museum Collection Bone Artifacts

Mathews, Bethany 2016 M.A. Spatial Analysis of Pleistocene-Holocene Transition Sites in the Southern Columbia Plateau and Northern Great Basin of North America

Thibodeau, Megan 2016 M.A. Identifying 1 Mya Fire in Wonderwerk Cave with Micromorphology and Fourier - Transform Infrared Microspectroscopy

Spake, Laure 2016 M.A. Selecting an appropriate reference sample for juvenile age estimation methods in a forensic context


Roth, Melissa 2015 M.A. Using Ancient mtDNA to Track Temporal Genetic Changes of Pacific Herring Populations in the Central Coast of British Columbia

Hardy, Evan 2015 M.A. The Bioarchaeological Examination of the Skeletal Remains of Warring States Period Tuchengzi, Inner Mongolia

Walker, Alexa 2015 M.A. Ancient Human DNA Research in North America and Abroad: Challenges and Opportunities

Halseth, Cara 2015 M.A. Reconstructing Northern Fur Seal Population Diversity through Ancient and Modern DNA Data

Beaulieu, Sarah 2015 M.A. Remembering the Forgotten - Archaeology at the Morrissey WWI Internment Camp

Dickie, Ryan 2015 M.A. Identifying Microblade Function at EeRb-140 and EeRb-144, Kamloops, British Columbia
Lynch, Michelle  2015 M.A. Heiltsuk Adoption of Euro-American Material Culture at Old Bella Bella, British Columbia, 1833-1899

Huard, Kody    2015 M.A. Expedient Shell Scrapers in the Kingdom of Tonga

**PhD:**

Steven Kasstan  2016 Ph.D. Caribou is Life: An Ethnoarchaeology of Ethen-eldëli Denesųliné Respect for Caribou

Zhang, Hua Grace 2016 Ph.D. Human Osteoarchaeological Research on Stress and Lifeways of Bronze Age populations in North China

Dembo, Mana  2016 Ph.D. Exploring morphological phylogenetics of fossil hominins

McKerracher, Luseadra 2016 Ph.D. The Evolutionary Ecology of Human Lactation: Correlates of Duration of Breastfeeding


Jones, Jennifer  2016 Ph.D. Historical Archaeology of Tourism at Port Arthur, Tasmania, 1885-1960

Scott, Audrey  2015 Ph.D. The Influence of Surgical Stress on Human Hair Fiber Dimensions


# Graduate Departmental Awards

## Spring 2015

<table>
<thead>
<tr>
<th>Name</th>
<th>Award</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astudillo, Fernando</td>
<td>Provost International Fellowship</td>
<td>CD Nelson Entrance</td>
</tr>
<tr>
<td>Balanz·tegui, Daniela</td>
<td>Provost International Fellowship</td>
<td>Scholarship</td>
</tr>
<tr>
<td>Freeland, Travis</td>
<td>CD Nelson Entrance Scholarship</td>
<td>McKerracher, Luseadra</td>
</tr>
<tr>
<td>Gaudreau, Mariane</td>
<td>CD Nelson Entrance Scholarship</td>
<td>Pendleton, Roxanne</td>
</tr>
</tbody>
</table>

- Marinho, Luisa
- CD Nelson Entrance Scholarship
- Provost's Prize of Distinction
- Travel & Minor Research Award
- External Grad Award – General
Peterson, Elizabeth  President's Scholarship  PhD
Freeland, Travis  CD Nelson Entrance Scholarship
Gaudreau, Mariane  CD Nelson Entrance Scholarship
Harris, Megan  Jack Nance Memorial Grad Scholarship
Hogg, Erin  Dr. J.V. Christensen Grad Scholarship
Hogg, Erin  Graduate Fellowship
Julien, Marie-Helene  CD Nelson Entrance Scholarship
Julien, Marie-Helene  Graduate Fellowship
Julien, Marie-Helene  Provost's Prize of Distinction
LeBlanc, Kathleen  Graduate Fellowship
Lison, Sarah  Alexia Kiaii Arch Grad Scholarship
Lison, Sarah  Graduate Fellowship
Marinho, Luisa  CD Nelson Entrance Scholarship
Marinho, Luisa  Provost's Prize of Distinction
Meloche, Chelsea  Graduate Fellowship
Pendleton, Roxanne  Graduate Fellowship
Rodrigues, Antonia  Graduate Fellowship
Simons, Eric  Graduate Fellowship
Spake, Laure  Graduate Fellowship
Toniello, Ginevra  Carlson Grad Scholarship in BC ARCH

Summer 2015
Armstrong, Chelsey  Travel & Minor Research Award
Astudillo, Fernando  Provost International Fellowship
Astudillo, Fernando  Travel & Minor Research Award
Balanz-tegui, Daniela  Provost International Fellowship
Balanz-tegui, Daniela  Travel & Minor Research Award
Dielissen, Sandra  Travel & Minor Research Award
Freeland, Travis  CD Nelson Entrance Scholarship
Gaudreau, Mariane  CD Nelson Entrance Scholarship
Harris, Megan  Travel & Minor Research Award
Hogg, Erin  Travel & Minor Research Award
Lewis, Jennifer  Travel & Minor Research Award
Marinho, Luisa  CD Nelson Entrance Scholarship
Marinho, Luisa  Provost's Prize of Distinction
Marinho, Luisa  Travel & Minor Research Award
Spake, Laure  Travel & Minor Research Award
Toniello, Ginevra  Travel & Minor Research Award

Fall 2015
Armstrong, Chelsey  CTEF Graduate Fellowship
Astudillo, Fernando  Provost International Fellowship
Balanz-tegui, Daniela  Provost International Fellowship
Beaulieu, Sarah  Graduate Fellowship
Brown, Kelly  Graduate Fellowship
Carleton, William  Graduate Fellowship
Crowell, Travis  Graduate Fellowship
Dielissen, Sandra  CTEF Graduate Fellowship

Spring 2016
Astudillo, Fernando  Provost International Fellowship
Balanztegui, Daniela  Provost International Fellowship
Balanztegui, Daniela  Travel & Minor Research Award
Carleton, William  Travel & Minor Research Award
Chatwin, Elisabeth  Travel & Minor Research Award
Crowell, Travis  Three Minute Thesis Prize
Crowell, Travis  Travel & Minor Research Award
Freeland, Travis  CD Nelson Entrance Scholarship  Marinho, Luisa  Provost's Prize of Distinction
Harris, Megan  Travel & Minor Research Award  Marinho, Luisa  Travel & Minor Research Award
Henry, Caitlin  Travel & Minor Research Award  Meloche, Chelsea  Travel & Minor Research Award
Hogg, Erin  Travel & Minor Research Award  Peterson, Elizabeth  Travel & Minor Research Award
Julien, Marie-Helene  CD Nelson Entrance Scholarship  Rodrigues, Antonia  Travel & Minor Research Award
Julien, Marie-Helene  Provost's Prize of Distinction  Royle, Thomas  Travel & Minor Research Award
Lison, Sarah  Travel & Minor Research Award  Simons, Eric  Travel & Minor Research Award
Marinho, Luisa  CD Nelson Entrance Scholarship  Taddesse, Habtamu  Travel & Minor Research Award
Marinho, Luisa  Provost's Prize of Distinction  Toniello, Ginevra  Travel & Minor Research Award
Pendleton, Roxanne  External Grad Award – General  Marinho, Luisa  CTEF Graduate Fellowship
Royle, Thomas  Travel & Minor Research Award  Marinho, Luisa  Provost's Prize of Distinction
Spake, Laure  Travel & Minor Research Award  Marinho, Luisa  Travel & Minor Research Award
Toniello, Ginevra  Travel & Minor Research Award  Marinho, Luisa  Travel & Minor Research Award

**Summer 2016**

Armstrong, Chelsey  Travel & Minor Research Award  Dr. J.V. Christensen Grad Scholarship
Astudillo, Fernando  Provost International Fellowship  Armstrong, Chelsey  Travel & Minor Research Award
Balanz tegui, Daniela  Provost International Fellowship  Astudillo, Fernando  Graduate Fellowship
Brown, Kelly  Travel & Minor Research Award  Aubin, Philippe  External Grad Award – General
Freeland, Travis  CD Nelson Entrance Scholarship  Balanz tegui, Daniela  Graduate Fellowship
Gaudreau, Mariane  Travel & Minor Research Award  Beaulieu, Sarah  CTEF Graduate Fellowship
Harris, Megan  Travel & Minor Research Award  Beaulieu, Sarah  Travel & Minor Research Award
Julien, Marie-Helene  CD Nelson Entrance Scholarship  Brown, Kelly  Travel & Minor Research Award
Julien, Marie-Helene  Provost's Prize of Distinction  Chia, Richard  CTEF Graduate Fellowship
Jung, Kyle  USRA SocSci & Humanities  Crowell, Travis  Graduate Fellowship
Lison, Sarah  Travel & Minor Research Award  Fisk, Shera  Special Grad Entrance Scholarship
Marinho, Luisa  CD Nelson Entrance Scholarship  Henry, Caitlin  Graduate Fellowship
Marinho, Luisa  Travel & Minor Research Award  Hogg, Erin  Graduate Fellowship
Marinho, Luisa  CTEF Graduate Fellowship  Marinho, Luisa  CD Nelson Entrance Scholarship
Marinho, Luisa  Provost's Prize of Distinction  Marinho, Luisa  CTEF Graduate Fellowship

**Fall 2016**

Armstrong, Chelsey  Dr. J.V. Christensen Grad Scholarship
Armstrong, Chelsey  Travel & Minor Research Award
Astudillo, Fernando  Graduate Fellowship
Aubin, Philippe  External Grad Award – General
Balanz-tegui, Daniela  Graduate Fellowship
Beaulieu, Sarah  CTEF Graduate Fellowship
Beaulieu, Sarah  Travel & Minor Research Award
Brown, Kelly  Travel & Minor Research Award
Chia, Richard  CTEF Graduate Fellowship
Crowell, Travis  Graduate Fellowship
Fisk, Shera  Special Grad Entrance Scholarship
Henry, Caitlin  Graduate Fellowship
Hogg, Erin  Graduate Fellowship
Marinho, Luisa  CD Nelson Entrance Scholarship
Marinho, Luisa  CTEF Graduate Fellowship
Marinho, Luisa  Provost's Prize of Distinction
Marinho, Luisa: Travel & Minor Research Award
Matheson, Teresa: Carlson Grad Scholarship in BC ARCH
Matheson, Teresa: Graduate Fellowship
Meloche, Chelsea: Graduate Fellowship
Meloche, Chelsea: Travel & Minor Research Award
Rodrigues, Antonia: Jack Nance Memorial Grad Scholarship
Spake, Laure: Graduate Dean Entrance Scholarship
Spake, Laure: Provost's Prize of Distinction

Taddesse, Habtamu: Graduate Fellowship
Tarle, Lia: Alexia Kiaii Arch Grad Scholarship
Tarle, Lia: Graduate Fellowship
Tarle, Lia: Travel & Minor Research Award
Toniello, Ginevra: Graduate Fellowship
Walder-Hoge, Zoe: Graduate Fellowship

Graduate External Awards

2015 SSHRC Joseph-Armand Bombardier Canada Graduate Scholarships Program

Masters:
Eric Simons
Kelly Brown

PhD:
Chelsey Armstrong
Sarah Beaulieu

2016 SSHRC Joseph-Armand Bombardier Canada Graduate Scholarships Program

Masters:
Cameron Pollock
Alec Allan
Travis Crowell
Ginevra Tonnielo

PhD:
Marie-Helene Julien
Other Awards

Secretaría de Educación Superior, Ciencia, Tecnología e Innovación

2015 Fernando Astudillo
2015 Daniela Balanzategui
2016 Fernando Astudillo

Society of Ethnobiology Barbara Lawrence Award for Best Student Presentation

2016 Ginevra Toniello

Robert McGhee Award
2015-2016 Chelsey Armstrong

3 Minute Thesis

Laure Spake
2015.
“Selecting an Appropriate Reference Population for Age Estimation of Juveniles in a Forensic Context.”
1st place in the FEnv competition, university finalist

Travis Crowell
2016
"Follow the Shore: Refining Local Sea-Level Histories through Settlement Change in Waiatt and Kanish Bays, Quadra Island, BC
Graduate Student Caucus Report

The Archaeology Graduate Student Caucus (AGSC) meets monthly to discuss happenings and developments in the Department, Faculty, and University. We act as representatives of the Department’s graduate students, but we also create a place to exchange ideas. Over the last two years, our focus has been on promoting our research in the University and beyond.

In recent years, our students have been active in organizing several successful conferences and symposia. In 2015, we held our first annual SFU Archaeology Symposium, organized by Katie Leblanc and Travis Freeland. In 2016, Chelsea Armstrong hosted the second meeting of the New International Community for Historical Ecology. Also in 2016, Erin Hogg, Megan Harris, and Laure Spake organized the annual B.C. Archaeology Forum on behalf of the graduate students.

Our students also participate in the 3 Minute Thesis (3MT) competitions on a yearly basis. In the last two years, several students have competed within the Faculty, and two, Laure Spake and Travis Crowell, have competed at the University level.

We continue to fund student research and conference travels. Over the last two years, we have allocated over 20 such grants to students, in addition to three prizes for a 3MT Department heat. We have been able to do so by securing funding, mainly from the Graduate Student Society, but also from the Faculty of Environment and the Department, to help defray the costs of hosting our events.

This year, we are happy to welcome the Heritage Resource Management Master’s students to the AGSC. We hope that as the Program comes into its own, we will be able to provide another point of community for them in the Department. In the next few years, our goal is to continue to be a place for students to gather and create a dynamic community within the Department of Archaeology.
HRM MA & Certificate

Professional HRM MA & Certificate Program

After a year of intensive planning and preparation supported by an SFU POST grant, SFU Archaeology’s Professional Graduate Program in Heritage Resource Management (HRM) officially launched in September 2016. The three-day orientation kick-off, attended by all 11 incoming candidates, included events and exercises to familiarize the first Program cohort with the coursework and thesis requirements and to build the esprit du corps essential to student success, even in predominantly online curricula.

To date, each and all of the candidates have completed the first term of coursework (ARCH 531 HRM Law & Policy and ARCH 541 HRM Ethics & Practice) and are ploughing through ARCH 551 (HRM Business Management) and ARCH 561 (HRM Research Design & Methods). Candidate reactions to the coursework and overall Program design have been extremely favorable, and applications for the 2017 cohort are underway.

A few additional HRM Program highlights and supplements:

- Experimentation with the creation of a YouTube channel for SFU Archaeology featuring Thursday seminars to allow off-campus students to participate in the Department’s intellectual life.

- Online debut of the entire catalogue of SFU Archaeology Press monographs on SFU Summit, the University’s institutional repository—all available now as free downloads.

- Recruitment of about eight archaeologists and HRM scholar-practitioners not previously associated with SFU to serve as members of HRM candidate’s supervisory committees.

HRM Students

Michael Campbell
Brenda Gould
Brian Hannah
Jodie MacMillan
Christian Meir
Derek O’Neil
Casey O’Neill
Whitney Spearing
Marina Tinkcorn
Megan Vanderwel
Lindsay Wright
Undergraduate Programme

Undergrad Programme Committee Report

The undergraduate program remained strong with total in-class enrollments of 3,234 for 2015 and 3,226 for 2016, values that are consistent with the average enrollment totals for the preceding four years (average total annual enrollment for 2011 through 2014 was 3,237). ARCH 100: Ancient Peoples and Places and ARCH 131: Human Origins were particularly popular, especially at the SFU Surrey campus where enrollments have steadily increased. SFU Harbour Centre and SFU NOW offerings included ARCH 131 and ARCH 252: Ancient Egypt and Africa. As well, a section of ARCH 201: Introduction to Archaeology (now renamed Reconstructing the Human Past) was held at Harbour Centre. The department also continued to offer ARCH 100 through the Fraser International College, where enrollments remain steady.

Graduates over the 2014/2015 period included 81 majors (including 9 honours students) and 15 minors/extended minors. In addition, 27 students successfully completed the Certificate in Cultural Resource Management, 11 fewer than during preceding biennial period. A slight drop in the total number of Archaeology Majors occurred between fiscal years 14/15 and 15/16, from a high of 197 down to 173.

Changes to the undergraduate program were relatively minor during the 2015/2016 biennial period. The course credits (units) assigned for a number of second year courses were increased from 3 to 4 in order to bring our lower level programing in-line with other departments in the Faculty of Environment. This included ARCH 201, 272W: Archaeology of the Old World, ARCH 273: Archaeology of the New World, ARCH 285Q: Archaeological Science and ARCH 286: Cultural Resource Stewardship in Global Context. This final course was also officially designated B-HUM (Breadth-Humanities).

The department continued to offer a broad range of regional offerings including: Vikings, Greece, Pacific Northwest, Africa/Egypt, Aztec/Inca and Latin America, as well as two field schools based in British Columbia (described elsewhere). In addition, the department offered a range of special topics courses including Neanderthals, Plagues and People, The Anthropocene, Evolution and Human Behaviour.

ASS Atlatl Workshop

A major initiative, launched in 2016, was the proposal of a new credential: Certificate in Biological Anthropology. If approved by SFUs Senate this credential would recognize students (including archaeology majors and non-majors) who have successfully completed a variety of upper level courses related to biological anthropology as part of their undergraduate degree program. This credential will be beneficial to students pursuing graduate studies or careers in biological anthropology as well the health sciences, forensics and other related disciplines. It is hoped that this program will be officially in-place by Spring 2018.
Honours Theses Completed

Halliday, Jennifer 2016 “Assessing age changes in the correlation between skeletal, dental and chronological age” H. Cardoso

Hvidberg, Madisen 2016 “A critical examination of methods used to estimate Neanderthal populations in middle Palaeolithic Eurasia” D. Sandgathe

Thomas, Karen 2016 “Decentering Notions of Archaeological Context in Favor of an Indigenous Materiality: An Exploration of Meaning in the Collection Behaviours of one Descent Community Instructor” J. Welch

Tuttosi, Paige 2016 “Develop a sex determination approach from Skeletal remains using measurements of Permanent tooth crown dimensions in a Northwest Coast First Nations population” H. Cardoso

Anderson, Melissa 2015 “Adult age estimation in skeletal remains” D. Merrett

Glover, Elle 2015 “Rushin’ To Canada: Russian Immigration to Vancouver from 1891 to 1921” R. Jamieson

Harding, Jonathan 2015 “Life in the Ice Box: A Re-Evaluation of Our Current Understanding of Neanderthals Pertaining to Their Physical and Isotopic Strangeness” M. Collard

McCuaig, Madeline 2015 “Growth of the cranial bones as a means for age Estimation in skeletal remains from forensic and archaeological contexts” H. Cardoso

Nichols, Christopher 2015 "Bare Bones of the Northmen: a review of English-language literature on Viking Age osteoarchaeology." M. Collard

Vandergugten, John 2015 “Considering change in the child: Long bone metaphyseal and epiphyseal growth for age estimation in immature human skeletal remains using historic burial collections from Portugal and England”
Undergraduate Awards and Prizes

VPR Undergraduate Student Research Award winners

2015 (part-time)
Janet Anderson
Lisa Chatwin
Maribeth Arif

2015 (full-time)
Cheryl Sweeney
Peter Wallace
Julian Henao
Stefani Spirkovska
Vincent Mitra

2016 (part-time)
Paige Tuttosi
Cameron Van Hemmen

2016 (full-time)
Julian Henao
Matthea Wiebe
Kyle Jung

Dean’s Convocation Medal
2016  Tessa Fryer

Graduation Book Awards

2015  Eric Simons  (Phil Hobler Book Prize)
      Kristen McLaughlin  (Ann Sullivan Book Prize)

2016  Tessa Fryer  (Phil Hobler Book Prize)
      Madisen Hvidberg  (Ann Sullivan Book Prize)
## Undergrad Courses Offered

### Spring 2015

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ARCH 373-5 Human Osteology
D100 Burnaby H. Cardoso

ARCH 376-5 Quantitative Methods in Archaeology
D100 Burnaby R. Muir

ARCH 377-5 Historical Archaeology
D100 Burnaby R. Jamieson

ARCH 452-5 Introduction to Paleopathology
D100 Burnaby H. Cardoso

ARCH 471W-5 Archaeological Theory
D100 Burnaby G. Nicholas

Summer and Intersession 2015
ARCH 100-3 Ancient Peoples and Places
C100 Distance (Reg) R. Jamieson
D100 Burnaby (Int) D. Sandgathe

ARCH 131-3 Human Origins
C100 Distance (Reg) D. Sandgathe
E100 Burnaby (Int) D. Sandgathe

ARCH 252-3 Ancient Egypt and Africa
D100 Burnaby (Int) E. Bumann
J100 Vancouver (Reg) E. Bumann

ARCH 301-3 Ancient Visual Art
C100 Distance (Reg) B. Winter

ARCH 433-3 Background to Field Work
D100 Burnaby (Reg) R. Muir
(Local Field School)

ARCH 434-3 Archaeological Field Methods
D100 Burnaby (Reg) R. Muir
(Local Field School)

ARCH 435-6 Field Work Practicum
D100 Burnaby (Reg) R. Muir
(Local Field School)

Fall 2015
ARCH 100-3 Ancient Peoples and Places
C100 Distance R. Jamieson
D100 Burnaby D. Sandgathe
D200 Burnaby D. Maxwell
D900 Surrey D. Sandgathe

ARCH 131-3 Human Origins
C100 Distance D. Sandgathe
C200 Distance D. Sandgathe
D100 Burnaby H. Cardoso
D900 Surrey D. Sandgathe

ARCH 201-4 Introduction to Archaeology
D100 Burnaby D. Burley
D200 Vancouver D. Maxwell

ARCH 272W-4 Archaeology of the Old World
D100 Burnaby D. Ross
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**Spring 2016**

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### Fall 2016

**ARCH 100-3 Ancient Peoples and Places**
- **C100** Distance: R. Jamieson
- **D100** Burnaby: D. Maxwell
- **D200** Burnaby: F. Berna
- **D900** Surrey: E. Bumann

**ARCH 131-3 Human Origins**
- **C100** Distance: D. Sandgathe
- **C200** Distance: D. Sandgathe
- **D100** Burnaby: D. Sandgathe
- **D900** Surrey: D. Sandgathe
- **J100** Vancouver: E. Doyle

**ARCH 200-3 Special Topics in World Prehistory:**
- **ARCH 200-3 Special Topics in World Prehistory:**
  - The Vikings
  - **E100** Burnaby: B. Raffield

**ARCH 201-4 Introduction to Archaeology**
- **D100** Burnaby: D. Burley

**ARCH 272W-4 Archaeology of the Old World**
- **D100** Burnaby: A. D’Andrea

**ARCH 286-4 Cultural Heritage Stewardship**
- **D100** Burnaby: J. Welch
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<td>H. Cardoso</td>
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<tr>
<td>ARCH 375-3</td>
<td>From Soup to Nuts: The Archaeology of Food</td>
<td>E100</td>
<td>Burnaby</td>
<td>A. D’Andrea</td>
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<tr>
<td>ARCH 388-5</td>
<td>Geoarchaeology</td>
<td>D100</td>
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<td>F. Berna</td>
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<td>Archaeological Theory</td>
<td>D100</td>
<td>Burnaby</td>
<td>G. Nicholas</td>
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Field Schools

The 2015 Tsleil-Waututh/SFU Port Moody Field School

During the summer of 2015 the department offered a local archaeological field school run in partnership with the Tsleil-Waututh Nation. Twenty-one participants, including twenty SFU undergraduate students and one student from the Tsleil-Waututh community, spent four weeks on the SFU Burnaby campus engaged in lectures, exercises, assignments, and readings in preparation for eight weeks of archaeological fieldwork followed by one week of laboratory work. The field school was run by Dr Robert Muir and Chelsey Armstrong (SFU PhD Candidate) who were generously assisted by members of the Tsleil-Waututh Nation’s heritage resource management team. The fieldwork component began with a week of ‘salvage archaeology’ – screening sediment and recovering artifacts from a previously disturbed archaeological site (the Locarno Beach Site). This
provided students with excellent training in the identification of artifacts and animal bones commonly found at archaeological sites in British Columbia. This was followed by archaeological inventory and excavation of sites along the shoreline of Moody Arm (Port Moody) as well as a botanical inventory of native and invasive plant species of the Port Moody/Noons Creek estuary.

The field project resulted in the discovery of several previously unrecorded archaeological sites and perhaps even more significantly the reinstatement of two sites that had previously been struck from the BC Provincial Inventory due to a lack of conclusive evidence of human occupation. Excavations of one site, at the mouth of Noons Creek, also revealed that what had previously been documented as a disturbed shell midden site actually contained intact deposits representing a 2200 year old house floor and associated slab lined hearth.

In addition to fieldwork, the students also spent three days touring archaeological sites in the southern British Columbia interior and participated in a guided canoe tour of several locations within Burrard Inlet and Indian Arm lead by members of the Tsleil-Waututh Nation. Many of the field school students documented their experiences in an online wordpress blog, which can be found here:

https://intothefield2015.wordpress.com/

Ground stone beads recovered from a salvage archaeology project. (Photo by Stephanie Bepple.)

Undergraduate students Beth Labrecque (foreground) and Chantel Smeysters excavating at Noons Creek. (Photo by Stephanie Bepple.)

Robert Muir
The 2016 K’omoks/SFU Courtenay Field School

The Department’s 2016 archaeological field school was conducted in partnership with the K’omoks First Nation in Courtenay, British Columbia. Twenty-one SFU undergraduate students participated in the field school which was directed by Dr Robert Muir, Chris Springer (SFU PhD Candidate) and Dr Jesse Morin (K’omoks Nation Archaeologist). Prior to heading into the field, students spent five weeks on campus completing readings, assignments, exercises and attending lectures in preparation for the research project. The field component focused on excavation of a large ancient village site situated at the mouth of the Puntledge River. This site that we had the privilege of investigating is known as Pentlatch, and is an extremely important location to the K’omoks Nation. The modern K’omoks First Nations is a hybrid cultural group comprised of people with Coast Salish (Pentlatch and K’ómoks) and Kwakwaka’wakw (Lekwiltok) ancestry. The
Pentlatch were a Northern Coast Salish group whose territory included the Comox Valley and Baynes Sound, and the site of Pentlatch was one of their principal villages.

For six weeks the students lived and worked at Pentlatch, mapping the site, shovel testing to determine the site boundaries and conducting controlled excavations of selected portions of the site. The students also participated in a tour of several archaeological sites in the Courtenay/Comox area guided by local archaeologists and K’omoks community members. Students then returned to SFU for two weeks of laboratory work, sorting, cataloguing and processing artifacts and other samples collected during the field season.

The K’omoks Nation were generous hosts throughout the field project, providing accommodations (campgrounds) and other assistance. The highlight of the project for many students (and the directors) was a final feast arranged for us by K’omoks Nation.

Robert Muir
The Archaeology Student Society has continued to be an active member of the Archaeology Department and the Faculty of Environment over the past few years. We have continued to hold our main event of each semester, the Meet and Greet socials with continued and increasing success. We have also continued other social events for the undergraduate students such as board game nights, movie nights, pub nights, an atlatl making workshop, and others. Additionally, we have also tried to focus on having more professional and academic oriented events; with CV writing workshops, a tour of the UBC Museum of Anthropology, our “Tips and Tricks” series which had seminars on applying to grad school, and breaking into the CRM industry, as well as our first ever Rock Art Walk Field Trip guided by Dr. Rudy Reimer through the Squamish Nation’s Territory.

Over the past two years we have been able to offer over 20 students funding to attend and present at conferences. We have also continued to help organize and have students present at the Undergraduate Student Symposium with the Faculty of Environment which showcases student research projects. Our collaboration with the other student unions in the Faculty of Environment has continued to grow as well. We started our now annual Faculty of Environment Trivia Night that is organized by a team of students from each student union. Furthermore, we have engaged with the Faculty to produce the first two years of EnviroFrosh for new first year environment students coming to SFU.

The Debitage, the A.S.S newsletter, has continued to be offered every semester, with the number of student contributions increasing over the past couple of years. Massive thanks goes to the senior editors we’ve had during this time (John Vandergugten, Madisen Hvidberg, and Alexander Graham) as well as all of the writers and contributors.

We consider ourselves extremely thankful for having such enthusiastic students who make it possible for us to be as active as we are. We are always looking to improve and expand on what we are currently doing to achieve our goal of helping to develop the personal and professional relationships of our undergraduates. We hope that this positive work can continue on well into the future. Our deepest thanks goes to the department and staff for continuing to support, encourage, and contribute to all that we do, as well as a special thanks to the executive members who are the backbone of the student society.

Brea McCauley
On Behalf of the Archaeology Student Society
The Archaeology Laboratories support laboratory classes, field and research projects; acquire and maintain laboratory and field equipment; act as local network administrators; maintain and supply the department laboratories; oversee laboratory safety; and curate the department’s teaching and research collections. Currently the Laboratories are staffed by Shannon Wood, Manager, and Peter Locher, Technologist.

In 2014-2016, laboratory staff supported thirteen laboratory classes, two field schools and approximately forty-five field and laboratory projects led by faculty, graduate and undergraduate students, and visiting researchers. Eleven work-study students and eleven volunteers have been supervised on various projects, including work in the zooarchaeology collection, the historic collection, the teaching collection and osteology. Department teaching and reference collections and excavation level materials are being stored and maintained on an ongoing basis.

Major purchases for the department during this time include teaching casts and equipment for bioanthropology courses, a demoscope and large flat screen TV for classroom demonstrations, a laser rangefinder, drying oven, dissecting microscopes and museum hygrothermographs. Staff also assisted faculty in major purchases for their projects or in setting up their new laboratories. Replenishment of general field school and small laboratory equipment continues. Field and laboratory equipment is serviced on an annual or biennial basis. During this period, staff have had to adapt to new purchase card and finance system changes with their accompanying impacts on purchase requirements and budget monitoring.

Peter Locher cleaning out the laboratories freezers

A number of laboratory tours were conducted for high school students, lower division introductory archaeology courses, the university’s Days of Welcome, self-identified archaeology majors and visiting researchers. Laboratory staff have also assisted in providing material for the FEnv table at various open houses and taken part in Indigenous Students Day. Two workshops in bioanthropology and archaeology were held for upper level elementary classes.

We’ve seen a lot of water in the past two years. In January of 2015, the humidification system linking SWH 9125, 2121 and 9120 failed. A blockage in the system led to overflowing pans in both SWH 9125 and 9121. Luckily, the collections in SWH 9125 were not damaged, but the flooding in SWH 9121 was so severe that the counter top needed to be replaced. A fix was put in place to prevent this from recurring. It then recurred in July of 2015. A further fix was put in place to prevent this from recurring. (It will fail again in 2017, but that can wait for the next report.) The HVAC system in the Museum hallway malfunctioned in the summer of 2016, resulting in a series of flooded floors before the problem could be identified. Also in 2016,
relatively minor flood impacts affected the seminar and autoclave rooms in Saywell Hall. And on Christmas Day 2016, the heating system in the General Office gave way, spewing dangerously hot water and steam into the room and setting off the fire alarm. EDB 9635, 9637, 9637.1, 8617 and 8617.1 were the most badly affected rooms, with lesser impacts in rooms surrounding and beneath the General Office. Mitigation began immediately, extending into 2017.

In the summer of 2015, windows were installed in four labs on the 8000 level of the Education Building, going someway to alleviate the feeling that people had been doomed to work in an airless sublevel concrete bunker with no natural light and a lamentable lack of awareness of any adverse weather conditions. Throughout 2016, staff have been involved in the renovation planning of a new and better space for the repositioned materials in Strand Hall, as well as the logistics involved in their actual relocation. Other, smaller, projects during this time include the removal of a floor installed projecting electrical outlet that was creating a tripping hazard in the General Office and facilitating the heating and venting upgrade along the southern side of the 9000 level corridor in the Education Building.

Areas of concern that had been identified in the 2014 Education Building air quality assessment and building survey were repaired in spring of 2015. Further to the air quality problems discovered in the Education Building, plans have been drawn up to replace the entire Education Building envelope. Laboratory staff have been Department liaisons on this project. In the Archaeology wing this work will include cladding the building exterior, replacing windows and skylights, sprinkler installation and rebuilding and roofing the flaking pit. This work is due to begin in the summer of 2017.

Laboratory staff are members of the North East Campus - Joint Health and Safety Committee. Staff have retrained in Transportation of Dangerous Goods, Level 1 First Aid and Fire Warden protocols. Staff also took part in a Risk Management Workshop in 2015, a radiation survey in December of 2015, risk registry in January of 2016, shake out drills and incident follow up investigations. Grab and go kits and Level 1 first aid kits were refreshed and a number of eyewash stations upgraded. We relayed information about new university safety programs such as the yearly and monthly laboratory inspection guidelines, a new international travel safety program and WHMIS modules. Laboratory staff participate in laboratory inspections and re-certifications and are responsible for ensuring that any deficiencies found in the general areas are mitigated. We continue to manage chemical disposal, hazardous signage, radiation badges and monitor laboratories for any safety issues.

We maintain the Department’s web site. Pages for the new HRM-MA program have been created, ongoing news items and updates to profiles, procedures, field school and events posted. Staff also assist all department members with all computing and audio-visual related operations and trouble-shooting. We regularly attend the
university-wide Local Area Network Administrator Group meetings. In the 2015 Spring semester, we were happy to host some of Geography’s computer courses in our Computer Laboratory after their lab had been flooded.

Laboratory staff are members of the Department’s Repatriation Committee. We have taken part in ongoing discussions and work surrounding the repatriation of the Whey-ah-wichen individual to the Tsleil Waututh and the return and reburial of the Pender individuals to Pender Island. Jack Nance’s Kentucky material was finally repatriated to the Land Between the Lakes National Recreation Area (US Forest Service) in 2015. And, in a process that involved many hoops and much jumping, Mark Skinner’s collection of pig skulls joined him in England.

Peter Locher has bravely tackled the movement of ‘frozen’ animal carcasses from our ancient dying freezers to newer units. I would have helped, but I kept throwing up. This project is almost finished - it will be a relief to see that last of these go.

We have long been involved in finding a location for Hugo Cardoso’s proposed Open Air Taphonomic Facility. This has been a difficult task, in part because no one seems to want to be near an area of decomposing remains and in part because the University has some long-range development plans and is loath to allocate any land for any prolonged period of time. A more remote location for the facility was finally found in late 2015. Survey, clearing and an Environmental Baseline Assessment are scheduled to occur in 2017.

In the wake of Andrew Barton’s abrupt retirement February of 2015, Archaeology laboratory staff became the temporary, stop-gap support staff for the Forensic Centre. We remain the temporary support staff, although the term temporary seems to have dropped off the designation. We have supervised the floor replacement/sealing in most of these laboratories, navigated the rather steep learning curve involved in sorting out the Autopsy Laboratory HVAC system, dealt with yet more leaks – this time in the walk-in cooler, aided in the recertification of equipment and laboratories, and ferried an abundance of Facility personnel into and out of the secure area. We also managed to get the autoclave up and running and develop protocols for its use. An additional bonus was the small fire we started in the autoclave – a unique occurrence and difficult procedure that taught us a few more things about autoclave mechanics, error messages, and firemen.

Shannon Wood
Laboratory Manager
The museum had a very successful programme, with new exhibits, received tours, researchers and film crews, completely revised our web site (https://www.sfu.ca/archaeology/museum.html), off site activities and advising, several large collections acquired valued at just under $200,000 and an expanded cohort of Research Associates. A new archaeology storage space has been acquired at no cost to the department.

New exhibits include the world premiere museum exhibit of casts of *Homo naledi*, given to us by alumnutrix Dr. Marina Elliott; Rocks to Rockets, Mammoths, Dolls and a major installation of shadow puppets created for the 50th anniversary. The opening included representatives of the donor’s family, the SFU gamelan and staff from the Indonesian consulate. This exhibit is down, re-used for FENV posters, and now hold ‘Sailing the Red Sea’, an exhibit on Mersa/Wadi Gawasis (Hatshepsut’s Harbour) sent to us from Dr. Kathryn Bard (Boston U) and Rodolfo Fattovich (Napoli) which opened 2017. Elizabeth Peterson has enhanced this poster exhibit with introductory labels, and a cartoon of a Middle Kingdom ‘Story of a Shipwrecked Sailor’ with downloadable colouring books to be handed out at the opening. The University Highlands school children who have been visiting the museum several times a month for the last year attended the opening and B.Y.O.C., brought their own crayons. This is our first exhibit to be fully presented both in the gallery and online.

*Wayang Kulit: Mastering the Shadows*

The TseK’wa teaching kits continue to be developed, with a focus on casting replicas and creating teaching modules on hafting, basketry and casting. The 1,000 piece lithic collection and teaching kit will be returned to the Treaty Eight Tribal Association in Fort St John.
We secured a major new space for storage of archaeological collections, and liaised with Facilities Management to configure the space as optimally as possible. The move will occur in March of 2017. This has been done at no cost to the department. The Director and several RAs participated in a new Archaeology Repository Workshop series, with representation from First Nations, museums and CRM firms, with B Winter elected to the Board of Directors. This group is now registered with the province and is working toward a set of standards regarding archaeological repositing across the province.

We have hosted visits from several SFU classes from Humanities, History, Education and First Nations Studies, grade school and high school classes, and the day care, as well a touring groups of students from Scowlitz, FN students, WUSC refugees, Rob Field and Kody Huard with their RISC class, FIC students with Dave Maxwell and other groups. This is done as a student recruitment tool and to promote interest in archaeology. As well, we have had film crews filming a short clip for Wild Archaeology, William Lindsay and Ron Johnson filming short teaching clips, a video on Haida language retention, Jennie Bankenship and Marilyn Napoleon from the FN Student’s Association and video for the new HRM MA.

Megan Burchell, Duncan MacLeod and Robin Fisher researched a portion of the collection. The Director worked with William Lindsay and Melanie O’Brien on public art in the AQ North Concourse.

We have completely revamped the museum web site, and continue to develop modules of small collections in the museum holdings, both archival and artifact. We are re-housing the BC lithics collections, removing them from cabinets and drawers where they were being damaged, individually cataloguing them to ensure access, and housing them in boxes.

The Director participated in the Manot Cave project in Israel, continuing conservation work on a Paleolithic hearth. Arch 348 student projects in the fall of 2016 repaired museum objects, and several objects from a community museum in Coquitlam, giving the students experience in a broader range of materials, and engaging the community.

The Museum made a major contribution to the Festival of Learning, part of SFU’s 50th anniversary recognition, with several RAs running archaeology learning programmes at the event.

Research Associates Elizabeth Peterson and Jaclyn MacLeod assisted Cathy D’Andrea’s Ethiopian project, designing and producing posters and labelling, advising on museum exhibits, with Elizabeth setting up the exhibit in Adigrat during the spring 2016 field season.

We received donations from Dr.s Berna, Carlson, Driver, Hayden, Jilek, MacDonald, Stryd and Winter with an approximate evaluation of just under $200,000.

Dr. Barbara Winter
Museum Curator
Administrative Report

The Administrative Offices of the Department of Archaeology are responsible for the timely execution of the approved academic plan, for managing enrollments, executing the temporary instruction and general operating budgets on target, and for administering student award and scholarship funding. The Administrative Office supports Archaeology undergraduate and graduate students through academic and procedural advising from application through to graduation, and our faculty with teaching and research grant administration, appointments, leaves, promotions, and salary reviews.

There were a number of administrative staff changes during this biennial period. Due to increases in program enrollments we were given a two-day undergraduate academic advisor which was filled initially by the promotion of Laura Walker, and then by Vlad Vintila in July 2015 when Laura moved out of province. After a series of temporary employees the new undergraduate and budget assistant was filled by Jovanna Guzzo Bonifacio in June 2015. During Merrill Farmer’s maternity leave the graduate program and chair’s assistant position was filled by Jen Van Rassel from Health Sciences.

During this biennial period the Administrative office administered the mounting of approximately 224 class sections at both the undergraduate and graduate level. There were approximately 6500 undergraduate course registrations and approximately 200 undergraduate majors and 74 graduate students enrolled. Support to these students included the financial administration of approximately $300,000 in scholarship and award funding for graduate students and $8500 in undergraduate funding.

Following the creation of a new on-line Masters in Heritage Resource Management (HRM) administrative staff were involved in the admission and registration of these new students, the mounting of the new course schedule, and subsequent calendar revisions. Administrative staff also oversaw the processing of HRM development funds and all associated expenses and personnel contracts.

Staff incorporated new system changes at the graduate level including a new Graduate Awards system (GA3) that tracks students from application to adjudication, the Graduate Progress Report (GPR) that tracks student milestones, and the Academic Program Review which was extended from the undergraduate to the graduate level and which checks graduation requirements.

Administrative staff advertised, prepared and executed teaching and teaching support contracts for approximately $800,000 during this two-year period. This included 13 sessional, 63 teaching assistants, 18 tutor markers, eight lab instructor, and five limited term positions. Administrative staff also managed the completion and collection of required TSSU documentation and assisted in developing a revised departmental teaching assistant and tutor marker hiring priority policy published in July of 2016.

The Administrative Office supported faculty research by providing financial administration, assisting and facilitating with approximately 150 employment contracts for research assistant and work study students, independent contracts, and by providing and administering purchasing, payment and reimbursement advise and support for research grant and special purpose expenditures during the biennial period.

Administrative staff began training on the new Hyperion budget system, which replaced the Integrated Financial Planning and Budgeting System (IFPBS), as well as the newly upgraded Financial Information System (FINS), which included a new Chart of Accounts that re-framed the structure of financial information for all departments, projects and programs. Staff can now
access a new on-line Knowledge Centre to stay abreast of new and current SFU financial processes.

As mandated by SFU and WorkSafe BC, administrative staff began managing, tracking and retaining the completion of a new online Safety Orientation for New and Young Workers for all new employees, including faculty, staff, research assistants, and post-docs. Supervisors of new employees must also undertake the Supervisor Safety Training module.

Requirements for hiring foreign nationals at SFU also changed during this period. In order to comply with Canada Immigration administrative staff must ensure that individuals being hired or rehired are eligible to work in Canada prior to offering them an employment contract and must ensure that their SIN and VISA are valid through to the end of each and every contract.

The administrative offices ended 2016 with a flood on Christmas Day due to a water pipe bursting in the general office. The damage to the physical space led to the removal of the flooring and walls, compromised computers and equipment, and involved the removal of all administrative office furniture and files. Damage extended to some faculty and lab spaces, the physical anthropology teaching lab and to laboratory space on the 8000 level. The administrative offices were temporarily moved into faculty laboratory spaces across the hall while renovations took place.

Chris Papaianni
Department Manager

SFU Faculty of Environment Convocation
Currently, The Centre’s core researchers specialize in entomology (Gail Anderson), bone chemistry (Lynne Bell), physical anthropology (Hugo Cardoso), DNA (Dongya Yang) and botany (Rolf Mathewes). Members of the centre provide assistance in medico legal death investigations, namely identifying human remains, estimating elapsed time since death and circumstances of death. 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. Since 2014, Dr. Hugo Cardoso and Dr. Gail Anderson have been the Centre’s co-directors. Although the Centre for Forensic Research (CFR) is currently an SFU Research Centre that falls under the Faculty of Arts and Social Sciences (FASS), as the Department of Archaeology left FASS to join the Faculty of Environment (FEnv), the Centre fell under the Research Institutes definition (SFU Policy R 40.01) as a cross-Faculty initiative. Between 2015 and 2016, the Centre lost its lab manager and the Centre’s funding structure was reformulated. In 2016 a strategic plan was prepared and a reconstitution of the Centre as an SFU Research Institute was prepared. The Centre is very active in carrying out applied research, in providing service to the local forensic community, and in training of HQP. Highlights of 2015 and 2016 include the first and second editions of the annual symposium which attracted almost 100 attendees, including students from other universities and higher education institutions in BC, Police forces, forensic pathologists and other forensic experts.

Dr. Hugo Cardoso  
CFR Co-Director
The SFU-JLU Joint Centre for Bioarchaeological Research (JCBR) was officially opened in November 2013 when SFU President Andrew Petter visited Jilin University (JLU) in China. The centre provides a platform for faculty, scholars and students from both SFU and JLU to join forces to advance bioarchaeological studies in Canada and in China and to create an opportunity for both Canadian and Chinese students to gain international research experience in both countries.

The centre currently has 6 SFU faculty members, Dongya Yang (as the SFU director), Jon Driver, Cathy D’Andrea, Deborah Merrett, Hugo Cardoso, Francesco Berna and 11 JLU faculty members with Hong Zhu as the JLU director.

In 2015, Dongya Yang, Debbie Merrett and Kelly Brown (MA student) travelled to China, working closely with JLU faculty and graduate students, ran another successful two-week summer research workshop in human osteoarchaeology at JLU. Cathy D’Andrea came to join the workshop in its second week, giving lectures and commenting on student presentations. In total, about 30 students from 18 top Chinese universities participated in the workshop and the after-workshop excursion.

Other on-going research in 2015 includes those projects carried out by Deborah Merrett, Grace Zhang and Evan Hardy of SFU on human osteoarchaeology, and Zhe Zhang of JLU on zooarchaeology.

The activities of the Centre in 2015 and 2016 were supported mainly through a SSHRC Partnership Development Grant (D. Yang).

Dongya Yang

JCBR Director
Visiting an on-going excavation in China with the workshop students
The IPinCH Project

Last April, the Intellectual Property Issues in Cultural Heritage (IPinCH) project formally came to an end. Over the course of eight years, IPinCH explored the diverse values that underlie attitudes, decisions and actions to facilitate fair and ethical exchanges of knowledge relating to cultural heritage, especially that of Indigenous peoples. The project was funded by a $2.5 million grant from the Social Sciences and Humanities Research Council. The international team included more than 50 archaeologists, anthropologists, museum and cultural tourism specialists, lawyers and legal scholars, ethicists, and others, along with 25 partner organizations, and more than 100 Associate members and 40 student participants.

IPinCH took a very broad approach to “heritage,” defined as the objects, places, knowledge, customs, practices, plants, stories, songs, and designs that define or contribute to a person’s or group’s identity, history, worldview, and wellbeing. Such an expansive view may be incongruous with archaeological and heritage management perspectives that are understandably focused upon material culture. From a Western perspective, things remain the measure of consequence; tangible property continues to the “real” thing. Ultimately, however, no material culture—no artifact or site—has any meaning without the values that are ascribed to. In contrast, for many Indigenous peoples, tangible and intangible elements tend to be
indivisible.

Through a variety of means, IPinCH worked to address community heritage-related needs, improve university research ethics and research practices, and inform heritage policies and their implementation. One means of doing this was through funding a series of projects and special initiatives developed by or with indigenous groups in North America (e.g., Sto:lo, Inuvialuit, Penobscot, Hopi) and beyond (e.g., Ainu, Moriori). These projects addressed a variety of issues and opportunities, such as preserving local values within cultural tourism, developing protocols for research on human remains, repatriating information from museum collections, capturing the history of tribal efforts to preserve intellectual property and creating tribal policies, procedures and protocols that protect intellectual property while complying with current historic preservation laws, developing a cultural knowledge database for recording elders’ traditional knowledge in an indigenous methodological and ethical framework, and more.

While international in scope, IPinCH was also very much engaged in British Columbia, with two community projects in the province. In addition, in late 2014, IPinCH team members developed the Declaration on the Safeguarding of Indigenous Ancestral Burial Grounds as Sacred Sites and Cultural Landscapes in response to the Grace Islet controversy, as well as other threatened archaeological/heritage sites. The declaration states the importance of recognizing and protecting Indigenous ancestral burial sites and calls on all levels of government to work together to ensure such sites are not subject to alteration or damage. It is also a reminder to all parties, including both non-Indigenous governments and researchers, of their existing legal and ethical obligations with respect to First Nations sacred sites on which human remains of cultural and spiritual significance are interred.

Examples of other IPinCH initiatives included:

- Public symposia, such as the “Cultural Commodification, Indigenous Peoples & Self-Determination” (2013), and “DNA and Indigeneity: The Changing Role of Genetics in Indigenous Rights, Tribal Belonging, and Repatriation.”
- Workshops for policy makers, such as the “‘Working Better Together’ conference on Indigenous Research Ethics” (2015).
- Videos of presentations at the SFU President’s Dream Colloquium on “Protecting Indigenous Cultural Heritage), and my TEDx talk on “Why Heritage is Not Just About ‘Things’."
- Community project reports, such as The Journey Home - Guiding Intangible Knowledge Production in the Analysis of Ancestral Remains (with the Sto:lo Nation), and Grassroots Resource Preservation and Management in Kyrgyzstan: Ethnicity, Nationalism and Heritage on a Human Scale.
- Resources for developers and the public, such as Think Before You Appropriate: A Guide for Creators and Designers.
- and a wide array of academic publications, blogs, videos and podcasts, viewing guides, teaching resources, and more. All are available on the IPinCH website: http://www.sfu.ca/ipinch/

IPinCH began with the premise that all peoples have a cultural legacy worthy of respect and protection, but that in colonial contexts Indigenous peoples have historically had little control over their own affairs. I hope that considerable resources we had gathered, both financial and human, have helped to develop, a better understanding of the complex nature of “heritage,” and to provide information and resources to communities, policy makers, and the public.

George Nicholas
IPinCH Director
2015 & 2016 Seminar Series Speakers

Glass Buttes Obsidian Flow

Spring 2015

January 8

Catherine Bell, Faculty of Law, University of Alberta

“Heritage and the Law: Customary, Vernacular, and Legal Approaches to Protecting Indigenous Cultural Heritage”

January 15

Alison Wylie, Department of Philosophy, University of Washington

“Collateral Evidence: Ethnographic Analogy Revisited”
January 22

**Ian Lilley**, Aboriginal and Torres Strait Islander Studies, University of Queensland


January 29

**Dave Schaepe**, Director/Senior Archaeologist Stó:lō Research and Resource Management Centre

“Archaeology and Heritage Landscape Management: Current Cases and Hotspots in BC”

February 5

**Richard Lesure**, Department of Anthropology, University of California, Los Angeles

“Figurine Fashions in Formative Mesoamerica: Indexicality and the Social Interpretation of Style”

February 19

**Peter Johansen**, Department of Anthropology, University of British Columbia

“Investigating the Politics of Prehistoric and Early Historic Settlement and Land-use in South India: the Maski Archaeological Project”

February 26

**Rebecca Bliege Bird**, Department of Anthropology, Stanford University

“The Broad Spectrum Revolution: the Coevolution of People, Fire, and Ecosystems”

March 5

**Jenny Kahn**, Department of Anthropology, College of William & Mary

“Vulnerability and Resilience in Island Ecosystems: A Case Study from Maupiti and Mo’orea (Society Islands, French Polynesia”

March 12

**Grand Chief Edward John (Akile Ch’oh)**, Tl’azt’en Nation, United Nations Permanent Forum on Indigenous Issues

“Heritage and Politics: Sovereignty, Jurisdiction, and the Protection of Indigenous Culture”
March 19

Michael Chazan, Department of Anthropology, University of Toronto

“The Missing Link? An Archaeological Perspective on Homo heidelbergensis”

March 26

Various Grad Students

“5 Minutes, 3 Slides, 1 Question’

April 2

Logan Kistler, Department of Anthropology, Pennsylvania State University

“Why there would be no Pumpkin Pie had Mastodons Survived: Unravelling Domestication and Evolutionary Ecology using Genomics”

Fall 2015

September 10

Dave Burley, Department of Archaeology, SFU

“A History of the SFU Department Archaeology”

September 17

Members of the SFU Department of Archaeology

“What I did in the Field this Summer”

September 24

Kim Plomp, Department of Archaeology, SFU

“Bipedalism and Vertebral Shape”

October 1

Dave Schaepe, Director/Senior Archaeologist Stó:lō Research and Resource Management Centre

“Archaeology as Therapy”

October 8

Natalie Munro, Department of Anthropology, University of Connecticut
“Intensive Hunting and the Emergence of Animal Management in the Southern Levant”

October 15
Christopher Dore, Heritage Business International
“No Money, No Research: Emerging Trends in the Business of Heritage Management”

October 22
Matthew McCarty, Department of Classical, Near Eastern, and Religious Studies, UBC
“Child Sacrifice, Institutions, and the Invention of Africa in the Roman Empire”

October 29
Ben Raffield, Department of Archaeology, SFU
“Evolutionary Approaches to Viking Studies”

November 5
Darlene Weston, Department of Anthropology, UBC
“Life Under Early Colonial Occupation: The Encomienda as Experienced by the People of El Chorro de Maita, Cuba”

November 12
Meghan Burchell, Department of Archaeology, Memorial University of Newfoundland
“Isotope Sclerochronology and Archaeology: Insights into Long-Term Histories of Shellfishing, Seasonality and Settlements in British Columbia”

November 19
Hugo Cardoso, Department of Archaeology, SFU
“The Death of Forensic Anthropology”

November 26
Francesco Berna, Department of Archaeology, SFU
“_Homo sapiens_ and the Upper Palaeolithic at Manot cave, Israel”
December 3

Dennis Sandgathe, Department of Archaeology, SFU
“Old and New Data on the Dating and Context of Four of the La Ferrassie Skeletons”

Spring 2016

January 7

Rudy Reimer, Department of Archaeology, SFU
“Documentary Filmmaking in Archaeology: the Wild Archaeology Experience!”

January 14

Francesco Berna, Department of Archaeology, SFU
“*Homo sapiens* and the Upper Palaeolithic at Manot cave, Israel”

January 21

Alan McMillan, Department of Archaeology, SFU
“Searching for Thunderbird: the Archaeology of Nuu-chah-nulth Whaling”

January 28

Neil Price, Department of Archaeology and Ancient History, Uppsala University
“Pirates of the North Sea? The Viking Ship as Political Space”

February 4

Patrick Dolan, Department of Anthropology, Washington State University-Pullman
“Magnetic Gradient Survey of the Dionisio Point Site, a 1500 year-old Plankhouse Village in the Southern Gulf Islands of British Columbia”

February 25

Natasha Lyons, Department of Anthropology, UBC Okanagan
“An Ontology of the Sq’ewlets Virtual Museum of Canada Website Project”
March 3
**Bill Angelbeck**, Department of Anthropology, Douglas College

“Applying Modes of Production Analysis to non-State, or Anarchic, Societies: Shifting from Historical Epochs to the Seasonal Microscale among the Coast Salish”

March 10
**Kieran McNulty**, Department of Anthropology, University of Minnesota

“Updating the early Miocene: Why “Lumpypithecus” and “Bumpypithecus” can no Longer be Ignored”

March 17
**Adrian Bell**, Department of Anthropology, University of Utah

“The Impact of Migration Strategies on Cultural Evolution”

March 24
**Erin McGuire**, Department of Anthropology, University of Victoria

“Engaging Students through Experimental Archaeology: Learning and Doing in the University Classroom”

March 31
**John Welch**, Department of Archaeology, SFU

“Archaeology 4.0”

April 7
**Pablo Nepomnaschy**, Faculty of Health Sciences, SFU

“Reproductive History and the Pace of Aging in Women”

**Fall 2016**

September 15
**Grad Students** (Organized by Travis Crowell)

“How I Spent my Summer”
September 22

**Ben Raffield**, Department of Archaeology, SFU

“Religion, Cooperation, and Conflict in Viking Age Scandinavia”

September 29

**Dana Lepofsky**, Department of Archaeology, SFU

“Historical Ecology of Cultural Keystone Places of the Northwest Coast”

October 6

**Eric Guiry**, Department of Anthropology, UBC

“An Isotopic Investigation of the Historical Ecology of Lake Ontario’s Lost Salmon”

October 13

**Ross Jamieson**, Department of Archaeology, SFU

“Tokens of Oppression: Coinage at a 19th Century Galapagos Plantation”

October 20

**Neil Price**, Department of Archaeology & Ancient History, Uppsala University

“War of the Worlds: The Present Past on the Island Battlefields of the Pacific, 1941-45”

October 27

**John Welch**, Department of Archaeology, SFU

“Sovereignty-driven Heritage Conservation and Research at Fort Apache, Arizona”

November 3

**Kena Fox-Dobbs**, Geology and Environmental Policy & Decision making, University of Puget Sound

“Small Mammals as Recorders of Local Environmental Conditions in Past and Present Grassland Ecosystems”

November 10

**Morgan Ritchie**, Sts’ailes First Nation

“Archaeological Research and Implications for Contemporary First Nations Heritage Management, Identity, and Governance”
November 17

**Timothy Weaver**, Department of Anthropology, UC Davis

“New Approaches for Understanding Changes in Skull Form throughout Human Evolution”

November 24

**Roy Carlson**, Department of Archaeology, SFU

“The Nubian Paleolithic Visited and Revisited”

December 1

**Sabrina Higgins**, Hellenic Studies, SFU

“Rural Christianity in the Eastern Roman Empire: An Overview of the Excavations at Golemo Gradiste, Konjuh in the former Yugoslav Republic of Macedonia”
Faculty Profiles

Francesco Berna

I am a Geoarchaeologist specializing in the microscopic and mineralogical analysis of archaeological deposits, features and materials. The core of my 2015-2016 research was on the theoretical and archaeological aspects of the use of fire and human evolution. In October 2015 Dennis Sandgathe and I co-hosted the Wenner-Gren Foundation Symposium on Fire and the Genus homo in Sintra, Portugal. We then guest edited and coauthored papers for a special issue of Current Anthropology (V.58; S.16) that will be released in August 2017. In 2015 and 2016 I co-directed the excavation at the Early Stone Age site of Wonderwerk cave in South Africa focusing on the analysis of trace of fire in the Oldowan and Acheulean contexts. I’ve also continued the study of site formation processes at the Upper Paleolithic site of Manot Cave in Israel where one of the earliest fossil of anatomically modern human was found in 2010. I also started collaborations to study lime plaster technology in the Cypriot Bronze age site of Kalavasos-Ayios Dhimitrios 1 and site formation at several pre-contact sites in British Columbia (Calvert Island, Babine Lake, Indian arm and Noons Creek). Being awarded a SSHRC Insight grant and a large donation from the Bertha and Louis Weinstein Research Fund I had the opportunity of sponsoring and involving numerous undergraduate (Matthea Wiebe, Kyle Jung, Paige Tuttosi, Emily Purchell) and graduate students (Meg Thibodeau, Peter Wallace, Lisa Chatwin, Candice Koopowitz) in the field and in the lab. Meg Thibodeau, in particular, developed the protocol to identify single grains of wood ash using Infrared micro-spectroscopy as part of her MA thesis. The Geoarchaeology lab has contributed to several other important issues in Old and New World Archaeology. These include bone preservation and site formation at the Lower Paleolithic sites of Dmanisi (Republic of Georgia) and Florisbad (South Africa); the nature of the evidence of fire at the Early Stone Age site of Koobi Fora, Kenya; the development of Middle Paleolithic/Middle Stone Age in South Africa (Fauresmith level at Wonderwerk cave, Kathu Pan 1, and Bestwood farm); Site formation processes at the Final Pre-Pottery Neolithic site of Beisamoun in the Upper Jordan Valley, as part of the 2015 PhD dissertation thesis work of Harris Greenberg (Boston University, USA); Bone taphonomy in historical context from the City of Milan, Italy as part of the PhD dissertation thesis work of Valentina Caruso (University of Milan, Italy).

Dr. Berna at Babine Lake, BC. Photo by D. Yang.
David Burley

David Burley holding a Taíno zemi (spirit stone) excavated from the door area of a Taíno house, St Ann's Bay, Jamaica.

I first joined the Department in 1985 and have served three terms as Department Chair (2000-2002, 2003-2008, 2013-present). My research interests have been focused on historical archaeology, maritime adaptations and first settlement of the South Pacific, especially Polynesia. Over the past two years, I have carried out three field projects including research on paleo-shorelines in northern Fiji and the Kingdom of Tonga (2015) with geologist William Dickinson (University of Arizona), household excavations at the proto-historic Taíno site of Maima in Jamaica (2015) with SFU Adjunct Professor Robyn Woodward and a survey for and field check of Tongan fortification sites employing LiDAR data with Australian National University archaeologist Geoffrey Clark. I also continue to analyse, curate and publish on previously recovered materials from excavations at Lapita (first colonists) sites on different islands in Tonga, from long-term excavations at the Sigatoka Sand Dunes on the island of Viti Levu in Fiji, and from Sevilla la Nueva, the first Spanish colony in Jamaica (AD 1509-1534). Of my published articles in the past couple of years, a *Plos One* paper on chronological precision for Polynesian settlement is most notable. Employing Uranium Thorium dates on staghorn coral artifacts and a large suite of radiocarbon dates, we have been able to provide generation level chronologies for first Polynesian landfall on the island of Tongatapu and its subsequent spread to the central Tongan Islands of Ha’apai and the northern islands of Vava’u.

Hugo Cardoso

I joined the department in May 2013 as a limited-term Assistant Professor, and in 2014 my position was converted to tenure-track. I am a physical anthropologist with a specialization in human juvenile osteology. My research program, however, has been increasingly focused on studying the interactions between the juvenile human skeleton and its environment, encompassing all biocultural processes and responses in life, death and after death, to better understand and explain past events and change at the individual or population level. This includes clarifying the complex interconnections between, on one hand, culture, identity, nutrition, or socioeconomic status and, on the other, developmental systems, life-history transitions, injury and disease patterns and taphonomic processes inscribed in children’s bones and teeth, recovered from forensic, archaeological or paleontological contexts. Since 2016, my research interests are united under the Juvenile Osteology – JUNO group, and currently I am working on the following broad topics: 1) Environmental factors affecting dental and skeletal growth and juvenile age estimation, 2) Growth, health and disease patterns observed in children from archaeological populations, 3) Diagnosing and
interpreting child trauma from archaeological and forensic contexts, 4) Taphonomy of immature bone. To carried my research program I was awarded in 2015 a one year NSERC Bridging grant, and in 2016 a 5 year NSERC Discovery grant and a 2 year SSHRC Insight Development grant. In 2016 I was also awarded a grant from the SFU VP-Academic to develop an outdoors taphonomy and experimental archaeology facility. Between 2015 and 2016 two of my M.A. students graduated. During that time period I have also provided forensic anthropology consulting services to the British Columbia Coroner’s Service and Yukon Coroner’s Service. I have been offering lab-based field opportunities for archaeology students in Portugal over the summer of 2015 and 2016, where I am currently planning a formal biannual field school.

Hugo Cardoso with a group of SFU archaeology undergraduate and graduate students at the footsteps of the Graça Gothic church in Santarém, Portugal.

Roy Carlson

Served as managing editor of SFU Archaeology Press and worked with Mike Rousseau in organizing and preparing the research monograph, Archaeology of the Lower Fraser Valley, to be published in 2017. Worked with John Welch and the SFU library on the project digitizing all previously published Archaeology Press research monographs. This project will be completed in 2017. Managed the sale of Archaeology Press publications at the B.C. Archaeology Forum and the NW Anthropology convention.

Wrote “The Pender Canal Site and the Beginnings of the Northwest Coast Cultural System” based on archaeological field work I directed in 1983-85, and incorporated marine reservoir corrected C-14 dates and isotopic analyses indicating diet obtained in collaboration with Michael Richards and Paul Spazk. This article is in press in the Canadian Journal of Archaeology Vol. 40, No. 1. 2017.

Wrote “The Coast Salish as Innovators” based on earlier research, and gave a presentation to the Department of Archaeology graduate seminar on this topic. “The Coast Salish as Innovators” is in press as Ch. 20 in Archaeology of the Lower Fraser Valley edited by Mike Rousseau, Archaeology Press, Simon Fraser University 2017.

Roy Carlson

Served as managing editor of SFU Archaeology Press and worked with Mike Rousseau in organizing and preparing the research monograph, Archaeology of the Lower Fraser Valley, to be published in 2017. Worked with John Welch and
Completed the analysis of Paleolithic remains I directed in the Nile Valley in 1965-66, and wrote the monograph *Khor Abu Anga and Magendohli Stone Age Sites on the Sudanese Nile* published by British Archaeological Reports, Oxford, 2015. Presented a seminar on this research to the Department of Archaeology, and a seminar on Paleolithic typology to Barbara Winter’s museology class that is curating the collection.

Wrote “Northwest Coast Figurines and Figural Art” at the invitation of Oxford University Press to be published in 2017 in *the Handbook of Prehistoric Figurines* edited by Tim Insoll.

**Mark Collard**

In the 2015-2016 reporting period I worked in two main areas: 1) the evolution of human anatomy, and 2) the patterns and processes of cultural evolution. In addition, I initiated a number of projects in what is a new research area for me, the Vikings. My work in the latter area was carried out under the aegis of the Cultural Evolution of Religion Consortium (CERC). CERC is funded by a Partnership Grant from the Social Sciences and Humanities Research Council, and involves professors and trainees from several universities, including SFU, UBC, McGill, Aarhus, Connecticut, and Harvard; I am a co-PI on the grant and a member of CERC’s management team. The Viking projects are being carried out in collaboration with Prof. Neil Price and Dr. Ben Raffield. Prof. Price is a faculty member at Uppsala University and an adjunct professor in our department. Dr. Raffield was a postdoctoral researcher with me between January 2015 and December 2016. He is now based at Uppsala, with Prof. Price. In addition to my personal research, I continued to act as the director of the SFU Human Evolutionary Studies Program (HESP). Funded by a grant from SFU’s Community Trust Endowment Fund, HESP is an interdisciplinary research group involving faculty and trainees from five faculties. With regard to outputs, I managed to get 14 peer-reviewed journal articles into print, plus two chapters in edited volumes and three comment pieces in *Proceedings of the National Academy of Sciences USA*. A number of the papers received substantial coverage in the media. Most notably, a paper on the evolutionary origins of back pain went viral. It was covered in over 300 media outlets and ended up being one of the top ten most popular papers published by *BMC Evolutionary Biology* in 2015 ([http://blogs.biomedcentral.com/bmcseriesblog/2015/12/29/10-popular-articles-2015-bmc-evolutionary-biology/](http://blogs.biomedcentral.com/bmcseriesblog/2015/12/29/10-popular-articles-2015-bmc-evolutionary-biology/)).

**Catherine D’Andrea**

The Eastern Tigrai Archaeological Project (ETAP) continued field-based investigations in northern Ethiopia in 2015-16. ETAP includes participants from Canada, Ethiopia, USA, and Italy. SFU team members include Shannon Wood, Habtamu Mekonnen, Elizabeth Peterson, Barbara Winter, Zoe Walder-Hodge, Laurie Nixon-Darcus, Brock Wiederick and Adjunct Professor Alemseged Beldados (Addis Ababa University). Our previous work examined the dynamics of early state formation during the Pre-Aksumite period (>800-400 BCE), but we have shifted attention to the transition from the Pre-Aksumite to the Aksumite kingdom (400 BCE-CE 700). Excavations have
continued at Ona Adi where our objectives are to: examine the role of indigenous and exogenous elements in cultural developments; document internal political and economic organisation; and study ancient trade/exchange patterns through the analysis of ceramic and obsidian artefacts.

Ona Adi excavations in 2015 continued to be successful in uncovering deposits relating to the Pre-Aksumite to Aksumite transition. This is a unique feature of the site which is providing fine-grained data relating to this poorly-understood transition in the Horn of Africa. Our research took a new direction in 2015 with our collaboration with a team of American, Ethiopian and British palaeoenvironmental scientists (Valery Terwilliger, Zewdu Eshetu, Mitchell Power, Paul Adderley, Marilyn Fogel) (Fig.1). Early positive results led to a successful application for a SSHRC Partnership Development grant on the Historical Ecology and Early Social Complexity in the Horn of Africa. In this project we are operating within a framework of historical ecology, integrating scientific (archaeology, palaeoenvironment) and traditional knowledge (farmer adaptations to environmental change) to understand human-environmental interactions during the emergence and later developments of late prehistoric polities in the Horn.

Figure 1. Deep gully profile sampled for palaeoenvironmental studies and analysed by a field Optically Stimulated Luminescence reader to assess soil depositional sequence. Near Ona Adi, Ethiopia.

Figure 2. Conservation of Ona Adi objects by ETAP conservator Christie Pohl, assisted by Laurie Nixon-Darcus. Foreground: reconstructed blue glazed jar from Sasanian Persia (CE 3rd-4th century).

During the 2016 season ETAP team members developed and installed six museum exhibits, in collaboration with Barbara Winter (SFU Museum of Archaeology) who was assisted by Elizabeth Peterson, Habtamu Mekonnen, Laurie Nixon-Darcus and Jaclyn McLeod. Christie Pohl, a conservator with the Boston Museum of Fine Art, joined us in Adigrat to prepare objects for display.
(Fig. 2) along with our collaborator Hewan Ayana (Adigrat University). Our intention was to create exhibits not only to promote tourism, but to encourage public education and attract school groups. To this end, each exhibit was presented in three languages (Tigrinya, Amharic and English) and we incorporated the story of Queen Makeda (Queen of Sheba) who figures prominently in the oral history of the region (Fig. 3).

Palaeoethnobotanical research continued in 2015-16 in with the publication of a study on the Later Stone Age site of Bosumpra, Ghana, in collaboration with Dr. Derek Watson (Forest Occupations Project, Ghana). Bosumpra excavations resulted in an incredible 10,000 year record of plant use for tropical West Africa. Our work in West Africa continues with Richard Chia who joined our Ph.D. program in 2016 and plans to undertake archaeobotanical studies in the Benue Valley, Nigeria. Archaeobotanical research in Turkey (in collaboration with Timothy Harrison, University of Toronto and Doga Karakaya, Tübingen University) continued with laboratory analysis of macrobotanical remains from Early Bronze to Iron Age contexts at Tel Tayinat, Turkey.

In the Media

2016. Interviewed by Bob McDonald on Quirks and Quarks, CBC Radio on early chicken remains from the Mezber site, Ethiopia
http://www.cbc.ca/radio/quirks/quirks-quarks-november-12-2016-1.3845355/chicken-bone-discovery-reveals-a-rich-backstory-1.3845435

2016. Interviewed by Global BCTV on ETAP museum project in Adigrat, northern Ethiopia.


2015. Interviewed by EBS, EBC (Ethiopian Broadcasting Corporation) and several regional television and radio organizations as a news story on Adigrat City International Archaeological Workshop and Meskel celebrations.

Jonathan Driver

My time in 2015 and 2016 was dominated by my final two years service as SFU’s Vice-President Academic and Provost. During this time some earlier research on three sites in the American Southwest was published. The reports on Shields Pueblo and Albert Porter Pueblo completed my long and active association with Crow Canyon Archaeological Center in Colorado, where I continue to serve as a research associate. Analysis of a large faunal assemblage from Pueblo Bonito in the World Heritage site of Chaco Canyon, New Mexico, was also published. The Southwestern...
works were co-authored with former graduate students Tiffany Rawlings, Shaw Badenhorst and David Maxwell.

Jonathan Driver

A number of interesting developments took place on materials excavated many years ago at Tse’K’wa (Charlie Lake Cave) in northeastern BC. The late Pleistocene fauna continues to inform research on ancient environments, with new data on aDNA and radiocarbon dates from bison bone featuring in a multi-authored paper on the ice-free corridor. Working with Mariele Guerrero, an undergraduate student from SFU’s School of Communication, most of the earlier publications from Tse’K’wa have been reproduced in print and online in a format that makes them more accessible to non-archaeologists. Hard copies of this work have been distributed to First Nations communities and schools in the Peace River region, and the work is also available online through the SFU Library’s research repository. If you would like a hard copy, please contact me.

I have continued to serve as the president of the Western Canadian Universities Marine Sciences Society that runs the Bamfield Marine Sciences Centre. We were very pleased to receive $1.5 million from the federal government’s Post-Secondary Institutions Strategic Infrastructure Fund, with matching funds totaling another $1.5 million from our five partner universities: Calgary, Alberta, Victoria, UBC and SFU.

Biruté Galdikas

Dr. Biruté Mary Galdikas has been called one of the world’s leading conservationists and the world’s foremost authority on orangutans. She has been studying wild orangutans for over 45 years at her Camp Leakey study area in Tanjung Puting National Park, Kalimantan Tengah, Indonesia. With the exception of Jane Goodall’s work, Dr.
Galdikas’ research is the longest continuous study of any single wild mammal population undertaken by a principal investigator. She is the founder and President of Orangutan Foundation International (OFI), a non-profit originally established in the US with sister organizations in Canada, Europe, Indonesia, and Australia. Dr. Galdikas and OFI are fighting the threat of orangutan extinction which is mainly due to the destruction of tropical rainforests, the orangutan’s only habitat. OFI runs numerous conservation and orangutan welfare programs in Kalimantan, including purchasing and protecting tracts of forest land, patrolling national parks and other conservation areas, promoting sustainable eco-tourism, and providing education initiatives to local people and training plantation workers to implement a “zero-tolerance” policy on killing, harming, and capturing endangered species. OFI also runs a Care Center and Quarantine (OCCQ) that takes in orphaned orangutans and rehabilitates them for release back into the wild, providing them with medical care, support, and nurture. Currently, the OCCQ houses 320 orphan orangutans. Dr. Galdikas has won numerous awards and prizes for her scientific and conservation work including the prestigious Tyler Prize, Officer of the Order of Canada, and Chico Mendes Award from the Sierra Club, as well as the Indonesian Kalpataru Award. Dr. Galdikas leads OFI’s work and spends up to half the year in Kalimantan at the OCCQ and Camp Leakey in addition to her teaching duties at SFU where she has taught one semester a year since 1981.

**Ross Jamieson**

In 2015/2016 I continued my involvement in a team led by Peter Stahl at the University of Victoria, under a SSHRC Community Partnership Development Grant for a three-year study of the historical ecology of the Galapagos Islands. This partnership, between the University of Victoria, SFU, and the Universidad San Francisco in Quito, Ecuador, is a study of the history and ecological impact of a 19th century plantation that covered a large portion of the Island of San Cristóbal in the Galapagos. The plantation was run partially with prison labourers brought over from the mainland, and was an integral part of Ecuador’s efforts to exert sovereignty over the islands in the 19th century. As a co-investigator on the project, I am providing expertise in historical archaeology, while Fernando Astudillo, my PhD student, is looking at macrobotanical and phytolith materials from the plantation. In the summer of 2015 we undertook survey, mapping, and excavation of a wide variety of remains associated with the plantation, including a rich midden of 19th century trash from the core of the operation. In summer 2016 I spent a month at the Galapagos Science Centre on San Cristóbal Island, analysing the material culture recovered the previous year.
In 2015 I created a new undergraduate course, “Age of the Anthropocene,” in our department, exploring the relationship between humans and the natural world over the last 500 years using archaeological methods.

I was very pleased that my PhD student, Jennifer Jones, graduated in 2016, with a dissertation on the archaeology of tourism at Port Arthur in Tasmania, and now has a full-time position in heritage management in Australia.

Dana Lepofsky

Dana Lepofsky standing on a clam garden in Quardra Island. This garden was created on a bedrock sill. Building the rock wall in this spot created clam habitat where there was none prior.

Over the last two years, I have shifted my research focus slightly from looking at cultural keystone species (herring, clams) up and down the coast, to looking at specific cultural keystone places (CKP). In particular, my work is focused on the settlements of Hauyat, Laxgalts’ap, and Dalk Gyulakyaw — CKPs of the Heitlsuk, Gitga’ata, and Gitsm’geelm, respectively. Guided by our research partners in each of these communities, we are gathering the history of these places as recorded in place names, oral traditions, archaeology, ecology, and memories. In these projects, we bring together the tools of western science with traditional knowledge to create a fuller picture of the past and to situate this understanding in current social and ecological contexts. Each of these projects will result in an interactive touch screen/web site that layers these data and knowledge in accessible and informative ways.

Andrea Walkus Vickers and Dana Lepofsky in Hauyat - a cultural keystone place of the Heitsuk in central coastal BC.

Robert J. Muir

Since 2012 I have been working with the Tsleil-Waututh Nation (North Vancouver), conducting archaeological site inventory of their traditional territory. In 2015, I directed archaeological investigations of several sites in Port Moody. The fieldwork was co-directed by Dr Jesse Morin, archaeologist for the Tsleil-Waututh Nation. This project was run as part of our annual archaeological field school and conducted with the permission and support of the City of Port Moody. Notable discoveries resulting from our work included the identification of a 2200 year old stone slab hearth and associated housefloor near the mouth of Noons Creek as well as the identification of several previously unrecorded sites along the south and north shores of Port Moody Harbour.
Also in 2015 I began work with the K'omoks Nation on Vancouver Island. This included background research, fieldwork and other preparations for the 2016 summer field school project, which I (again) co-directed with Dr. Jesse Morin. The primary research component of this program focused on excavations of an ancient village site at the mouth of the Puntledge River, in Courtenay British Columbia. Research at this site is ongoing and results are preliminary but our discovery a number of rare artifact types have already garnered great interest from the archaeological community and the general public. In particular, discovery of numerous pebbles and small cobbles incised with intricate designs and symbols attracted considerable local and international media attention. These artifacts are the focus of a research poster prepared by myself, Jesse Morin, and several field school participants, for the upcoming 2017 Society for American Archaeology Conference in Vancouver.

George Nicholas

My research spans three different but intersecting realms of anthropological archaeology and cultural heritage: participation in, and study of community based heritage research, particularly what has become known as Indigenous archaeology; academic and community-based research and practice oriented to the intangible aspects of heritage around the world; and wetland-based archaeology focusing on prehistoric human ecology.

I continue to pursue a long-term research agenda that explores hunter-gatherer land use associated
with wetland-rich settings around the world, extending back to the later Pleistocene period. This work is contributing to a fuller understanding of the range of lifeways associated with small-scale societies in resource-rich environments. Within British Columbia, I have been analyzing survey and excavation data from a number of early and middle Holocene-aged sites on the Kamloops Indian Reserve to study human responses to environmental change.

That work stems from my long-term commitment to working with the Kamloops Indian Band and with other Indigenous groups in Canada and beyond to ensure that archaeology is both accessible and beneficial to them. This is a topic I continue to explore and publish extensively on, in addition to such related topics as degree of congruence between Traditional Knowledge and archaeology. At a more meta-analytical level, I analyze archaeological theory, both in the classroom and beyond, as a means to better understand what we do and why, and also to understand why heritage preservation doesn’t always work as expected. I am also involved with efforts to improve the policies of both universities and national funding agencies regarding research involving Indigenous peoples.

From 2008 to 2016, I directed the Intellectual Properties Issues in Cultural Heritage (IPinCH) research project, a $2.5 million, seven-year SSHRC Major Collaborative Research Initiative that explores and facilitate fair and equitable exchanges of knowledge relating to archaeology and heritage. This investigation of the intangible and tangible aspects of cultural heritage, and their implications for local and global interpretations of culture, rights, and knowledge, is being undertaken by an international, interdisciplinary collaboration involving more than 50 scholars, 25 partnering organizations, 100 Associate members, and 40 students.

I am continuing to evaluate, analyze and write about the information gleaned and lessons learned through the IPinCH project, especially as regarding repatriation of tangible and intangible heritage, bioarchaeology and genetics, social justice, cultural appropriation, ethics, and community-oriented research practices. Since 2016, I have been the Chair of the Society for American Archaeology’s Committee on Native American Relations, as well as Chair of the SFU Archaeology Department’s Repatriation Committee.

In 2015 I organized and hosted two special events: The SFU President’s Dream Colloquium Award for “Protecting Indigenous Cultural Heritage: Emergent Policy and Practice,” which brought to SFU six internationally renowned scholars; and “DNA and Indigeneity: Exploring the (Re)-Construction of Identity at the Interface of Biology and Culture,” which was a public symposium and workshop.

Rudy Reimer/Yumks

I am an Indigenous Archaeologist from Skwxwu7mesh Uxwumixw (Squamish Nation) who implements Indigenous perspectives of places, artifacts, lithic sources, plants and animals into my

George Nicholas
research. When working with First Nations communities, my research focuses on the issues that leadership and knowledgeable community members express. From this, mutual research designs and projects proceed in a symbiotic fashion. My research focus is in Indigenous Archaeology as it interrelates with archaeological science. This culturally informed approach is both self-reflexive and seeks to return cognitive geography/sense of place and being to people in the Squamish Nation and other First Nations communities. I use oral history and traditions that link people to places and through fieldwork and analysis to gain understanding of the modern and ancient worlds. I link this research with a technique called X-ray Fluorescence (XRF) that gives an elemental fingerprint of almost any material placed in front of it. Examination of numerous items and sites allows for both unifying cultural and scientific knowledge and making comparisons.

I also implement my research in teaching in the Archaeology and First Nations Studies Departments. In my courses, I blend perspectives of western academic scholars and compare them to my own and other Indigenous researchers. I do this using examples and exercises to promote an Indigenous worldview. I have done this most recently with a 13-episode series on Aboriginal Peoples Television Network (APTN) titled Wild Archaeology. My research projects practice minimal impact on the sites I chose to work on and I prefer to use of existing excavation/museum collections. I also push for the integration of Cultural Resource Management (CRM) data into the academic understanding of these areas and the standards of practice related to data recovery and analysis. Within these standards of inquiry, I also focus on possible explanations of intangible or seemingly unexplainable phenomena including rock art, beings only known by First Nations peoples, and landscape features that often lay outside standard archaeological explanations. Along this line of inquiry, I sit on the UNESCO advisory board for National Geoparks for Indigenous input to potential park applications in Canada.

Wild Archaeology
Weblinks
SFU Archaeology XRF Lab
https://www.sfu.ca/archaeology/faculty/reimer/XRF_laboratory.html
Wild Archaeology
http://aptn.ca/wildarchaeology/
Mike Richards

Richards arrived at SFU in mid 2016, and has started a number of research programs. These involve the isotope analysis of humans and animals from archaeological sites to determine past diets and migrations. As part of this, new equipment has been purchased for the existing archaeological chemistry lab, and a CFI application has been out in to purchase two isotope ratio mass spectrometers. These projects are funded through SSHRC and NSERC grants.

Dennis Sandgathe

The 2015-2016 period has been a very productive period for me. As the summer of 2014 was my final season digging at the site of La Ferrassie, 2015 and 2016 were the first seasons in many years that I was not directing excavations. However, I did spend these seasons studying collections and writing articles with my colleagues in France. The result was that 2016 was one of my most productive years for publications. These papers resulted from ongoing collaboration with American and French friends and colleagues and members of our own department. This work has also benefitted from significant input from graduate students here at SFU and at American and French universities. Over the course of 2015-2016 I also peer-reviewed seven journal articles and five grant applications.

My general research continues to be on Palaeolithic adaptations. Over the past several years the focus has been on the interpretation of stone tool variability, the dating of important Middle Paleolithic sites in France, the evidence for Neanderthals practicing intentional burial, and the role of fire and clothing in Neanderthal adaptations.
Analyzing stone tools with Harold Dibble (University of Pennsylvania) at the Musée Nationale de Préhistoire in SW France. Summer 2016.

In the fall of 2015, Francesco Berna and I co-organized a Wenner-Gren sponsored symposium (held at a fantastic Palace in Portugal!) called Fire and the Genus Homo. We brought together 17 of the top current researchers on Palaeolithic fire to discuss this topic. This included some prominent names in Palaeanthropology and Palaeolithic Archaeology. Francesco and I have just finished editing the papers produced for the symposium - these will be published in a special edition of Current Anthropology in the summer of 2017.

In 2015-16 my research was presented at the 2015 Society for American Archaeology in San Francisco and the 2016 Society for European Human Evolution in Madrid. I gave several presentations outside of conference venues as well. While in Portugal in the fall of 2015, I was invited to give a talk to the Association of Portuguese Archaeologists (inside a Medieval convent) on the Neanderthal burial debate. I gave a similar talk to the Department of Anthropology at U of California, Davis and to our own department in 2016.

I have continued to regularly teach Human Origins; Ancient Peoples and Places; and Neanderthals. I have also been supervising several undergraduate students doing their BA honours and I serve on the supervisory committees of a number of graduate students at SFU and several American Universities.

John Welch

John Welch (left) with Edgar Perry (right).
Welch dedicated the majority of his schedule to planning and implementing the new Professional Graduate Program in HRM. The effort entailed the creation, with Michael Klassen (SFU PhD 2013), of ARCH 531 HRM Law & Policy and overall supervision of curriculum and Program development. Welch also created and launched, in Fall 2016, ARCH 235 Cultural Heritage Management, an addition to the CRM Certificate requirements intended to situate CRM archaeology as part of the rapidly unfolding global effort to identify and conserve highly valued heritage objects, places, and traditions. Welch celebrated the publication of Dispatches from the Fort Apache Scout: White Mountain and Cibecue Apache History Through 1881 (University of Arizona Press, 2016), a book comprised of newspaper articles from the 1970s on the earliest relations between Apaches and European Americans (see photo of Welch with Edgar Perry, the last-surviving article author).

Dongya Yang

In 2015 and 2016, I continued to focus my research on ancient DNA analysis of archaeological faunal remains to use DNA-based genetic information to address archaeological questions. DNA-based species identification has become one of routine practices in my lab, which provides not only accurate species ID for faunal remains but also a solid foundation for population genetic studies of faunal species. Population fluctuations of faunal species over time can be linked to social developments and subsistence practices, enhancing our ability to investigate dual interactions between humans and faunal species in the past.

Gregg Henry, Cibecue Apache trails expert.

Welch also continued longstanding research and heritage conservation partnerships with the White Mountain and San Carlos Apache tribes, including fieldwork to identify and document Apache trails and conflict sites funded by the Arizona Archaeological and Historic Society and a SSHRC Small Institutional grant (see photo of Gregg Henry, Cibecue Apache trails expert).

Dongya Yang working in the DNA lab.

While my lab group has research interests in other parts of the world, my own geographic focus has gradually shifted to the Northwest Coast of North America and China. Through close collaborations with many colleagues, we have carried out projects involved whale, rockfish, salmon, herring and seals from Oregon, Washington, BC to Alaska. My
ancient DNA work in China has studied many early domesticated animals such as cattle and horses, and the research is mainly carried out through collaborations with Dr. X. Zhao of the Ancient DNA Laboratory at the Institute of Archaeology, CASS in Beijing and Dr. D. Cai of Ancient DNA Laboratory at Jilin University.

I have still kept a small but active research group in human osteoarcheology of human remains in China, which was conducted mainly through graduate student work. In 2015, Evan Hardy completed his MA thesis and in 2016, Grace Zhang completed her Ph.D. thesis, both have since worked on publishing their thesis work for journal articles.

Besides Hardy and Zhang, in 2015 and 2016, three other graduate students, Cara Halseth, Melissa Roth and Kelly Brown also completed their degree in ancient DNA. By the end of 2016, I had three ongoing Ph.D. students.
Mana Dembo

I am currently a postdoctoral research fellow funded by SSHRC’s postdoctoral fellowship supervised by Prof. Mark Collard from the Department of Archaeology and Prof. Arne Mooers from the Department of Biological Sciences. I started this position in July 2016 after completing my Ph.D. degree in the department in June 2016.

My postdoctoral research is an extension of my doctoral research that focused on improving the methods used to study phylogenetic relationships of fossil hominins. As part of my postdoctoral research, I am working to expand and improve the hominin datasets used in phylogenetic analyses. In addition, I have recently started a new collaborative project with computational scientists and evolutionary biologists from New Zealand, Australia, and Switzerland to implement new morphological models in Bayesian phylogenetic inference methods.

Since 2013, I have been involved in the Rising Star project in which we conducted the initial description and analyses of a new hominin species called *Homo naledi*. During the years 2015-2016, I coauthored various publications on the fossil material that came into print including the announcement of the new species in *eLife* (Berger et al., 2015) and several studies on the cranial morphology of *H. naledi* in *Journal of Human Evolution* (Dembo et al., 2016; Schroeder et al., in press; Laird et al., in press).

Vance Hutchinson

I have now completed my one-year term as a postdoctoral research assistant with Prof. Mark Collard. Prof. Collard and I used 3D geometric morphometric techniques to compare femur shape among Neanderthals and various modern human groups. Our results indicate that both Neanderthals and Paleolithic humans are significantly more robust that recent humans. These shape differences
are likely the result of different levels of biomechanical loading on the skeleton which in turn suggests that significant behavioural changes occurred after the Palaeolithic near the beginning of the Holocene. This paper has been submitted to the Journal of Human Evolution and is currently under review.

During my time with Prof. Collard, I also completed a detailed annotated bibliography related to current issues in the peopling of the Americas and the Ice-Free corridor. In addition, I proposed a novel research project to improve methods for documenting and interpreting musculoskeletal markers of activity in human skeletons and submitted a grant application to SSHRC seeking funding. This application garnered very positive reviews but was ultimately unsuccessful.

I am grateful to Prof. Collard, the Human Evolutionary Studies Program and the Department of Archaeology at Simon Fraser University for this successful opportunity.

David Maxwell

2015-16 has seen a very busy teaching schedule for me. During this time, I have developed 3 new courses (ARCH 226-3, ARCH 321-3, and ARCH-561-5), and taught a total of 8 courses at SFU. ARCH 226-3, the Prehistory of Religion (Shamans, Sorcerers, and Saints), is a re-envisioning of an existing course that has not been taught in several years. It is scheduled to be offered for the first time in May 2017, using both in-person and online (CODE) deliveries. The online delivery will be offered every semester thereafter, at least for the foreseeable future.

ARCH 321-3, a Special Topics in World Archaeology offering, was Maya Archaeology, and was delivered during Fall 2016. This advanced undergraduate course covered a broad range of topics relating to Maya archaeology, and the archaeology of complex societies in general. 20 students participated, to generally very positive reviews.

ARCH 561-5, Research Design in Archaeology, is a new course that functions as a portion of the online Master’s Degree in Heritage Resource Management. The course generally breaks down into a section on quantitative analysis, a section on research questions and hypothesis testing, and a section comparing heritage resource management to academic archaeology. The first course offering is in progress this semester (Spring 2017), and by its conclusion, students will have written 1-2 chapters of their master’s thesis.

During these past 2 years, I have also taught 5 sections of ARCH 100-3 (Ancient Peoples and
Places), along with single sections of ARCH 201-4 (Introduction to Archaeology), and ARCH 273-4 (Archaeology of the New World).

Although the bulk of my time during this period has been spent in teaching and developing courses, I have been involved in 3 different research projects, all in the role of faunal analysis. The first is the analysis of faunal remains from Calvert Island (EjTa-4), in conjunction with the University of Northern British Columbia. The second was the analysis of faunal remains from the Penticton area of British Columbia for Antiquus Research in Maple Ridge. The third was the analysis of faunal and human remains from Crescent Beach for Arrowstone Archaeology in Port Moody. All were small projects, and none has yet resulted in a publication.

Deborah C. Merrett

The emphasis of my research is on the estimation of health in past human societies at the population level with a focus on two geographic regions of the world: Near East and northeastern China. For the Near East: tooth crowns of infants from one Neolithic and one Chalcolithic site in Iran have been embedded for analysis of the enamel microstructure and estimation of chronological age-at-death. Not only will this allow for age estimation but will also facilitate inter-site comparisons of the population health from the two ancient human skeletal samples.

Macroscopic analysis of skeletal material from Bouqras Syria has been published in a conference volume (Merrett and Meiklejohn, 2015).

Bone and tooth samples from both of the above sites have been taken to University College Dublin (UCD) for aDNA analysis in the lab of Dr. Ron Pinhasi. The aDNA analysis using Next Generation Sequencing in the laboratory of Dr. David Reich at Harvard is part of an ongoing study of genomes of Neolithic peoples across the Near East and Europe. This has resulted in the publication of two papers in 2016: Lazaridis et al. (2016) and Gallego-Llorente et al. (2016) (Fig. 1) and third paper more recent paper: Meiklejohn et al. (2017). An additional paper on burial practices in the Central Zagros is in preparation with additional samples to be sent to Dr. Ron Pinhasi at UCD.

The stable isotope analyses are beginning in the laboratory of Mike Richards on human and faunal material from Iran. This will give detailed data of diet through childhood and into adulthood and provide insight into the lifeways of Neolithic people in the high Zagros Mountains of Iran early in the transition from hunting and gathering to sedentary pastoralism.

My research in China is as a collaborator in a multidisciplinary SSHRCC-funded project with principal investigator Dr. Dongya Yang of the

GD13A skeletal remains. A) Medio-inferior view of Piece of the petrous section portion of the temporal bone that was used for DNA extraction. B) Posterior view of Recomposed reconstructed skull of the GD13a individual showing cranial deformation.

health of Chinese populations across the subsistence transition from hunting/gathering to agriculture and through the development of civilization in northern China. Although this grant is officially finished, many projects are ongoing. The results of linear enamel hypoplasia (LEH) analysis in the people of the Houtaumuga site has been published in Quaternary International (Merrett et al., 2016). The companion paper of the oral health of people from the same site has also been published (Zhang et al., 2016a). An additional paper on Chinese skeletal
material has also been published as part of Dr. Hua Zhang’s PhD (Zhang et al., 2016b).

I have continued my work as a forensic consultant being an expert witness at a criminal trial in 2015 for the Manitoba Crown Prosecutors’ Office.

**Kimberly Plomp**

From January 2015 to April 2016, I worked as a Research Assistant for Professor Mark Collard with the Human Evolutionary Studies Program. I also held a sessional teaching position in the Department of Archaeology at Simon Fraser University. In November 2015, I was awarded a Wenner-Gren Research Grant and used this award to complete data collection for my ongoing project on vertebral shape and human evolution. I spent January 2016 to April 2016 traveling to complete this data collection.

A manuscript on my research investigating how evolutionary adaptations relate to bipedalism and human spinal health was published in BMC Evolutionary Biology in April of 2015. This paper received a substantial amount of interest, with media coverage in 16 countries and 10 languages, including two appearances by myself on Global BC. This paper was rated as the third most popular paper in the journal for 2015. In addition, two papers, one from my MSc work (International Journal of Palaeopathology) and one from my PhD research (American Journal of Physical Anthropology), were published in early 2015. I also have a chapter in press entitled Bioarchaeology of Back Pain in the upcoming volume, “Bioarchaeology of Impairment and Disability: Theoretical, Ethnohistorical, and Methodological Perspectives”. Furthermore, I have presented my research at the 2015 American Association of Physical Anthropologists and Canadian Association of Physical Anthropology annual meetings.

In September of 2016, I applied for a Marie Curie Fellowship with Professor Mark Collard of SFU, Professor Keith Dobney of the University of Liverpool, and Professor Neil Price of the University of Uppsala. This application was successful and the project will begin in August 2017.

**Ben Raffield**

In 2015-16, I continued my research on the Viking Age in collaboration with Professors Mark Collard and Neil Price (Uppsala University). Building on our work that began in 2014, we developed a number of studies that harnessed evolutionary theory as a means to examine various aspects of Viking-Age society. This has resulted in a number of published and forthcoming articles. These include a study, currently in press in the journal Evolution and Human Behavior, which examined the possible motivations behind the initial Viking raids of the late-8th century. In another, published last year in World Archaeology, we used theory from evolutionary anthropology and psychology to examine how Viking warbands created tight-knit ingroup identities, which served to bind groups together and contribute to their success in conflict. Two further studies are currently under review for
inclusion in Viking and Medieval Scandinavia and Religion, Brain and Behavior. In addition to producing these collaborative works, I continued pursuing my own longstanding interests in Viking-Age conflict and military organization. 2016 saw the publication of an article in Early Medieval Europe that focused on the 9th century Viking Great Army, and another article is currently under review for publication in Current Anthropology.

Ben Raffield

Alongside my research, I have been lucky enough to present papers at a number of conferences and seminars, and to engage with the public by contributing to a television documentary series, entitled Real Vikings, for the History Channel. In the fall of 2016, I was also given the opportunity to design and teach a level 200 course on the Vikings here at SFU – an experience that I thoroughly enjoyed.

With my contract at SFU ending in December 2016, I have recently taken up a research position at Uppsala University, Sweden. I am extremely grateful to have had the chance to meet and work with so many fantastic people at SFU, and I look forward to continuing to work closely with the department in the future.

Valentino Savo

My postdoctoral experience at Simon Fraser University has lasted almost four years and I will always treasure the memories, the friendships and knowledge that I have accumulated during that time. From 2012 to 2015 I worked on a project aimed at exploring First Nations Observations of and Adaptations to Climate Change in Central British Columbia, under the direction of Dana Lepofsky. This research was funded initially by DFAIT (Government of Canada) and subsequently by the Hakai Institute.

Robert Johnson (Heiltsuk member), Nick Hedley (SFU) and Valentina Savo (SFU), during a survey for our project.

I am currently working on two papers documenting Heiltsuk observations of natural resources in relation to climate change, but also information on strategies to cope with these changes. While working at the local level with the Heiltsuk community, I also completed an extensive review (~ 1000 sources) of grey and peer reviewed sources documenting how climate change is affecting subsistence oriented communities. The data
compiled through this review have been analyzed and compared with instrumental climate data. The results of these analyses have been published in highly ranked journal such as Nature Climate Change and Fish and Fisheries, while other publications are in press or in preparation. This global research has received attention from the media (i.e., Vancouver Sun, Daily Mail, The Globe and Mail, Yale Climate Connections) and from other scholars (i.e., I have been invited as a speaker at conferences of the American Geophysical Union and of the Botanical Society of America) and from governmental agencies (i.e., EU Global Climate Change Alliance). In 2015 and 2016, Drs Dana Lepofsky and Nick Hedley, and I partnered with the Heiltsuk Nation on a project aimed at assessing the vulnerability of this coastal community to climate change impacts, combing ethnographic data and 3D visualizations of sea level rise. In the last two years, I have also expanded my collaborations joining the Resilience Alliance as a Young Scholar and the IUCN Cultural Practices Working Group. I have also produced several collaborative papers with other scholars from Europe, Asia and North America.

Hua (Grace) Zhang

My research has been focused on the analysis of human skeletal remains to better understand human adaptation and lifeways in Bronze Age North China. My Ph.D. dissertation (defended in May 2016) was the first study to systematically explore the health of Chinese populations across the subsistence transition from hunting/gathering to agriculture and the impact of early urbanization on human health in the Late Shang China (ca. 1250 B.C. – 1046 B.C.). This dissertation research has provided new regional perspectives for bioarchaeological studies of subsistence practice and social dynamics of the past, and it has also demonstrated when positioned within rich archaeological contexts, human remains can provide unique insight to enhance our ability to study human environment interactions of the past. Three papers have been published. After the graduation, I kept working with Dr. Dongya Yang as a postdoc/research associate in his SSHRC-funded projects, an additional paper, “Osteoarthritis, Labour Division and Occupational Specialization of the Late Shang China – Insights from Yinxu (ca. 1250 – 1046 B.C.)”, has been revised and submitted to PLoS One.
Faculty Grants

Francesco Berna

2015/20 "The evolution of the use of fire from the Oldowan to the late Stone Age at Wonderwerk Cave, South Africa";
PI: F. Berna, Dept. of Archaeology, SFU, Burnaby BC, Canada
Sponsoring Institution: SSHRC
Division: Insight
Grant Duration: 5 years; Amount: $169,854

2015/19 "Early Hominin Innovation and Technological Change: Investigations in the Northern Cape Province, South Africa"; Co-PI: F. Berna, Dept. of Archaeology, SFU, Burnaby BC, Canada
SSHRC, Insight Grant. $238,000

2013/15 "Testing the Evidence for Controlled Use of Fire in Homo erectus sites in Africa, East Asia, and Europe"; PI: F. Berna, Dept. of Archaeology, SFU, Burnaby BC, Canada
SSHRC, Insight Development. $72,000

David Burley

2015 SSHRC/SFU Small Projects Grant – Recording and Excavations at Maima, a Proto-historic Taíno village in Jamaica - $4802.00


2015 Faculty of Environment Chairs Grant - $8000.00

2016 Faculty of Environment Chairs Grant 2016 - $8000.00

2016/20 Australian Research Council Grant – (2016-2020) Warfare and the Archaic State in Oceania $467,997 AUD (Partner Investigator)

Hugo Cardoso

2016/18 “Biological expressions of childhood social realities in the past from the study of juvenile skeletal remains” (Co-applicants L. Harrington and E. Holland).
Social Sciences and Humanities Research Council of Canada (SSHRC) – Insight Development Grant (IDG). $71,343.

2016/21 “Developmental trajectories, traumatic injuries and decompositional histories of the juvenile human skeleton”. Natural Sciences and Engineering Research Council (NSERC) - Discovery research grant (DG). $160,000.

2015/16 Natural Sciences and Engineering Research Council (NSERC) - VPR Bridging Grant, Simon Fraser University. $18,150.

2015 “Developing and testing up-to-date forensic methods for age estimation of infant and child skeletal remains from measurements of the postcranial skeleton”. Social Sciences and Humanities Research Council of Canada (SSHRC) - SSHRC small grant award, Simon Fraser University. $6,939.

2016 “Bases ontogenéticas y morfo-funcionales en la evolución diferencial de sistemas craneales y post-craneales en Homininos del Pleistoceno”. Consejo Superior de Investigaciones Científicas (CSIC - Spain). PI: Dr. Antonio Rosas (Museo
Mark Collard


2016 SFU International Engagement Fund grant to support a project called “Exploring a collaborative partnership with the University of Liverpool (UK) for archaeological research and student exchange.” Co-PI. Principle Investigator Dr. Michael Richards (SFU Archaeology). $5,000.


Catherine D’Andrea


2011/16 D’Andrea, A.C. Co-Investigator, SSHRC Partnership Grant 2011—

2016 (SFU portion $80,000). Computational Research on the Ancient Near East. Timothy Harrison, University of Toronto, Principal Investigator (total award $1.9 million)

Mana Dembo

2016/18 SSHRC postdoctoral fellowship

Ross Jamieson

2013/16 Co-investigator, SSHRC Partnership Development Grant (SFU/UVIC/USFQ) - “Historical Ecology and Archaeology of the Galapagos Islands” ($197,000).


Dana Lepofsky


2016/19 SSHRC $231,600. Historical ecology of cultural keystone places on the Northwest Coast (with Nancy Turner).

2015/16 National Geographic Genographic Legacy Fund. $25,000. “From Mountaintop to Ocean Floor: An Interactive Website Highlighting the Eco-cultural History of Hayaut in Heiltsuk Traditional Territory, British Columbia.” (with Jennifer Carpenter and Nancy Turner).

**George Nicholas**

2015 SFU President’s Dream Colloquium Award for “Protecting Indigenous Cultural Heritage: Emergent Policy and Practice, Fall 2014” ($24,660).

2015 Connections Grant for “DNA and Indigeneity: Exploring the (Re)-Construction of Identity at the Interface of Biology and Culture.” Social Sciences and Humanities Research Council, $20,410.

**Mike Richards**

2015/19 Social Sciences and Humanities Research Council of Canada (SSHRC) “Using isotope signatures to find the origin of unidentified human remains from forensic contexts”. $302,000.

2015/20 Natural Sciences and Engineering Research Council (NSERC) “Multi-isotope analysis of palaeofauna sequences as indicators of past environments and climates”. $135,000.

**Valentino Savo**


**John Welch**


2016 “San Carlos Apache Strike Team”. San Carlos Apache Tribe, Arizona Total: $19,650 Involvement: Cultural heritage consultant Collaboration: I supported the Apache Strike Team’s opposition to the Proposed Resolution Copper Mine by


conducting historical research and preparing strategic assessments of documents and plans prepared by the mining company, U.S. Forest Service, and their consultants.

2015/16 “Scowlitz Virtual Museum Companion”. SFU Community Engagement Fund Total: $10,000 Involvement: Co-Principal Investigator Collaboration: I support Kate Hennessey (SFU SIAT) and David Schaepe in developing and installing twin exhibits—in the SFU Museum of Archaeology and Ethnology and the Sto:lo Research and Resource Management Centre—to expand the reach of the Virtual Museum of Canada website dedicated to the Scowlitz ancestral village site.


2015/16 “Assessment of a Required Graduate Course, Social Science of Resource Management: Theories of Cooperation (REM 601)”. SFU Teaching and Learning Center Total: $5000. Involvement: Project Director Collaboration: I worked with Soudeh Jamshidian and other SFU colleagues to survey students and refine REM 601, the social science core course in the Master’s of Resource Management (MRM) program.

2015/16 “A Professional Online MA Program in Heritage Resource Management (HRM)”.

SFU Professional Online Scholarship and Training (POST) grant. Total: $100,000 Involvement: Program Director Collaboration: I facilitate and direct SFU and HRM industry colleagues in creating and delivering a new Master’s program, starting fall 2016.

Dongya Yang

2013/17 NSERC Strategic Project Grants, ($682,335) T. Pitcher (PI) and M. J. Krkosel, K. Salomon, Dongya Yang and E. A. Pakhomov (co-investigator) Project: Understanding the ecosystem role of Pacific herring in coupled social-ecological systems: advancing forage. Note: $159,045 for Genetics Module (Yang, Lorenz and Lepofsky)


2012/17 SSHRC Insights Grant, $278,200 L. Hodgetts (PI) and Dongya Yang (co-investigator) Project: Archaeological Investigations of Past Hunting Landscapes on Banks Island, NWT.
Faculty Publications

Francesco Berna

Berna F.

Spagnuolo V., Marciani G., Aureli D., Berna F., Boscato P., Ranado F., Ronchitelli A.


Toffolo M., Brink J., Berna F.


Goldberg P., Berna F., Chazan M.


Stahlschmidt M., Miller C.E., Ligouis B., Goldberg P., Berna F., Urban B., Conard N.G.


**David Burley**

**DV Burley**


Freeland, T, B Heung, **DV Burley**, G Clark and A Knudby


**DV Burley**, and M Weisler


**DV Burley**, T Freeland and J Naucabalavu


**D.V. Burley**, K. Edinborough, M. Weisler and J-X Zhao


B Phaff, **DV Burley**, and MP Richards


**DV Burley**, and K LeBlanc


**Hugo Cardoso**

Marinho L, **Cardoso HFV**.

2016. Comparing Known and Reconstructed Circumstances of Death Involving Blunt Force Trauma

**Cardoso HFV**, Spake L, Liversidge H.

Wilson LAB, Ives R, **Cardoso HFV**, Humphrey LT.

**Roy Carlson**

**Roy L. Carlson**

**Mark Collard**

Buchanan, B., O’Brien, M.J., **Collard, M.**

**Collard, M., Tarle, L., Sandgathe, D., Allen, A.**

**Collard, M., Vaesen, K., Cosgrove, R., Roebroeks, W.**

**Collard, M., Wood, B.A.**

Corbey, R., Jagich, A., **Collard, M.**, Vaesen, K.

**Dembo, M., Matzke, N.J., Mooers, A.Ø., Collard, M.**


Elliott, M., Kurki, H., Weston, D., Collard, M.

Elliott, M., Kurki, H., Weston, D., Collard, M.

Haidle, M., Bolus, M., Collard, M., Conard, N.J., Garofol, D., Lombard, M., Nowell, A., Tennie, C., Whiten, A.

McKerracher, L., Collard, M., Henrich, J.

McKerracher, L., Collard, M., Henrich, J.


Plomp, K.A., Strand Vidarsdottir, U., Weston, D.A., Dobney, K., Collard, M.

Raffield, B., Greenlow, C., Price, N., Collard, M.

Vaesen, K., Collard, M., Cosgrove, R., Roebroeks, W.


**Catherine D’Andrea**


Oas, S.E., **A.C. D’Andrea**, and D.J. Watson. 2015. 10,000 Year History of Plant Use at Bosumpra Cave, Ghana. *Vegetation History and Archaeobotany* **24**:635-653.


**Mana Dembo**


Jonathon Driver


Ross Jamieson
2015. BC Studies Conference, Kwantlen Polytechnic University, Richmond, BC. The Historical Archaeology of First Nations Peoples: A View from BC

Dana Lepofsky

Ritchie, MR., D. Lepofsky, S. Formosa, and K. Edinborough.

Savo, V., D. Lepofsky, K. Kohfeld, J. Benner, H. Bailey, and K. Lertzman.


David Maxwell
Lev-Tov, Justin, Sarah Van Galder, David Maxwell, Seetha Reddy, Thomas Wake, and Kenneth Gobalet

Badenhorst, Shaw, Jonathan C. Driver, and David Maxwell

**Deborah C. Merrett**


2016 The genetics of an early Neolithic pastoralist from the Zagros, Iran. *Scientific Reports* 6:31326. DOI: 10.1038/srep31326.


Zhang GH, **Merrett DC**, Xiao XM, Zhang QC, Wei D, Wang LX, Ma XL, Zhu H, Yang DY.


Zhang GH, **Merrett DC**, Jing ZC, Tang JG, He YL, Yue HB, Yue ZW, Skinner M, Yang DY.


**Merrett DC** and Meiklejohn C.


**George Nicholas**

Nicholas, G.P., N.J. Bonneau, and L. Westfall

Walker, A., B. Egan, and G. Nicholas (editors)

Nicholas, G.

Nicholas, G., and A. Walker.


Nicholas, G., A. Walker, and A. Goodman
http://www.anthropology-news.org/index.php/2016/03/21/dna-and-indigeneity/

Nicholas, G.
http://www.universityaffairs-digital.com/universityaffairs/201601?sub_id=o1THJj2OkRAK&pg=28#pg28

Nicholas, George, Brian Egan, Kelly Bannister, and Emily Benson

K. Bannister, and G. Nicholas
Rudy Reimer/Yumks

Reimer, Rudy, Pierre Freile, Kenneth Fath and John Clague
2016. Tales from the River Bank: An In-situ Stone Bowl found along the Shores of the Salish Sea on the southern Northwest Coast of British Columbia. *Journal of Northwest Anthropology Vol 50, No. 1: 1-26.*

Reimer, Rudy

Reimer, Rudy and Tyrone Hamilton

Mike Richards

Pellegrini, M., Pouncett, J., Jay, M., Pearson, M.P., and M.P. Richards

2016. Lake Ontario Salmon (Salmo salar) were not Migratory: A Long-standing Historical Debate Solved through Stable Isotope Analysis. *Scientific Reports* 6, 36249


Cheung, C., Jing, Z., Tang, J., Yueb, Z., and M.P. Richards
2016. Examining Social and Cultural Differentiation in Early Bronze Age China using Stable Isotope Analysis and Mortuary Patterning of Human Remains at Xin’anzhuang, Yinxu. *Journal of Archaeological Science: Reports*

McManus-Fry, E., Knecht, R., Dobney, K., Richards, M.P., and K. Britton


Britton, K., McManus-Fry, E., Nehlich, O., Richards, M.P., Ledger, P., and R. Knecht


Ma, Y., Fuller, B. T., Chen, L., Zhao, C., Hu, Y., and Richards, M. P.


Jaouen, K., Szpak, P. and M.P. Richards


Jaouen, K., Beasley, M., Schoeninger, M., Hublin, J-J., and M.P. Richards


Ma, Y., Fuller, B., Sun, W., Hu, S., Chen, L., Hu, Y., and M.P. Richards


Ma., Y., Fuller, B., Wei, D., Shi, L., Zhang, X., Hu, Y. and M.P. Richards


Guiry, E., Szpak, P., and M. P. Richards


Guiry, E.J., Hepburn, J.C., and M.P. Richards


Phaff, B., Burley, D. and M.P. Richards


Cooper, C., Lupo, K., Matson, R.G., Lipe, W., Smith, C.I. and M.P. Richards


Stantis, C., Buckley, H., Kinaston, R., Nunn, P., Jaouen, K. and M.P. Richards

**Dennis Sandgathe**

Collard, Mark, Lia Tarle, **Dennis Sandgathe**, and Alexander Allan


Dibble, H, S Holdaway, S Lin, D Braun, M Douglass, R Iovita, S McPherron, D Olszewski, **D Sandgathe**


Jacobs, Z, Jankowski, N., Dibble, H. L., Goldberg, S. P. McPherron, **D. Sandgathe**, and Soressi, M.


Hodgkins, Jamie, C. Marean, A. Turq, **D Sandgathe**, S.P. McPherron, H L Dibble.


Castel, J-C, E. Discamps, M-C Soulier, **DM Sandgathe**, HL Dibble, SP McPherron, P Goldberg, A Turq

2016. Neandertal Subsistence Strategies during the Quina Mousterian at Roc de Marsal (France). *Quaternary International* Feb 2016


2015. A Multi-method Luminescence Dating of the Palaeolithic Sequence of La Ferrassie Based on New Excavations Adjacent to the La Ferrassie 1 and 2 Skeletons. *Journal of Human Evolution*. Online Feb. 26

**Sandgathe, D.** Comment on: Scherjon, F., et al

**Valentino Savo**

**V. Savo**, D. Lepofsky, J. Benner, K. Kohfeld, H.J. Bailey, K. Lertzman  

G. Caneva, F. Bartoli, **V. Savo**, Y. Fugatami, G. Strona  

L. Salvati, E. De Zuliani, A. Sabbi, L. Cancellieri, M. Tufano, G. Caneva, **V. Savo**  

P.M., Guarrera, **V. Savo**  

**V. Savo**, G. Caneva, A. Kumbaric  

**V. Savo**, L. Salvati, G. Caneva  

G. Caneva, A. Kumbaric, **V. Savo**, R. Casalini  

**V. Savo**, R. Joy, G. Caneva, W.C. McClatchey  

P.M. Guarrera, **V. Savo**, G. Caneva  

W. Sujarwo, A.P. Keim, **V. Savo**, P.M. Guarrera, G. Caneva  
John Welch

Welch, J.R., Editor


Welch, J.R, and Evelyn Pinkerton


Hoerig, Karl A., J.R. Welch, T. J. Ferguson, and Gabriella Soto


Welch, J.R.


Ferris, Neal, and J.R. Welch


Welch, J.R., Mark Altaha, and the BFRR Collective


The Black Trowel Collective


Ferris, Neal, and J.R. Welch


Welch, J.R.


Welch, J.R.

2016. Preservation, Decolonization and Sovereignty Reclamation at the Fort Apache and Theodore Roosevelt National Historic Landmark, Arizona. IHOPE featured case study

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