



GERONTOLOGY RESEARCH CENTRE

SIMON FRASER UNIVERSITY
GERONTOLOGY RESEARCH CENTRE



ANNUAL REPORT 01 APRIL 2010 – 31 MARCH 2011

Pursuant to S.F.U. Policy R40.01, the Director of each **Schedule 'A'** Centre of Institute (hereafter referred to as "the Centre") is required to provide the Faculty Dean with an annual report on the activities, contractual obligations and finances of the Centre. The Faculty Dean then reports to the Governing Committee on Centres, which then reports to the President and S.F.U. Board of Governors. Following is the activities portion of the report for Fiscal Year 2010-2011 (April 1, 2010 to March 31, 2011).

SFU

SIMON FRASER UNIVERSITY
THINKING OF THE WORLD

Information

Name:	Simon Fraser University Gerontology Research Centre (GRC)
Schedule:	Schedule A
Reports to:	Paul McFetridge, Associate Dean, Faculty of Arts and Social Sciences
Date Established:	5/10/82
Approved by BOG:	6/29/82
Director	Andrew Sixsmith
Academic Credentials	BA, MA (Keele), PhD (Lond)
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OVERVIEW

Established in 1982, the Gerontology Research Centre (GRC) and the associated Department of Gerontology promote and conduct innovative interdisciplinary research on topics relating to individual and population aging, serve as a clearinghouse for information and provide consultation and technical assistance to the academic community, government, public and private organizations (see 'RESEARCH'). The GRC houses a specialized collection of research materials that is maintained by a full-time information specialist, Raymond G. Adams (see 'GRCIC Report'). The GRC has an active publications program, including "GRC News" and "Seniors' Housing Update (see 'NEWSLETTERS') and hosts workshops and conferences (see 'HOSTED CONFERENCES').

Centre research activities focus on applied gerontology in a number of areas, including: (1) Aging and the Built Environment - Research on planning, design, development and evaluation of housing, care facilities, community environments and enabling technology; (2) Changing Demography and Lifestyles - Examination of the impact of changes in the timing of life events and in retirement, pension and income support policy and programs; (3) Health Promotion/Population Health and Aging - Examination of determinants and consequences of population health, development and evaluation of programs that assist seniors to improve their mental and physical health, cope with chronic illness, and prevent disability; (4) Prevention of Victimization and Exploitation of Older Persons - Research and development of programs to prevent financial, psychological, physical and sexual abuse of older people, and facilitate access to rights and services; and (5) Technology and Aging - Research, development and evaluation of technologies to support independent living and enhance quality of life. The associated Department of Gerontology offers a Minor, Diploma, Masters, and Ph.D. with concentrations in 'environment and aging' or 'health and aging.'

FACULTY & STAFF

Name	Position	Department
Andrew Sixsmith	Professor, Director, Gerontology Research Centre	Gerontology
Andrew V. Wister	Professor, Chair, Department of Gerontology	Gerontology
Barbara Mitchell	Professor, Graduate Program Chair	Gerontology
Habib Chaudhury	Associate Professor	Gerontology
Norm O'Rourke	Associate Professor	Gerontology
Gloria M. Gutman	Professor Emerita	Gerontology
Loren Lovegreen	Assistant Professor	Gerontology
Atiya Mahmood	Assistant Professor	Gerontology
Charmaine Spencer	Research Associate	Gerontology
Heather Stewart	Research Associate	Gerontology
Lillian Zimmerman	Research Associate	Gerontology
Eunju Hwang	Post-doctoral Fellow	Gerontology
Ben Mortenson	Post-doctoral Fellow	Gerontology
Anne Marie Barrett	Manager, Academic and Administrative Services	Gerontology
Roslyn McKoen	Graduate Program Assistant	Gerontology
Raymond G. Adams	Information Officer	Gerontology
Melinda Aikin	Receptionist	Gerontology

RESEARCH

The GRC and Department of Gerontology is proud to report participating in research initiatives totalling almost \$52.8 million dollars of which almost \$24.5 million dollars is composed of grants from CIHR and a further \$2.2 million dollars in grants from SSHRC.

MAJOR RESEARCH PROJECTS

Major Research Project: Technologies for Injury Prevention in Seniors (TIPS)

Falls represent the most common cause of injuries in those over age 65. They are responsible for over 90% of hip fractures and wrist fractures, and up to 60% of head injuries in this population. Approximately 20% of hip fracture patients die within a year, and 50% will not return to their pre-fracture level of mobility and independence. Clearly, the development of improved strategies to prevent falls, and the injuries caused by falls, is an essential public health priority. The Technology for Injury Prevention in Seniors (TIPS) program seeks to develop innovative technologies to prevent hip fractures and other fall-related injuries in older adults. While TIPS is based at Simon Fraser University, the project utilizes a novel program of collaborative research between universities, government agencies, and end

users to achieve its objectives: SFU Co-Investigators include researchers from the Department of Biomedical Physiology and Kinesiology (BPK), Engineering, the Department of Gerontology and the Gerontology Research Centre; UBC Co-Investigators include researchers from the Centre for Hip Health and Mobility; BC Government Co-Investigators represent the BC Injury Prevention Unit and Fraser Health; and University of Waterloo Co-Investigators include the Injury Biomechanics and Aging Laboratory. TIPS is funded through team grants from: the Canadian Institute for Health Research (CIHR) under two programs: the Emerging Team Grants for Alliances in Mobility in Aging program - \$1,499,643.00; and the Strategic Teams in Applied Injury Research (STAIR) program – \$896,112.00. Funding for this project runs from 2009 to 2014.

The following is a list and brief description of the various TIPS sub-projects:

Sub-Project A: Video-based recording of real-life falls: The goal of this project is to determine “how” and “why” falls occur in older adults, based on careful review of video footage of real-life falls experienced by residents of two partnering long-term care facilities.

Sub-Project B: Wearable Fall Event Sensors: In this Sub-project, we are combining miniature sensors (Microstrain G-Link and APDM Emerald sensors) with custom-designed data analysis algorithms to create wearable fall recorders that can accurately detect and log the onset of a fall, and record key characteristics associated with the initiation, descent, and impact stages of falls.

Sub-Project C: Characterizing Predictors of Falls in the Long- Term Care Setting: In this Sub-project we are exploring the risk factors for falls in LTC. In particular, we are looking at how the falls are influenced by the complex interaction of factors such as the person’s physical and cognitive status, medication use, use of assistive devices, and features of the physical and social environment.

Sub-Project D: Compliant Flooring to Reduce Fall-Related Fractures: This project will test the effect of force attenuating compliant flooring (similar to the rubber tile found in some playgrounds) on mobility, falls, and fall-related injuries in the LTC environment.

Sub-Project E: Active Hip Protectors: The aim of this Sub-project is to develop “next-generation” hip protectors that overcome current barriers to the uptake and biomechanical effectiveness of this intervention.

Sub-Project F: Moving Research Outcomes into Action: Beginning with the End-User in Mind: The aim of this Sub-project is to engage stakeholders in the design, implementation and dissemination of our research.

The Gerontology Research Centre and Department of Gerontology are proud to be a part of the TIPS research initiative by being a major contributor to **Sub-Project C: Characterizing Predictors of Falls in the Long- Term Care Setting**. This research team is being led by Dr. Andrew Sixsmith (Director, GRC) who is also one of the TIPS Co-Investigators. This team includes Dr. Habib Chaudhury (Associate Professor, Department of Gerontology). In this Sub-project we are exploring the risk factors for falls in LTC. In particular, we are looking at how the falls are influenced by the complex interaction of factors such as the person’s physical and cognitive status, medication use, use of assistive devices, and features of the physical and social environment. To assess intrinsic factors we are conducting a battery of physiological and cognitive measures based on recent pilot work at the LTC facilities. These include measures of postural stability, gait speed, co-ordination, cognitive function and cardiovascular status. To assess extrinsic factors in falls, we are using video data, interviews, case notes and observation to determine the role of LTC design features, movable objects (chairs etc) as well as the role of the social and care context. The project combines quantitative and qualitative methods to obtain a holistic picture of the factors that influence falls and to use these insights to develop and evaluate preventative interventions.

Major Research Project: The Canadian Longitudinal Study on Aging (CLSA):

Researchers at SFU, led by Dr. Andrew Wister, are set to embark on one of the most comprehensive studies of aging ever conducted - the Canadian Longitudinal Study on Aging (CLSA). Dr. Wister is professor and Chair of the Department of Gerontology, and is a co-leader in the development of the CLSA and the lead of the SFU data collection site.

The CLSA was officially launched last year with an announcement by the federal government of \$30 million in funding through the Canadian Institutes of Health Research (CIHR) and \$26 million in infrastructure funding through the Canadian Foundation for Innovation (CFI). The CLSA will involve a multi-disciplinary research team comprised of more than 160 researchers from 26 universities across Canada. Approximately 50,000 Canadian men and women between the ages of 45 and 85 will be enrolled as participants in the CLSA and followed for at least 20 years. The CLSA is a national project with its hub at McMaster, connecting researchers from universities across the country. It has strong BC representation through Simon Fraser University, the University of Victoria, and the University of BC. Dr. Wister will lead the SFU data collection team, which also includes Drs. Andrew Sixsmith (Director, SFU Gerontology Research Centre) and Heather Stewart (Research Associate -- Gerontology Research Centre and UBC Brain Research Centre), and Dr. Barbara Mitchell (Professor, Sociology/Anthropology & SFU Gerontology).

The ultimate aim of the CLSA is to provide a research platform that will allow examination into ways to improve the health of Canadians by better understanding the processes and dimensions of aging over the life course of individuals. The data collected will generate new knowledge on the many complex and interrelated biological, clinical, psycho-social, and societal factors that affect aging by facilitating interdisciplinary research. The CLSA will create a platform upon which researchers may connect and collaborate with other researchers, clinicians, academics, and other public and private partners.

In addition, new investigators, trainees, and students will have opportunities to work and learn within inter-disciplinary research environments where the biological, clinical and social sciences coalesce to produce innovative approaches to the study of adult development, disease evolution, and healthy aging. The 1,100 sq ft lab SFU CLSA data collection site will reside in the Podium - "the intellectual heart" - of the SFU Surrey campus, which is being constructed supported by CFI and CIHR funding. The comprehensive data collection will begin May 2011. Potential study participants living within 25 to 50 kilometres of the SFU Surrey campus will be contacted at random with information about the CLSA. If they are eligible and provide consent, participants will visit the data collection site once every 3 years, and undergo a series of interviews about their physical, psycho-cognitive, and social functioning. In addition, participants will undergo tests of their heart, lung and vascular functions; bone density and joint function; vision and hearing; strength, mobility, and balance. Participants will also provide blood and urine specimens which may be used to study, for example, how environmental and social factors interact with the functions of genes and proteins to affect aging and disease processes.

Major Research Collaborations

The GRC's various research initiatives yield valuable opportunities for collaboration: other SFU units (e.g., Engineering Science, Biomedical Physiology and Kinesiology, and Sociology); other Canadian Universities (e.g., University of British Columbia, University of Montreal, University of Toronto, University of Victoria, and the University of Western Ontario); universities outside of Canada (e.g., Dundalk Institute of Technology, Ireland; Lingnan University, Hong Kong; University of Queensland, Australia; University of Oregon, USA; and Ulsan University, Korea); government and NGO's (e.g., Fraser Health Authority – a unit of BC Health; and SAFERhome Society - a non-profit, public interest

organization).

Our involvement in BCNAR resulted in an opportunity to collaborate with its partners at: the University of British Columbia; University of Northern BC; UBC Okanagan, and the University of Victoria

RESEARCH GRANTS AWARDED:

Adams, R.G. (2010). "GRC OAI Project" Funded by SFU Library Scholarly Digitization Fund (\$3700).

Chaudhury, H. (PI). (2009 – 2010). "Development and Pilot Testing of a Physical Environmental Assessment Component (DCM-ENV) for Dementia Care Mapping (DCM) Tool." Funded by CIHR (\$49,637).

Chaudhury, H. (PI). (2009 – 2010). "Development of a Physical Environmental Assessment Component (DCM-ENV) for Dementia Care Mapping (DCM) Tool." Funded by BCNAR (\$4,900).

Chaudhury, H. (PI). (2007-2011). (Mahmood, A., Michael, A. Wister and Hayes, M. – Co-Inv). (April 2007 – March 2010). "The Role of Neighbourhood Physical Environment and Social Capital on the Physical Activity of Older Adults: A Comparative Analysis in Vancouver, British Columbia and Portland, Oregon." Funded by CIHR (\$276,191).

Gutman, G.M. (PI). "Active Aging: Immigrants and Age-friendly Communities." Funded by BC Ministry of Health (\$30,000).

Gutman, G.M. (PI). (held). "Evaluation." Funded by Netwell Project, Dundalk Institute of Technology (35000 Euros + 10,0000 travel over 5 yrs (\$65,575)).

Gutman, G.M. (PI). (held). "ISG2010." Funded by CIHR-IA Meetings, Planning and Dissemination Grant Program (\$25,000).

Gutman, G.M. (PI). "Literature review: Elder abuse and neglect in disasters." Funded by Public Health Agency of Canada (\$7500).

Gutman, G.M. (PI). (held). "Migrant workers in Long term care: Pilot study of workers entering Canada under the Live-in-Caregiver Program." Funded by BCNAR – Emergent Needs Grant program (\$5,000).

Lovegreen, L.D. (Co-Investigator). (Institution of Co-Investigator(s): UVic, SFU, and UBC). (2010 – 2010). "Resilience, Older Adults, and Active Living." Funded by CIHR (\$10,000).

Mitchell, B.A. (Collaborator – 1 of 120; P.I.s -- P. Raina, C. Wolfson, and S. Kirkland). Five year grant (2009-2014). "Canadian Longitudinal Study on Aging." Funded by CIHR (Total: \$19.65 million for various grants).

Mitchell, B.A. (Co-P.I., along with a large group of other Co-P.I.s across Canada; P.I.s– R. Beaujot and Ravanera, U. of Western Ontario). (2007-2014). "Cluster on Population Change and the Life Course." SSHRC-funded study (Total: \$2,097,000).

Mortenson, W.B. (trainee); Demers, L. (co-supervisor); Sixsmith, A. (co-supervisor). (Institution of Investigator(s): University of Montreal & SFU). (2009-2011). "A Multi-Site Randomized Control Trial of the Impact of Assistive Technology on Individuals with Stroke and their Caregivers." CIHR post-doctoral fellowship in the area of Aging and Mobility, (\$55,000 per year).

O'Rourke, N., Chaudhury, H., Carmel, S., & Bachner, Y. G. "Autobiographical Memory and Well-Being in Later Life." Funded by SSHRC: \$75,000 over 1 year.

Sixsmith, A., & Chaudhury, H. (Co-Investigators). (Institution of Co-Investigator(s): SFU, UBC; (PI) Steve Robinovitch). (2009 - 2014). "Cause and Prevention of Falls in Residential Care." Funded by CIHR

(Annual: \$350,000; Total: \$1,499,643).

Sixsmith, A. (Co-Investigator). (Institution of Co-Investigator(s): SFU, UBC; (PI) Steve Robinovitch). (2010 - 2014). "CIHR Team in the Prevention of Fall-Related Injuries in Older Adults through Bioengineering." Funded by CIHR (Total: \$896,112).

Sixsmith, A. (Co-investigator), Mortenson, W. (Co-investigator) with Demers, L. (PI) and DeRuyter, F., Fuhrer, M., Jutai, J. (Co-investigators). "A Multi-Site Trial of the Impact of Assistive Technology with Individuals with Mobility Limitations and their Caregivers." Funded by CIHR (Annual: \$125,000; Total: \$500,000).

Sixsmith, A. (PI). (Institution of Co-Investigator(s): SFU, University of Toronto, plus collaborators at Lingnan University Hong Kong, University of Queensland Australia, University of Oregon USA, Ulsan University Korea). (2010 - 2010). "Emerging team in Ambient Assistive Living." Funded by CIHR (Total: \$25,000).

Sixsmith, A., & Gutman, G.M. (held). "ISG-2010." Funded by SFU Vice-President Academic Conference Fund (\$3,000).

Sixsmith, A., Gutman, G.M., & Stewart, H. "Think-tank & Conference: Climate change and population health." Funded by SFU Conference grant (\$2000).

Spencer, C. (PI). (2010). "Senior abuse." Funded by BCNAR (\$4900).

Stewart, H., Gutman, G.M., & Sixsmith, A. "Think-tank: Climate change and population health." Funded by CIHR meeting, planning and dissemination grant (\$25,000).

Wister, A.V. (Co-Investigator/Principal User/SFU Data Collection Site Leader). (P. Raina – Project Leader) (30 Principal Users). (September 2009 – August 2014). "Canadian Longitudinal Study on Aging: Understanding the Complexity of Aging Health Through Interdisciplinary Research." National CFI; Total Project Cost – \$26,057,659 (\$10,215,493 CFI Direct Funding); SFU Site total –\$1,550,177.

Wister, A.V. (Co-Investigator). (P. Raina; S. Kirkland; C. Wolfson (PIs); 20 Co-PIs). (April 2008 – March 2012). "Canadian Longitudinal Study on Aging (CLSA) – Mobility Initiative (CMI) – An Emerging Team in Mobility in Aging." Funded by CIHR (\$1,487,100 - \$247,850/year - \$70,000 to SFU directly).

HOSTED CONFERENCES:

International Society for Gerontechnology's 7th World Conference (ISG2010)

The GRC was the host for the International Society for Gerontechnology's 7th World Conference (ISG2010) held in Vancouver, May 27-30, 2010. ISG2010 was the major international conference for researchers in the field of technology and aging, shared their knowledge and experience through lectures, over 20 symposia and around 100 paper presentations and 100 posters. Topics included rehabilitation engineering, robotics, telemonitoring, telecare, ICT, biomechanics and ergonomics, assistive technology, inclusive design and usability, smart homes and smart fabrics, sensor technology, and cognitive aging and computer games. The Conference featured an exhibition and trade show, an exciting social program, and pre- and post-conference special interest events. ISG2010 was one of the most successful in the conference series, attracting over 400 participants from all around the world.

John K. Friesen Conference in Gerontology:

John K. Friesen has contributed vision and leadership wherever he has lived and worked. In British Columbia, he has a distinguished record of public service with many organizations and is a major contributor to the Gerontology Research Centre's research, teaching, and information dissemination activities. He established the John K. Friesen Conference in Gerontology - organized and hosted by the GRC - to provide an important source of professional development to those working with seniors and to act as a catalyst for new research. In May 2010, in view of the GRC hosting the 7th World Conference of the International Society for Gerontechnology, rather than having a full Friesen conference in May or June as typically happens, a special public lecture was held in Dr. Friesen's name as part of the ISG conference chaired by Dr. Andrew Wister. In January 2011, planning began in earnest for the 20th Annual John K. Friesen conference which will be an international event - "Growing Old in a Changing Climate: Exploring the Interface between Population Aging and Global Warming. It will take place May 25-26 at the Segal Graduate School of Business, supported in part by a \$25,000 conference grant from CIHR awarded to the core organizing team: Heather Stewart - Program Chair, Gloria Gutman, Operations Chair and Andrew Sixsmith, Conference Chair.

Ellen M. Gee Memorial Lecture in Gerontology:

Dr. Ellen Gee, one of Canada's most distinguished social demographers, feminists and gerontologists passed away suddenly in November 2002. To commemorate her accomplishments, an endowment fund has been established with an initial \$5000 contribution from the Simon Fraser University to support the Ellen M. Gee Memorial Lecture Series in Gerontology. The lecture series is organized and hosted by the GRC. The 8th Annual Ellen M. Gee Memorial Lecture, held November 12, 2010, featured the topic "Personal Retirement Risk Management: Who is Doing Well and Who Needs Help" This free public lecture was presented by Dr. Leroy Stone, Adjunct Professor, Department of Demography, University of Montreal. Dr. Stone's presentation examined how systemic changes have been making retirement related risk management more complex for pre-retirees in a number of countries, including Canada. A process that has been enhanced by the 2007-2009 financial crisis and the consequent new troubles facing older workers in North American labour markets. His presentation on who is doing well and who needs help included some details for British Columbians. This topic reflects the GRC's ongoing research efforts in the area of "Changing Demography and Lifestyles" which entails an examination of the impact of changes in the timing of life events and in retirement, pension and income support policy and programs.

FREE PUBLIC LECTURES:

February 4, 2011: CHINESE-CANADIAN PATHWAYS TO A DIAGNOSIS OF DEMENTIA IN METRO VANCOUVER: EXPLORING INTERSECTIONS BETWEEN CULTURE, SOCIAL DETERMINANTS OF HEALTH, AND SYSTEM BARRIERS. Presented by Sharon Koehn, PhD, Research Associate, Centre for Healthy Aging at Providence.

December, 2010. PSYCHOLOGICAL RESILIENCE FORESTALLS DEPRESSION AMONG CAREGIVERS OF PERSONS WITH ALZHEIMER DISEASE. Presented by Norm O'Rourke, PhD, Associate Professor, Department of Gerontology, Simon Fraser University to the Center for Multidisciplinary Research in

Aging, Ben-Gurion University of the Negev, Be'er Sheva, Israel.

November 17, 2010: THE DEVELOPMENT OF A PHYSICAL ENVIRONMENTAL COMPONENT OF DEMENTIA CARE MAPPING (DCM) TOOL. Presented by Habib Chaudhury, PhD, Associate Professor, Department of Gerontology, Simon Fraser University.

October 15, 2010: THE ELDER ABUSE SUSPICION INDEX (EASI): DEVELOPMENT AND VALIDATION, KNOWLEDGE TRANSLATION AND OUTCOMES. Presented by Mark Yaffe, MDCM MCISc, Associate Professor at the Faculty of Medicine, McGill University.

STUDENT PUBLIC PRESENTATIONS:

March 15, 2011: RESIDENTS' ENGAGEMENT IN PLANNED ACTIVITIES IN SPECIAL CARE UNITS IN VANCOUVER. Presented by Krista Frazee (MA Candidate, SFU Department of Gerontology) at the UBC Centre for Research on Personhood in Dementia (CRPD) Colloquium Series, UBC, Vancouver, BC.

February 22, 2011: SENIORS MAINTAINING ACTIVE ROLES TOGETHER (SMART) PROGRAM. Presented by Krista Frazee (MA Candidate, SFU Department of Gerontology) at the 'Geriatrics Research Night' sponsored by the UBC branch of the National Initiative for the Care of the Elderly and the UBC Medicine Geriatrics Interest Group, UBC Golf Club, Vancouver, BC.

NEWSLETTERS:

Centre publications include two newsletters (GRC News and Seniors' Housing Update) edited by the Centre's Information Officer, Raymond G. Adams who co-ordinates production with: Centre researchers and guest-contributors; Jocelyne Laflamme (layout); SFU Document Solutions (printing); and Mail-O-Matic (mailout). GRC News reports on the Centre's current research and education activities; and Seniors' Housing Update highlights new developments in seniors' housing, the built environment, and technology to assist aging. Both newsletters are published three times a year and have an international circulation of around 2000.

ANNUAL PUBLIC AWARD EVENTS:

ELDER ABUSE AWARENESS TO ACTION AWARDS:

To mark World Elder Abuse Awareness Day, the SFU Gerontology Research Centre established an annual awards program to recognize outstanding contributions made by individuals or groups in British Columbia towards advancing senior abuse awareness, prevention, and support. There are three categories of award recognition: a) For individual, community group or agency contributions; b) For innovative programs and those who fund them; c) For media reporting (print, radio, TV) and marketing. The award is organized by Charmaine Spencer (GRC Adjunct Professor & Research Associate -- Vulnerable Populations).

Not awarded this fiscal year

SENIOR LEADERSHIP AWARD:

The Senior Leadership Award, (SLA), initiated by Dr. Sandra Cusack (retired from SFU Gerontology

Research Centre), recognizes those performing leadership roles for seniors and is a highlight for the GRC marking its 8th year. This year the organizing committee [Raymond Adams, Gloria Gutman and Lillian Zimmerman (Chair)] presented awards to 6 individual recipients and one organization. The Award Ceremony took place on November 12, 2010 on the occasion of the 8th Annual Ellen Gee Memorial Lecture.

NETWORK ACTIVITIES:

In February, 2010 with the election of Dr. Gloria Gutman as the 5th President of the International Network for Prevention of Elder Abuse (INPEA), the INPEA Secretariat moved to the GRC. It will remain here until her term ends in 2013. The GRC has been host to the Secretariat of the BC Network on Aging Research (BCNAR) for several years. Funding from the Michael Smith Foundation for BCNAR activities was concluded at the end of March 2011.

PUBLICATIONS and CONFERENCE PRESENTATIONS

1. Books, Major Reference Works and Research Tools
2. Journal Articles
3. Chapters in Books and Conference Proceedings
4. Reports, Briefs, Discussion Papers
5. Abstracts, Book Reviews, Editorials, Magazine, Newsletter, and Newspaper Articles
6. Electronic Media
7. Education Materials
8. Conference Presentations
9. Public Information Material

1. Books, Major Reference Works and Research Tools

A) Published

Gutman, G.M., & Spencer, C. (Eds.). (2010). *Aging, ageism and abuse: Moving from awareness to action*. Burlington, MA: Elsevier.

Sixsmith, A., & Gutman, G.M. (Eds.). (2010). *Gerontechnology*, 9(2) Spring 2010. Eindhoven, the Netherlands: ISG.

B) In Press

O'Rourke, N., & Hatcher, L. (in press). *A step-by-step approach to using SAS for factor analysis and structural equation modeling* (2nd Ed.). Cary, NC: SAS Institute Inc.

Wister, A.V., & McPherson, B. (in press). *Aging as a Social Process: Canadian Perspectives*, 6th Edition. Don Mills ON: Oxford University Press.

2. Journal Articles (Peer Reviewed)

A) Published

- Bachner, Y.G., O'Rourke, N., Castel, H., & Kurshnir, T. (2010). Further examination of the psychometric properties of the Psychological Medicine Inventory – Student Version. *Education for Health*, 23, 1-5.
- Bierhoff, I., & Sixsmith A., et al. (2010). Making user-centred design a reality: Experiences from the NETCARCITY and SOPRANO projects. *Gerontechnology*, 9(2), 134.
- Gibson, M., & Gutman, G.M. (2010). Mitigating the risk of late-life mental health problems for veterans: Contributions of the life course perspective to emergency management. *Disaster Medicine and Public Health Preparedness*, PREPUBLICATION doi:10.1001/dmp.2010.48 [online]: <http://www.dmphp.org/pap.dtl>.
- Hung, L., & Chaudhury, H. (2011). Exploring personhood in dining experiences of residents with dementia in long-term care facilities. *Journal of Aging Studies*, 25(1), 1-12.
- Lovegreen, L.D., Kahana, E., & Kahana, B. (2010). Residential relocation of amenity migrants to Florida: "Unpacking" post-amenity moves. *Journal of Aging and Health* [online]: <http://jah.sagepub.com/content/early/2010/07/19/0898264310374507>.
- Mitchell, B.A. (2010). Happiness in midlife parental roles: A mixed methods analysis. *Journal of Family Relations*, 59(3), 326-339.
- Mitchell, B.A. (2010). "Midlife Marital Happiness and Ethnic Culture: A Life Course Perspective." *Journal of Comparative Family Studies*, 41(1): 166-183.
- Neufeld, E., O'Rourke, N., & Donnelly, M. (2010). Enhanced measurement sensitivity of hopeless ideation among older adults at risk of self-harm: Reliability and validity of Likert-type responses to the Beck Hopelessness Scale. *Aging & Mental Health* 14(6), 752-756.
- Olshansky, S.M., Biggs, S., Achenbaum, W.A., Davison, G.C., Fried, L., Gutman, G., Kalache, A., et al. (2011). The Global Agenda Council on the Ageing Society: Policy Principles. *Global Policy*, 2(1), 97-105.
- O'Rourke, N., Kupferschmidt, A.L., Claxton, A., Smith, J.Z., Chappell, N., & Beattie, B. L. (2010). Psychological resilience and depressive symptoms among spouses of persons with Alzheimer disease over time. *Aging and Mental Health*, 14(8), 984-993.
- O'Rourke, N., Neufeld, E., Claxton, A., & Smith, J.Z. (2010). Knowing me - knowing you: Reported personality and trait discrepancies as predictors of marital idealization between long-wed spouses. *Psychology and Aging*, 25(2), 412-421.
- Rademakers, R., Stewart, H.G., DeJesus-Hernandez, M., Krieger, C., Graff-Radford, N., Fabros, M., Briemberg, H., Cashman, N., Eisen, A., Mackenzie, I.R. (2010). Fus gene mutations in familial and sporadic amyotrophic lateral sclerosis. *Muscle Nerve*, 42(2), 170-6.
- Sanjak, M., Salachas, F., Frija-Orvoen, E., Theys, P., Hutchinson, D., Verheijde, J., Pianta, T., Stewart, H.G., Brooks, B., Meininger, V., Douillet, P., & et al. (2010). Quality control of vital capacity as a primary outcome measure during phase III therapeutic clinical trial in amyotrophic lateral sclerosis. *Amyotroph Lateral Scler*, 11(4), 383-8.
- Sixsmith A., & Gutman, G.M. (2010). Welcome to ISG's 7th World Conference on Gerontechnology. *Gerontechnology*, 9(2), 63.
- Sixsmith, A., Orpwood, R., & Torrington, J. (2010). Developing a music player for people with dementia. *Gerontechnology*, 9(3), 421-427.
- Theurer, K., & Wister, A.V. (2010). Altruistic behaviour and social capital as predictors of well-being in older Canadian adults. *Ageing and Society*, 30(1), 157-181.
- Wanless, D., Mitchell, B.A., & Wister, A.V. (2010). Social determinants of health for older women in Canada: Does rural/urban residency matter? *Canadian Journal on Aging*, 29(2), 233-247.
- Wister, A.V., Malloy-Weir, L., Rootman, I., & Desjardins, R. (2010). Life-long educational practices and resources in enabling health literacy among older adults. *Journal of Aging and Health*, 22(6), 827-854.

Yon, Y., Anderson, L., Lymburner, J., Marasigan, J., Savage, R., Campo, M., McClosdey, R., & Mandville-Ansley, S.A. (2010). Is ageism in university students associated with elder abuse? *Journal of Intergenerational Relationships* 8(4), 386-402.

B) Accepted or In Press

Bachner, Y.G., O'Rourke, N., Ayalon, L., & Bédard, M. (in press). Comparison of responses by caregivers to Hebrew and English language versions of an abridged Zarit Burden Interview. *Aging and Mental Health*.

Bachner, Y.G., O'Rourke, N., Carmel, S. (in press). Fear of death, mortality communication and psychological distress among secular and religiously observant family caregivers of terminal cancer patients. *Death Studies*. (Special issue: Death Acceptance: Theory, Research and Implications.)

Byrne, K., Frazee, K., Sims Gould, J., & Martin-Matthews, A. (in press). Valuing the older person in the context of delivery and receipt of home support: Client perspectives. *Journal of Applied Gerontology*.

Caspar, S., & O'Rourke, N. (in press). Measurement of workplace empowerment across caregivers. *Geriatric Nursing*.

Chaudhury, H., Mahmood, A., Gaumont, A., & Rust, T. (in press). The effect of physical environment on medication errors in long-term care. *International Journal of Health Care Quality Assurance*.

Chaudhury, H., Sarte, A., Michael, Y.L., Mahmood, A., Keast, E., Dogaru, C., & Wister, A.V. (in press). Use of a Systematic Observational Measure to assess and compare walkability for older adults in Vancouver, British Columbia and Portland, Oregon neighborhoods. *Journal of Urban Design*.

Cooke, H., & Chaudhury, H. (in press). An examination of the psychometric properties and efficacy of dementia care mapping. *Dementia: The International Journal of Social Research and Practice*.

Hwang, E., Cummings, L., Sixsmith, J., & Sixsmith, A. (in press). Impacts of housing adaptations and health services on aging-in-place. *Journal of Housing for the Elderly*.

Kloseck, M., Crilly, R.G., & Gutman, G.M. (in press). Naturally Occurring Retirement Communities (NORCs): Untapped resources to enable optimal aging in place. *Journal of Housing for the Elderly*.

Mahmood, A., Chaudhury, H., Gaumont, A., & Rust, T. (in press). The effect of physical environment on medication errors in long-term care. *International Journal of Health Care Quality Assurance*.

Mahmood, A., Chaudhury, H., & Valente, M. (in press). Nurses' perception of the role of environmental design on nursing and medication errors in acute care settings. *Applied Nursing Research*.

O'Rourke, N., Cappeliez, P., & Claxton, A. (in press). Functions of reminiscence and the psychological well-being of young-old and older adults over time. *Aging and Mental Health*.

O'Rourke, N., Claxton, A., Chou, P. B. H., Smith, J. Z., & Hadjistavropoulos, T. (in press). Personality trait levels within older couples and between-spouse trait similarity as predictors of marital satisfaction. *Aging and Mental Health*.

O'Rourke, N., Claxton, A., Kupferschmidt, A.L., Smith, J.Z., & Beattie, B.L. (in press). Marital idealization as an enduring buffer to distress among spouses of persons with Alzheimer disease. *Journal of Social and Personal Relationships*. (Special issue: Personal Relationships in Late Life).

3. Chapters in Books and Conference Proceedings

A) Published

- Bierhoff, I., Sproll, S., Müller, S., Avatangelou, E., Delaney, S., Byrne, P., Sixsmith, A.J., Kremen, P., Kouba, Z., Goossen, B., & Panis P. (2010). Making user-centred design a reality: Experiences from the NETCARITY and SOPRANO project [abstract]. *Gerontechnology*, 9(2), 134.
- Bronswijk, J.E.M.H. van, Franco, A., Gutman, G.M., & Bouma H. (2010). ISG*IAGG: The 3 G's: Geriatrics, gerontology, and gerontechnology [abstract]. *Gerontechnology*, 9(2), 342.
- Gutman, G.M. (2010). Population ageing and apocalyptic demography: Separating fact from fiction. In L.B. Knudsen & A.L. Olsen (Eds.), *Our demographic future - a challenge: On the need for demographic analyses. Scandinavian Population Studies, Volume 14.* (pp. 11-36). Aalborg Oest, Denmark: Aalborg University Press.
- Gutman, G.M., Gorr, P., & Swan, J. (2010). The role of technology in emergency preparedness and response for seniors: Lessons learned and opportunities for innovation [abstract]. *Gerontechnology*, 9(2), 94.
- Gutman, G.M., Robinovitch, S.N., Marzencki, M., Menon, C., Livingston, N. & Beattie, B.L. (2010). Falls prevention, exoskeletons and wearable sensors: Gerontechnology R & D in British Columbia [abstract]. *Gerontechnology*, 9(2), 100.
- Gutman, G.M., & Symes, B. (2010). Building research capacity through web collaboration: The BCNAR experience [abstract]. *Gerontechnology*, 9(2), 101.
- Gutman G.M., Watts L., Colombo M., & Plaats J.J. van der (2010). ISG*INPEA Round Table: Gerontechnology as an elder abuse issue [abstract]. *Gerontechnology*, 9(2), 344.
- Hwang E., Park A., Lee B., Spicer V., & Sixsmith A.J. (2010). Spatial behavior of older adults in real and virtual environments [abstract]. *Gerontechnology*, 9(2), 221.
- Jutai, J., Demers, L., Mortenson, W.B., & DeRuyter, F. (2010). Measuring the effectiveness of assistive technology in community and home environments: capturing the perspectives of users and caregivers. [abstract]. *Gerontechnology*, 9(2), 116.
- Koehn, S., Spencer, C., & Hwang, E. (2010). Cultural and legal dimensions of sponsorship. In D. Durst & M. MacLean (Eds.), *Diversity and aging among immigrant seniors in Canada: Changing faces and graying temples.* Calgary, AB: Temeron Books.
- Marzencki, M., Zajiczek, L., Kaminska, B., & Sixsmith, A. (2010). Device-less capacitive indoors localization and activity tracking system," *NEWCAS Conference (NEWCAS), 2010 8th IEEE International* , pp.113-116.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5603716&isnumber=5603706>
- Mortenson W. (2010). The ethics of gerontechnology: From intervention study to implementation in practice [abstract]. *Gerontechnology*, 9(2), 142.
- Mortenson, W., Auger, C., Smith, C., Rushton, P., & Viswanathan, P. (2010). Wheelchair mobility in older adults. Are we ready to roll? [abstract]. *Gerontechnology*, 9(2), 137.
- Mortenson W., Demers L., Fuhrer M., DeRuyter F., Lenker J., & Jutai J. (2010). Impact of an assistive technology intervention on users and their caregivers: Initial findings [abstract]. *Gerontechnology*, 9(2), 118-119.
- Mortenson W., Miller W.C., Oliffe J.L., & Backman C.L. (2010). Wheelchair mobility among facility residents: Perils, pitfalls and promises [abstract]. *Gerontechnology*, 9(2), 137-138.
- Mortenson W., & Sixsmith A.J. (2010). Gerontechnology and residential care: Reducing or reproducing disability among individuals with cognitive impairment? [abstract]. *Gerontechnology*, 9(2), 144.
- Mueller, S., Delaney, S., Meyer, I., Sixsmith, A., Bierhoff, I., & Sproll, S. (2011). Iterative user involvement in ambient assisted living research and development processes: Does it really make a difference? In C. Rucker & M. Ziefle (Eds.), *E-health, assistive technologies and applications for assisted living: Challenges and solutions.* Hershey, PA: Medical Information Science Reference.
- Roush, R.E., & Gutman, G.M. (2010). Using preventive gerontechnological systems to monitor residents' behavior for health services during emergencies [abstract]. *Gerontechnology*, 9(2), 92.

- Roush, R.E., Hirst, S., Mazurik, L., & Gutman, G.M. (2010). Expanding the technology safety envelop for seniors to include disaster resilience [abstract]. *Gerontechnology*, 9(2), 91.
- Savage, R.M., & Campo, M. (2010). A conceptual paper: Demographics, diffusion theory, and ambient assisted living. Consumer market potential in the Canadian setting [abstract]. *Gerontechnology*, 9(2), 328.
- Sixsmith, A., & Gutman, G.M. (2010). Welcome to ISG's 7th World Conference on Gerontechnology. *Gerontechnology*, 9(2), 63.
- Sixsmith, A., Mueller, S., Lull, F., Klein, M., Bierhoff, I., Delaney, S., Byrne, P., Sproll, S., & Savage, R. (2010). A user-driven approach to developing Ambient Assisted Living systems for older people: The SOPRANO Project. In J. Soar, R. Swindell & P. Tsang (Eds.), *Intelligent technologies for bridging the grey digital divide*. Hershey, PA: Information Science Reference.
- Zimmerman, L. (2011). No country for old women? In S. Graydon (Ed.), *I feel great about my hands: And other unexpected joys of aging*. Vancouver, BC: Douglas & McIntyre.

B) In Press

- Chaudhury, H., Puurveen, G., & Lyle, J. (in press). Healing environments for dying. In M. Gott and C. Ingleton (Eds), *Living with ageing and dying: End of life care for older people*. Oxford, UK: Oxford University Press.
- Mitchell, B.A. (in press). Socialization. In L. Tepperman and P. Albanese (Eds.), *Sociology: A Canadian Perspective*, 3rd. ed. Toronto, ON: Oxford University Press.
- Muller, S., Mayer, I., Bierhoff, I., Delaney, S., Sixsmith, A., & Sproll, S. (in press). Iterative user involvement in AAL research and development processes - Does it really make a difference? In *Smart Healthcare Applications and Services*.

4. Reports, Briefs, Discussion Papers

A) Completed

- Wister, A.V., Fyffe, I., & O'Hagan, J. (2010). "Highlight Report: The 2010 Olympics Older Volunteer Project." (54 pp.). Vancouver, BC: Department of Gerontology, SFU.

B) In Press

None listed

5. Book Reviews, Editorials, and Magazine, Newsletter, and Newspaper Articles

A) Published

- Adams, R.G. (Ed.) (2010). *GRC News*, 29(1-3).
- Adams, R.G. (Ed.) (2010). *Seniors' Housing Update*, 29(1-2).
- Campo, M. (2010). Socializing in long-term care exploring the nature of social interaction among people with dementia. *GRC News*, 29(3), 3-5.
- Hwang, E. (2010). Mobility and aging. *Seniors' Housing Update*, 19(2), 6-7.
- Hwang, E., & Hackett, K. (2010). Age-friendly New Westminster: Wheelability assessment. *Seniors Housing Update*, 19(1), 11-12.

- Love, T., & Gutman, G.M. (2010). Reducing distraction in hospital bedrooms can help older adults learn post-discharge instructions. *Seniors Housing Update*, 19(1), 8-10.
- Mortenson, B. (2010). Ready to roll: Mobility and social participation among wheelchair users in residential care. *Seniors' Housing Update*, 19(2), 10-12.
- Nasvadi, G. (2010). Driving restrictions and aging: Increasing risk or preserving quality of life? *Seniors' Housing Update*, 19(2), 8-9.
- Spencer, C. (2010). Environmental scan and critical analysis of elder abuse screening, assessment and intervention tools for Canadian health care providers. *GRC News*, 29(3), 2.
- Wister, A.V. (2010). [Review of the book, S. Golant and J. Hyde (Eds.), *The assisted living residence: A vision for the future*. *Canadian Journal on Aging*, 29(2), 295-296.
- Wister, A.V. (2010). The gerontology community honours the life of John K. Friesen. *GRC News*, 29(2), 1-3.
- Wister, A.V. (2010). SFU gerontology collaborating on cutting edge human aging study. *GRC News*, 29(2), 4.
- Worsfold, B. (2010). Initiatives in in-service education in long term care facilities. *GRC News*, 29(3), 10.
- Yon, Y. (2010). Is elder abuse simply a case of spousal abuse grown old? *GRC News*, 29(1), 3-5.
- Zimmerman, L. (2010). 2010 Senior Leadership Award for Service. *GRC News*, 29(3), 10.

B) In Press

None listed

6. Electronic Media

None listed

7. Education Materials

None listed

8. Conference Presentations

- Bierhoff, I., Sproll, S., Müller, S., Avatangelou, E., Delaney, S., Byrne, P., Sixsmith, A.J., Kremen, P., Kouba, Z., Goossen, B., & Panis P. (2010, May). Making user-centred design a reality: Experiences from the NETCARTY and SOPRANO project. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Brown, L., Doering, K., & Frazee, K. (2010, September). Learning circles - From collaboration to culture change. Invited panel presentation at the Tapestry Foundation Geriatric Services Conference, Vancouver, BC.
- Campo, M., & Beringer, R. (2011, March). Untapped potential? Exploring the possibilities for older adult education within the realm of ambient assisted living. Presentation to "Imagining an old age with Gerontechnology: Educational implications of new technologies" (J. Brown (Convener)) at the 37th Annual Association for Gerontology in Higher Education (AGHE), March 17-20, 2011, Cincinnati, OH.
- Chaudhry, H. (2010, November). Invited discussant at Symposium "Interaction Settings in Institutions of Residential Care" (Co-Chairs: R. Rupprecht and F. Oswald) at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.

- Chaudhury, H. (2010, November). Invited speaker at AGHE Presidential Symposium "Environmental Transitions and the Meaning of Home in Old Age--Educational Perspectives" at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Chaudhury, H., & Cooke, H. (2010, November). Development of a physical environmental component of Dementia care Mapping (DCM) tool. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Bierhoff, I., Sixsmith A., & et al. (2010, May). Making user-centred designs a reality: Experiences from the NETCARCITY and SOPRANO projects. Paper presented at the 7th World Congress of the International Society for Gerontechnology (ISG2010), May 27-30, 2010, Vancouver, BC.
- Bronswijk, J.E.M.H. van, Franco, A., Gutman, G.M., & Bouma H. (2010). ISG*IAGG: The 3 G's: Geriatrics, gerontology, and gerontechnology. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Demers, L., Mortenson, W., Plante, M. Raymond, M-H., & CATOR (2010, October). Impacts des aides techniques auprès des usagers et de leurs proches-aidants: Résultats préliminaires Poster session presented at the Congrès International Francophone de Gériatrie et Gérontologie, Nice, France.
- Fitzgerald, K., Hirst, S., Gibson, M., Roush, R., Fisher, R., Gutman, G.M., Gorr, P., & Swan, J. (2010, December). A study of the roles and responsibilities of health practitioners of older adults in emergency management. Poster session presented at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Frazee, K. (2010, October). "Person-centred research" versus "research on person-centred care": Rethinking research practices in dementia-care environments. Poster session presented at the 11th Advances in Qualitative Methods Conference, Vancouver, BC.
- Frazee, K., & Chaudhury, H. (2010, September). The impact of environmental design on resident engagement during programmed group activities in dementia special care units. Poster session presented at the Tapestry Foundation Geriatric Services Conference, Vancouver, BC.
- Frazee, K., & Chaudhury, H. (2010, November). The Impact of therapeutic design on social engagement among residents with dementia during programmed activities in dementia care units. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Frazee, K., & Chaudhury, H. (2010, December). From loneliness to liveliness: How activity spaces and activity programming work together to support the psychological needs of residents with dementia in special care units. Invited symposium presentation at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Frazee, K., Humick, C., Lenartowicz, M., Mossman, J., & Zawaly, K. (2010, June). Interdisciplinary geriatric interest groups: Attracting and inspiring students in the field of aging. Poster session presented at the Annual NICE Knowledge Exchange, Toronto, ON.
- Gibson, M., Gorr, P., Swan, J., Gutman, G.M., Roush, R., Fisher, R., Mazurik, L., Hirst, S., Fitzgerald, K., & Kronfol, N. (2010, July). Activities of a voluntary, international, inter-professional, inter-sectoral partnership on emergency management and older adults. Presentation at the International Conference on Rebuilding Sustainable Communities with the Elderly and Disabled People After Disasters, July 12-15, 2010, University of Massachusetts, Boston, MA.
- Gibson, M., Kloseck, M., Gutman, G.M., & Cox, L. (2010, September). The eye of the beholder: How community-dwelling older Canadians perceive their risks and resources in emergencies and disasters. Poster session presented at the International Psychogeriatric Association 2010 International Meeting, September 26-29, 2010, Santiago de Compostela, Spain.
- Giesbrecht, E., Miller, W.C., & Mortenson, B. (2010, December). Prevalence and predictive factors of wheelchair seating need among long term care residents. Poster session presented at the

- 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Gutman, G.M. (2010, February). Climate change and its implications for design of age-friendly outdoor space. Presentation at the one-day symposium "An international perspective on the built environment for an aging population: Issues in maintaining access to outdoor space". Organized by I'DGO T00 project, February 16, 2011, Edinburgh College of Art, Edinburgh, Scotland.
- Gutman, G.M. (2010, May). Population ageing, urbanization and migration: Global trends and challenges for care of the elderly. Opening Keynote Address at the 4th Symposium on Social and Applied Gerontology in Turkey, May 28-30, 2010, Antalya, Turkey.
- Gutman, G.M. (2010, August). Developing age friendly health care services. Invited plenary address to the International Symposium on Elder-Friendly Health Care, August 28-30, 2010, Taipei, Taiwan. (Hosted by Bureau of Health Promotion, Dept. of Health, Government of Taiwan).
- Gutman, G.M. (2010, November). Income security in Canada & Other OECD Countries: Will inclusion in Millennium Development Goals eradicate poverty in old age? Presented in the symposium "Towards Eradicating Older Person's Poverty: A Human Rights' Perspective from the International Network for Prevention of Elder Abuse (INPEA)" at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Gutman, G.M. (2010, November). Seniors and emergency preparedness: Applying a senior-friendly lens to emergency planning in Canada. Presentation at the Pacific Northwest Preparedness Society 23rd Emergency Preparedness Conference, November 24, 2010, Vancouver, BC.
- Gutman, G.M. (2010, December). Emergency management and older adults: Milestones, road maps and under construction. Paper presented in a symposium on National Advocacy Initiatives to Support Older Adults at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Gutman, G.M. (2011, March). Active aging: Immigrants and age-friendly communities. Paper presented in workshop D-5 "How are immigrant seniors aging in Canada?" at the Metropolis 2011 National Conference, March 23-26, 2011, Vancouver, BC.
- Gutman, G.M., Gorr, P., & Swan, J. (2010, May). The role of technology in emergency preparedness and response for seniors: Lessons learned and opportunities for innovation. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Gutman, G.M., Robinovitch, S.N., Marzencki, M., Menon, C., Livingston, N., & Beattie, B.L. (2010, May). Falls prevention, exoskeletons and wearable sensors: Gerontechnology R & D in British Columbia. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Gutman, G.M., & Symes, B. (2010, May). Building research capacity through web collaboration: The BCNAR experience. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Gutman G.M., Watts L., Colombo M., & Plaats J.J. van der (2010, May). ISG*INPEA Round Table: Gerontechnology as an elder abuse issue. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Hirst, S., Fitzgerald, K., Roush, R., Gutman, G.M., & Gibson, M. (2010, December). Seniors, technology, and emergency management: From concept to use. Paper presented at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Hirst, S., Gibson, M., Roush, R., Gutman, G.M., Gorr, P., Swan, J., & Fitzgerald, K. (2010, December). Older Adults and Emergency Preparedness: Can PERS play a role? Paper presented at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.

- Hwang E., Park A., Lee B., Spicer V., & Sixsmith A.J. (2010, May). Spatial behavior of older adults in real and virtual environments. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Hwang, E., Sixsmith A., & et al. (2010, May). Spatial behavior of older people in real and virtual environments. Paper presented at the 7th World Congress of the International Society for Gerontechnology (ISG2010), May 27-30, 2010, Vancouver, BC.
- Kloseck, M., Gibson, M., Gutman, G.M., & Cox, L. (2010, December). A community development approach to fostering emergency preparedness with older adults in a NORC. Paper presented at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.
- Kloseck, M., Gutman, G.M., Gibson, M., & Cox, L. (2010, June). Involving seniors in emergency planning and preparedness: A community development approach. Presentation at the 20th World Conference on Disaster Management, June 20-23, 2010, Toronto, ON.
- Kloseck, M., Gutman, G.M., Gibson, M., & Cox, L. (2010, November). Active aging and emergency preparedness: Can the merger be achieved through a community development intervention? Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- McLean, A.M., & Mortenson, W.B. (2010, May). Lessons learned in teaching clinical reasoning to OT students. Paper presented at the 15th World Congress of the World Federation of Occupational Therapy, Santiago, Chile.
- Mahmood, A., Chaudhury, H., Michael, Y., & Campo, M. (2010, June). Use of photovoice method to understand the role of neighborhood environment and physical activity in older adults. Paper presented at the Annual conference of the Environmental Design Research Association (EDRA), June 2-6, 2010, Washington DC.
- Mahmood, A., Chaudhury, H., Michael, Y., Campo, M., & Hay, K. (2010, November). Neighborhood environmental characteristics and physical activity in older adults: A pilot project using photovoice methods. Paper presented at the annual conference of the Housing Education and Research Association (HERA), November 2-6, 2010, Portland, OR.
- Mahmood, A., Chaudhury, H., Michael, Y., Campo, M., Sarte, A., & Hay, K. (2010, November). Linking active aging and neighborhood environment: Using photovoice method. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Mitchell, B.A. (2010, November). Generational balancing acts: Socio-cultural contexts of midlife family caregiving. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Mitchell, B.A. (2011, March). Caught between the generations? Gendered and cultural aspects of midlife family care-giving." Paper presented at the 82nd Annual Meeting of the Pacific Sociological Association, 13 March 2011, Seattle, WA.
- Mortenson W. (2010, May). The ethics of gerontechnology: From intervention study to implementation in practice. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Mortenson W., Demers L., Fuhrer M., DeRuyter F., Lenker J., & Jutai J. (2010, May). Impact of an assistive technology intervention on users and their caregivers: Initial findings. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Mortenson, W.B., Demers, L., Jutai, J., Fuhrer, F., Lenker, J., DeRuyter, F. (2010, October). Impacts of assistive technology interventions on informal caregivers of adults with chronic physical impairments:

- A systematic review. Paper presented at the American Congress of Rehabilitation Medicine-American Society of Neurorehabilitation Conference, Montreal, PQ.
- Mortenson, W.B., Demers, L., Roy, L., Lenker, J., Jutai, J., Fuhrer, M., Deruyter, F. (2010, June). Efficacy of a user-caregiver assistive technology intervention: Preliminary results. Paper presented at the Canadian Association of Occupational Therapists National Conference, Halifax, NS.
- Mortenson, W.B., Miller, W.C., Backman, C.L. & Oliffe, J.L. (2010, May). Predictors of the frequency of engagement in occupation among long-term care residents who use wheelchairs as their primary means of mobility. Paper presented at the 15th World Congress of the World Federation of Occupational Therapy, Santiago, Chile.
- Mortenson W., Miller W.C., Oliffe J.L., & Backman C.L. (2010, May). Wheelchair mobility among facility residents: Perils, pitfalls and promises. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Mortenson W., & Sixsmith A.J. (2010, May). Gerontechnology and residential care: Reducing or reproducing disability among individuals with cognitive impairment? Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Naslund, J., Sauter, A., Beattie, B.L., & Gutman, G.M. (2010, July). The impact of cognitive decline on health service utilization costs during transition from community to institutional living. Posters session presented at the 10th Alzheimer's Association International Conference on Alzheimer's Disease, July 10-15, 2010, Honolulu, HI.
- O'Rourke, N., (2010, August). Depressive symptoms among older husbands and wives over time. Paper presented at the annual meeting of the 119th Annual Convention of the American Psychological Association, August 4-7, 2010, Washington, DC.
- O'Rourke, N., & Claxton, A. (2010, August). Life satisfaction over time among long-wed older couples. Poster session presented at the annual meeting of the 119th Annual Convention of the American Psychological Association, August 4-7, 2011, Washington, DC.
- O'Rourke, N., & Kupferschmidt, A.L. (2010, July). Psychological resilience as a predictor of well-being among spouses of persons with dementia. Paper presented at the International Congress of Applied Psychology, Melbourne Australia.
- O'Rourke, N., Polchenko, N., Bachner, Y.G., Carmel, S., & Cappeliez, P. (2010, August). Psychometric properties of responses by older adults to an abridged version of the Reminiscence Functions Scale. Poster session presented at the annual meeting of the 119th Annual Convention of the American Psychological Association, August 4-7, 2011, Washington, DC.
- Paterson, T.S., O'Rourke, N., & Thornton, W.J. (October, 2010). An examination of the factor structure of responses to the CES-D in chronic kidney disease patients. Poster session presented at the National Academy of Neuropsychology, October 13-16, 2010, Vancouver, BC.
- Roush, R.E., & Gutman, G.M. (2010, May). Using preventive gerontechnological systems to monitor residents' behavior for health services during emergencies. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Savage, R.M., & Campo, M. (2010, May). A conceptual paper: Demographics, diffusion theory, and ambient assisted living. Consumer market potential in the Canadian setting. Presentation at the 7th World Conference of the International Society for Gerontechnology (ISG), 27-29 May 2010, Vancouver, BC.
- Sixsmith, A. (2010, November). Technology for active aging. Presentation at the 2nd Conference on Positive Aging, November 26-27, 2010, Vancouver, BC.
- Sixsmith, A. (2010, May). Technologies for active aging and health. Presentation at the First SFU Health Research Day, 12 May 2011, Burnaby, BC.

- Sixsmith, A., Orpwood, R., & Torrington, J. (2010, May). Developing a music player for people with dementia. Paper presented at the 7th World Congress of the International Society for Gerontechnology (ISG2010), May 27-30, 2010, Vancouver, BC.
- Theurer, K. & Wister, A.V. (2010, November). The development and process evaluation of a mutual support group in long-term care facilities. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Wister, A.V. (2010, January). Healthy images, unhealthy food: The reconstruction of the fast food industry. Paper presented at the 8th Annual Hawaii International Conference on Arts and Humanities, 13-16 January 2010, Hawaii.
- Wister, A.V. (2010, November). A comparison of older and middle-aged volunteers at the 2010 Winter Olympics: Health and burnout. Paper presented at the 63rd Annual Scientific Meeting of the Gerontological Society of America, November 19-23, 2010, New Orleans, LA.
- Zimmerman, L. (2010, December). Spotlight on images of aging. Presentation at the pre-conference symposium at the 39th Annual Scientific and Educational Meeting, Canadian Association on Gerontology, December 2-4, 2010, Montreal, QC.

9. Public Information Material

Puffer, D., & Spencer, C. (2010, October). "Practical and ethical considerations in dealing with older donors." Presentation to the Association of Fundraising Professionals, October 21, 2010, Vancouver, BC.

Gerontology Research Centre Information Centre (GRCIC) Report 01 April 2010 – 31 March 2011

The GRCIC was managed for the fiscal period of **01 April 2010 – 31 March 2011** by **Information Officer (I.O.) Raymond G. Adams, BA, MLIS**.

Collection Development and Maintenance – SFU and GRC

The I.O. co-directs collection development and administration of the **SFU Library Materials Budget for Gerontology**, with **Nina Smart** (Gerontology Liaison Librarian, SFU Belzberg Library).

As detailed in last year's report, the challenge of a reduced SFU library materials budget for Gerontology continued in fiscal year 2010-2011. A review of the SFU Library Materials Budget for Gerontology for the last decade illustrates how the current budget for fiscal year 2010-2011 declined to a level below that of 1999 (all figures are derived from the individual online SFU LIBRARY MATERIALS BUDGET webpages – see for example, <http://www.lib.sfu.ca/collections/materials-budget/materials-budget-2010-2011>):

1999-2000: TOTAL \$24000
 2000-2001: TOTAL \$26300
 2001-2002: TOTAL \$26600
 2002-2003: TOTAL \$29800
 2003-2004: TOTAL \$28050
 2004-2005: TOTAL \$27800
 2005-2006: TOTAL \$35700
 2006-2007: TOTAL \$38900
 2007-2008: TOTAL \$40100

2008-2009: TOTAL \$35000

2009-2010: TOTAL \$22100

2010-2011: TOTAL \$22100

Materials selection entails the I.O. reviewing publisher's print and online catalogues and - with the advice of Centre and Department researchers - advising the SFU Gerontology Liaison Librarian which titles to purchase to meet the needs of gerontology students and researchers. The I.O. reviewed over **421 titles** during this fiscal time period and selected **115 new books** for the SFU library gerontology collection held primarily at Belzberg Library (SFU Vancouver campus). It remains to be seen if economic necessity will create the need for further reductions in future SFU Gerontology acquisition budgets.

The I.O. is also responsible for ongoing maintenance, organization, and collection development of the **Imperial Oil Gerontology Research Collection** held in the Gerontology Research Centre. The current collection stands at about 2500 items with 127 titles comprising the AV collection and 360 titles in PDF-format. Titles held in electronic format represent an increase of 20% over last year due to a major initiative taken by the I.O. to digitize GRC publications as described in detail below under the OAI Initiative.

Information Dissemination

The dissemination of information is a major I.O. function. Information dissemination serves a vital function by assisting Centre faculty, researchers and students in achieving their research goals. As well, by providing information dissemination service to those outside of the Centre, the I.O. increases the Centre's – as well as SFU's – public profile. During this fiscal year, the I.O. handled **1527** in-person, email, and telephone requests for information or assistance. Those seeking information are divided into the following categories:

Information Request Source	# Requests
GRC	941
GERO-DEPT	222
SFU Researcher	228
SFU Student	43
Non-SFU researcher	6
Non-SFU student	3
BCNAR	47
Government agency	2
Community service org.	15
Business	1
Media	8
Other	11
TOTAL:	1527

The I.O. provides a variety of services to fill requests including: instruction on library use and database searching; arranging inter-library loans; as well as personally conducting over **536** searches of electronic databases such as AgeLine, Medline, PsycINFO, Sociofile and the Internet and delivering articles and information directly to those requesting information.

Centre / Department Activities Assistance

The I.O. also assists with GRC/DEPT tasks and projects. In preparation for the GRC hosting the upcoming Canadian Association on Gerontology (CAG2012) conference, the I.O. created a list of CAG and Gerontological Society of America conference themes held over the last 10 years. As well, the I.O. assists by advising who should be contacted at various SFU units (e.g., Document Solutions, LIDC, Computing Services, etc.) and, when required, coordinating efforts with these other units to achieve project tasks.

Centre/Department Publications Lists and Annual Report Activities Records

The I.O. maintains lists of Centre and Department publications in the categories representing the Centre's research activity areas. These publication lists are converted to PDF-format and placed on the GRC's website. As well, the I.O. maintains records used in the compilation of the Centre's Annual Report.

Education, Training and Orientation Services

The I.O. provides upon request orientation and instruction to new researchers and graduate students in the use of gerontology-specific SFU Library research tools such as online catalogues and databases.

Editing Centre Publications and Special Events Documents

The I.O. helps compile, co-author, and edit: **Centre publications** (e.g., the *Fact Book on Aging in British Columbia*, 5th ed.), **documents** (e.g., the *GRC Annual Report*), as well as **special event programs and brochures** (e.g., the Annual John K. Friesen Conference, the Senior Leadership Award, and the Ellen Gee Memorial Lecture Series).

Newsletters: *GRC News* and *Seniors' Housing Update*

The I.O. is responsible for the production and distribution of the Centre's two newsletters, ***GRC News*** and ***Seniors' Housing Update (SHUP)*** which are issued three times per year. The joint-mailing of our newsletters was continued this fiscal year as it has more than doubled ***SHUP's*** circulation thereby increasing the public profile of the Centre's research in the areas of 'Built Environment' and 'Technology and Aging.' The I.O. assembles and edits material for the issues that are written by Centre researchers, students, and contributors; works with a contracted professional layout-artist (Jocelyne LaFlamme), and coordinates printing (SFU Document Solutions) and mail-out (Mail-O-Matic).

Website Design and Maintenance - A vital link: within our Centre/Department, with other SFU communities, and the world-at-large!

The I.O. maintains three websites as well as collecting statistics on their use: the **Gerontology Research Centre website**; the **Department of Gerontology website**; and the **Dr. Tong Louie Living Lab website**. During this fiscal year, the I.O. was responsible for making **267 changes** to the GRC website, **223 changes** to the Department website, and **8 changes** to the Living Lab website. The websites include: profiles of faculty and researchers, their research interests and information on their publications; Gerontology-course webpages (created for those faculty who do not want to utilize the SFU WEB-CT system) that include lectures, assignments, and course grades; lists of GRC/DEPT publications and conference presentations in our major research areas; and SPECIAL EVENT webpages – **Free Public Lectures, the**

Annual John K. Friesen Conference, the Senior Leadership Award, and the Ellen Gee Memorial Lecture Series.

As part of the GRC's and Gerontology Department's '**Knowledge Transfer Strategy**' (KTS) the I.O. has created links to relevant **ONLINE NEWS ITEMS** and mounted in PDF-format **CENTRE NEWSLETTERS, THESES, and CENTRE PUBLICATIONS**. Online news items are categorized under '**GRC-in-the-News**' (news interviews with GRC researchers), '**Department-in-the-News**' (news interviews with Department faculty), and '**Aging-in-the-News**' (general news items dealing with aging issues). The I.O. posts our newsletters - **GRC News** and the **Seniors' Housing Update** (described above); presentations made at our various special events (noted above); and theses written by SFU Gerontology graduates. An exciting new KTS project initiative just completed by the I.O. involved SFU Library's Open Access Initiative (OAI) that is discussed below.

The I.O. feels that our various KTS initiatives have been successful as confirmed by SFU-generated statistics that show an ever-increasing number of visits to our GRC and Department websites over the last several years: **GRC website – 435,462 visitors (an increase of: 10% over 2009-2010; 39% over 2008-2009; and 152% over 2005-2006!)**; **Gerontology Department website – 657,637 visitors (an increase of: 22% over 2009-2010; 91% over 2008-2009; and 294% over 2005-2006!)**. The **Living Lab website** received **11,837 visitors** during this fiscal year. These statistics also showed that our theses posted on the Department website were accessed 180 times during this past fiscal year (this figure does not include those accessed directly through SFU Library).

SFU OPEN ACCESS INITIATIVE

In fiscal year 2009-2010, the I.O. along with Dr. Gloria Gutman (founding Director of the GRC), initiated discussions with SFU Associate University Librarians - Brian Owen/Processing and Systems and Gwen Bird/Collection Services - to be a part of the SFU Open Access Initiative (OAI) Project that entails converting print-publications produced by SFU faculty, researchers, staff and students to PDF-format. They both shared our enthusiasm to digitize print-publications that the GRC had produced over the past +25 years and make them available on the internet through SFU Library and our own GRC website. After writing a successful grant application request for \$3700.00, the I.O. began working with Donald Taylor/Assistant Head, Access Services, SFU Library to achieve our goal of digitizing our publications. The I.O.: selected 63 GRC publications; arranged to have them shipped to SFU Document Solutions for digitizing; hired a professional Library Technician to catalog and create the required meta-data for the SFU Library 'Communities in DSpace' website; and oversaw final uploading of the PDF-files. As well, the I.O. created a webpage for the GRC website on which duplicate PDF-files were loaded (http://www.sfu.ca/grc/research/grc_reports_and_pubs_archives/). The GRC is proud to have been a major contributor to the OAI project as a scan of the number of titles we have digitized compared with other members of the 'Communities in DSpace' shows (<http://ir.lib.sfu.ca/>).

Committee Service

The I.O. serves as the Gerontology Research Centre's representative on the **SFU Faculty of Arts Library Users' Committee (FALUC)**.

Submitted by Raymond G. Adams, B., MLIS, Information Officer, Gerontology Research Centre, 2011.

Contractual Obligations

Agency Name	Project Title	Duration	Amount
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Currently there are no contractual obligations listed with Gerontology Research Centre

Financial Statements

SFU

Account Number	Information	Comments & Download
21-210063	Opening Balance	\$30,618
	Expenditures	\$ 137,462
	Revenue	\$ 134,432
	Closing Balance	\$ 27,588
		Wages & benefits accounted for most of the expenditures: \$ 106,876. Wages were lower than previous years because a post doc position was vacant for part of the year.
		Download

University Resources

Space 6 offices and a common area for the GRC library collection at Harbour Centre

Personnel 1 administrative teaching release/semester for Andrew Sixsmith

Equipment -

Funds -

***Gerontology Research Centre Annual Report prepared by,
Raymond G. Adams, B.A., M.L.I.S., Information Officer, Gerontology Research Centre, 2011***