



DIALOGUE ON AGING

CENTRE ON AGING'S
33RD ANNUAL SPRING RESEARCH SYMPOSIUM

May 2, 2016

8:45 am–4:00 pm

Bannatyne Campus
Frederic Gaspard Theatre,
Theatres B and C

May 3, 2016

8:30 am–12:00 pm

Fort Garry Campus
E3-262 Engineering & Information
Technology Complex (Senate
Chambers)

Centre on Aging



UNIVERSITY
OF MANITOBA

PROGRAM AT A GLANCE

Day 1: Monday, May 2, 2016

8:00 a.m.	Registration (located in Brodie Centre)		
8:45 a.m.–9:15 a.m.	Welcome and greetings Frederic Gaspard Theatre		
9:15 a.m.–10:30 a.m.	ROBERT AND ELIZABETH KNIGHT DISTINGUISHED VISITOR <i>Disrupting the technology and aging landscape: New technology and approaches</i>		
10:30 a.m.–11:00 a.m.	Morning break in Brodie Centre Atrium View posters in the Brodie Atrium		
11:00 a.m.–12:00 p.m. CONCURRENT SESSIONS	<i>Changes in mental health with age: Is it the best of times or the worst of times?</i> Frederic Gaspard Theatre	<i>How may I assist you? Using assistive technology to improve the quality of life for older adults</i> Theatre B	<i>Geriatric rehabilitation: How walking volume and walking patterns in hospital compare with those measured after discharge</i> Theatre C
12:00 p.m.–1:00 p.m.	LUNCH Located in the Joe Doupe concourse for those who have pre-registered View posters in the Brodie Atrium; Demo projects in 204 Brodie		
1:00 p.m.–1:15 p.m.	Student and Research Fellowship awards, Graduate Specialization in Aging announcements		
1:15 p.m.–2:30 p.m.	<i>Changing perceptions of aging and health in Manitoba and around the world</i> Frederic Gaspard Theatre		
2:30 p.m.–3:00 p.m.	Afternoon break View posters in the Brodie Atrium; Demo projects in 204 Brodie		
3:00 p.m.–4:00 p.m. CONCURRENT SESSIONS	<i>Early detection of Alzheimer's and non-medication treatment options</i> Frederic Gaspard Theatre	<i>I can think of Bette, and the tears just come: Hollywood, cinema memory, and emotional spectatorship</i> Theatre B	<i>Assistive technology: Wheelchair mobility in winter environments</i> Theatre C
4:00 p.m.	Day 1 symposium concludes Evaluation and adjournment		
	Return evaluation forms and name tags to registration table in Brodie Centre		

Lecture theatre notes

To assist symposium attendees with locating rooms, signs have been placed around campus that will direct you to the different lecture rooms. Outlined below are the corresponding directions to the different symposium presentation rooms on Bannatyne campus. Additionally, campus maps can be found on pages 19–21.

Frederic Gaspard Theatre	Located in Basic Medical Sciences Building; access through main or upper level—Follow red signs
Theatre B	Located in Basic Medical Sciences Building; access through first and second floors—Follow green signs
Theatre C	Located in Basic Medical Sciences Building; access through first and second floors—Follow blue signs

MONDAY, MAY 2, 2016: SYMPOSIUM PRESENTATIONS

8:45–9:15 a.m

Welcome and greetings

Michelle Porter, Ph.D., Director, Centre on Aging; Professor, Faculty of Kinesiology and Recreation Management

David T. Barnard, Ph.D., President and Vice-Chancellor, University of Manitoba

OPENING PLENARY | 9:15–10:30 am

ROBERT AND ELIZABETH KNIGHT DISTINGUISHED VISITOR

Disrupting the technology and aging landscape: New technology and approaches

9:15–10:30 a.m.

**Frederic Gaspard
Theatre**

PRESENTER

- **Alex Mihailidis, Ph.D., P.Eng., Barbara G. Stymiest Research Chair in Rehabilitation Technology at Toronto Rehabilitation Institute – UHN/ University of Toronto; Associate Professor, Department of Occupational Science and Occupational Therapy, Institute of Biomaterials and Biomedical Engineering, University of Toronto; and Principal Investigator and a joint Scientific Director of AGE-WELL.**

There has been significant research completed on the development of technologies to support the wellness of older adults. However, the majority of these devices have not made it to market and suffer from various limitations that make them inappropriate for an older adult to operate efficiently and effectively. In order to ensure that future technologies for aging are useful, new ways of thinking about their designs is required. Disruption in the current technology landscape is needed that will force the way that we think about the design of these technologies to change. This presentation will discuss the notion of disruptive technologies and how we are currently applying this concept in the design of our next generation of technologies for older adults.

10:30–11:00 a.m.

Morning break in Brodie Atrium

Light refreshments will be served in the Brodie Atrium by the poster boards

View research posters in the Brodie Atrium

CONCURRENT SESSIONS | 11:00 am–12:00 pm

Frederic Gaspard Theatre

Changes in mental health with age: Is it the best of times or the worst of times?

PRESENTER

**Corey Mackenzie, Ph.D., C.Psych, Professor & Director of Clinical Training,
Department of Psychology, University of Manitoba**

SESSION CHAIR

**Cara Brown, Ph.D. student, Department of Community Health Sciences,
College of Medicine**

Aging is associated with general improvements in mental health, but also with mental health challenges. This presentation will review evidence from diverse perspectives aimed at helping us understand how emotional health changes across the adult lifespan.

Theatre B

How may I assist you? Using assistive technology to improve the quality of life for older adults

Note: There will be three separate presentations related to assistive devices during this session

PRESENTERS

- **Music and Memory**

Ellen Locke, B.A., BRS – Manager, Recreation Services, Misericordia Health Centre

The Music and Memory iPod Project at the Misericordia Health Centre was the first certified program in a Long Term Care Facility in Western Canada. Ellen explains that staff, students and volunteers work with residents and their families to compile an individualized list of songs that are meaningful to the resident. Our residents share intimate time listening to the music with our Music and Memory Facilitators. The songs can trigger many different memories which allow the residents the opportunity to reminisce and connect through music.

- **Assistive Technology Product and Services (ATPS)**

Cherry Nixdorf, O.T. Reg. (MB), Assistive Technology Products and Services (ATPS), Health Sciences Centre

Cherry has specialized knowledge and training in providing assessments and recommendations for assistive technology (AT) devices, specifically, alternative computer solutions, Electronic Aids to Daily Living (EADLs) and specialty drive controls to operate a power wheelchair. The team at ATPS include 3 machinists, 2 occupational therapists, an electronics technician, an electronics technologist, and an AT helper who all work together to provide unique solutions for clients who require various AT devices to help them improve their quality of life.

- **Communication Devices Program—Assistive technology products and services**

Stacey McRuer MOT, OT Reg. (MB) Deer Lodge Centre

The Communications Devices Program (CDP), located at Deer Lodge Centre provides Speech Generating Devices (SGD) to eligible Manitobans. Stacey will provide information on these devices, electronic communication tools that augment or replace spoken language. SGDs can support increased independence and quality of life for individuals with severe communication impairments.

SESSION CHAIR

Barbara Borges, Ph.D. student, Faculty of Education

Theatre C

Geriatric rehabilitation: How walking volume and walking patterns in hospital compare with those measured after discharge

PRESENTER

Sandra Webber, Ph.D., MSc(Rehab), BMR(PT), Assistant Professor, Department of Physical Therapy, College of Rehabilitation Sciences, University of Manitoba

SESSION CHAIR

Shauna Zinnick, Master's student, Department of Community Health Sciences, College of Medicine

Reduced levels of mobility associated with acute hospitalization frequently result in functional decline, further disability, and additional health problems in older adults. The amount of walking done in the first week at home has been shown to predict the need for hospital readmission. Patients in geriatric rehabilitation tend to have more co-morbidity, longer lengths of stay and more exposure to rehabilitation compared to acute care. Initial results from this first study monitoring ambulation in a geriatric rehabilitation setting and during the first week at home will be presented.

LUNCH | 12:00–1:00 PM

12:00–1:00 p.m.

Lunch in Joe Doupe Concourse for those who have pre-registered

View research posters in the Brodie Atrium and demonstration projects in 204 Brodie

AWARD PRESENTATIONS | 1:00–1:15 p.m.

1:00–1:15 p.m.

Research Fellowship presentation

- Dr. Kathryn Sibley

Student awards and Graduate Specialization in Aging presentations

Centre on Aging 2016–2017 student awards

- Maia Kredentser, Betty Havens Memorial Graduate Fellowship
- Brooke Beatie, Jack MacDonell Scholarship for Research in Aging
- Megan Siemens, Esther and Samuel Milmot Scholarship

2016–2017 Alzheimer Society of Manitoba fellowships

- Cassandra Aldaba
- Audrey Katako

Centre on Aging Graduate Specialization in Aging certificate

- Oksana Harasemiw
- Maryam Alshammari

For more information, see page 16 for descriptions

AFTERNOON PLENARY | 1:15–2:30 p.m.

**Frederic Gaspard
Theatre**

Changing perceptions of aging and health in Manitoba and around the world

PRESENTERS

- **Jim Hamilton, MSc, MPA, Associate Director (Community Engagement), Centre on Aging, University of Manitoba**
- **Michael Routledge, M.D., MSc, CCFP, FRCPC, Manitoba Chief Provincial Public Health Officer**

DISCUSANT

- **Philip St. John, M.D., MPH, FRCPC, Cert. Spec. Comp. Ger. Med., Associate Professor, Section of Geriatric Medicine, College of Medicine, University of Manitoba**

SESSION CHAIR

Michelle Porter, Ph.D., Director, Centre on Aging; Professor, Faculty of Kinesiology and Recreation Management

The World Health Organization's *World Report on Ageing and Health* (October 2015) recommends profound changes in the way health policies for aging populations are formulated and services are provided. The *2015 Health Status of Manitobans Report: Healthy Environments, Healthy People* contains a chapter on older adults which notes the importance of social engagement, age-friendly communities and positive attitudes toward aging, in promoting health.

Dr. Michael Routledge, Chief Provincial Public Health Officer and author of the Manitoba report and Jim Hamilton, Associate Director, Centre on Aging and member of the WHO's Strategic Advisory Committee on the Global Network of Age-friendly Cities and Communities will share perspectives from both reports. This session will explore challenges and opportunities in promoting the health and well being of older Manitobans, recognizing that healthy aging is a lifelong process of optimizing opportunities for improving and preserving health.

AFTERNOON BREAK

2:30–3:00 p.m.

Afternoon break

View research posters in the Brodie Atrium and demonstration projects in 204 Brodie

NOTE : Food is available for purchase at the various food vendors in Brodie Centre and Health Sciences Centre

CONCURRENT SESSIONS | 3:00–4:00 p.m.

**Frederic Gaspard
Theatre**

Early detection of Alzheimer's and non-medication treatment options

PRESENTER

Zahra Moussavi, Ph.D., P.Eng., Canada Research Chair in Biomedical Engineering; Director, Biomedical Engineering Program; Professor, Department of Electrical & Computer Engineering, University of Manitoba

SESSION CHAIR

Barbara Tallman, Ph.D. student, Applied Health Sciences Program, Faculty of Graduate Studies

In this talk, the results of a novel immersive virtual reality experiment to detect onset of probable Alzheimer's will be presented followed by results of a pilot study on the application of repetitive Transcranial Magnetic Stimulation (rTMS), and the results of two case studies of a novel neuro-cognitive treatment in immersive virtual reality environment.

Theatre B

I can think of Bette, and the tears just come: Hollywood, cinema memory, and emotional spectatorship

PRESENTER

Brenda Austin-Smith, Ph.D., Associate Professor, Head of the Department of English, Film, and Theatre, University of Manitoba

SESSION CHAIR

Megan Ferguson, Undergraduate student, Faculty of Social Work

This talk (with illustrations from classic Hollywood films) shares some of the results of interviews with women viewers of what was once called "the woman's film," or the "weepie." Viewers aged between 20–82 participated in focus groups and semi-structured interviews intended to explore the responses of women to a genre of film often derided for its melodramatic plots and emotionally manipulative sequences. In an era of research that studies the 'resistance' of audiences to the power of media, this project focusses on viewers who give in to the blandishments of Hollywood in order to discover how spectators from different generations understand these images, especially in the light of the 20th century's changing gender roles.

Theatre C

Assistive technology: Wheelchair mobility in winter environments

PRESENTER

Jacquie Ripat, Ph.D. M.Sc., B.M.R. (OT), Associate Professor, Department of Occupational Therapy, University of Manitoba

SESSION CHAIR

Andrew Stammers, Master's student, Faculty of Kinesiology and Recreation Management

Dr. Jacquie Ripat will speak about her research on the needs of users of assistive technologies and how these technologies promote assistive technology users' participate in occupations and their communities. In this presentation, she will focus on developments to reduce the challenges of wheelchair mobility in winter.

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www.facebook.com/CentreOnAging.umanitoba

PRESENTER BIOGRAPHIES

ROBERT AND ELIZABETH KNIGHT DISTINGUISHED VISITOR

MORNING PLENARY PRESENTER | 9:15–10:30 am

Alex Mihailidis, Ph.D., P.Eng.

Alex Mihailidis is the Barbara G. Stymiest Research Chair in Rehabilitation Technology at Toronto Rehabilitation Institute – UHN/University of Toronto. He is an Associate Professor in the Department of Occupational Science and Occupational Therapy and at the Institute of Biomaterials and Biomedical Engineering at the University of Toronto (U of T), as well as holds a cross appointment in the Department of Computer Science at the U of T. His research disciplines include biomedical and biochemical engineering, computer science, geriatrics and occupational therapy. Alex is an internationally recognized researcher in the field of technology and aging. He has published over 150 journal and conference papers in this field and co-edited two books: *Pervasive computing in healthcare* and *Technology and Aging*. Dr. Mihailidis is very active in the rehabilitation engineering profession and is currently the President for the Rehabilitation Engineering and Assistive Technology Society for North America (RESNA). He is the Principal Investigator and a joint Scientific Director of AGE-WELL.

CONCURRENT SESSION PRESENTERS | 11:00 am–12:00 pm

Corey S. Mackenzie, Ph.D., C. Psych.

Corey Mackenzie, Ph.D., C. Psych., is a Clinical Psychologist, Professor and Director of Clinical Training in the Department of Psychology at the University of Manitoba, and a Research Affiliate with the University of Manitoba's Centre on Aging. His research, clinical, and teaching interests focus on older adults' mental health. Three lines of research, that are being explored in his Mental Health and Aging laboratory, are investigating ways of improving the mental health of older individuals. Using both primary quantitative and qualitative methods, and secondary analyses of national population surveys, research in his lab aims to: (a) understand how age affects mental health, (b) enhance older adults' access to mental health services, and (c) help individuals cope with stress when caring for older adults with dementia.

Sandra Webber, Ph.D., MSc(Rehab), BMR(PT)

Dr. Sandra Webber is an Assistant Professor in the Department of Physical Therapy, College of Rehabilitation Sciences at the University of Manitoba. She was appointed as a Research Affiliate to the Centre on Aging in 2013. She received her Master of Science (Rehabilitation) and Ph.D. (Interdisciplinary Program) from the University of Manitoba. Dr. Webber's current research interests include studying:

- Ambulation, physical activity and sedentary behaviour in older adults, individuals with chronic diseases, and healthy populations
- Functional performance before and after total joint replacement
- Objective measurement of physical activity and sedentary behaviour
- Exercises and everyday activities important for bone health

Ellen Locke, B.A., BRS

Ellen Locke is the Manager of Recreation Services at Misericordia Health Centre.

Cherry Nixdorf, O.T. Reg. (MB) - Health Sciences Centre

Cherry has specialized knowledge and training in providing assessments and recommendations for assistive technology (AT) devices, specifically, alternative computer solutions, Electronic Aids to Daily Living (EADLs) and specialty drive controls to operate a power wheelchair.

Stacey McRuer MOT, OT Reg. (MB) Deer Lodge Centre

Stacey McRuer is an Occupational Therapist in the Assistive Technology Products and Services at Deer Lodge Centre.

AFTERNOON PLENARY PRESENTERS | 1:00–2:30 pm

Michael Routledge, M.D., MSc, CCFP, FRCPC

Michael Routledge received his M.D./BSc (Med) from the University of Manitoba in 1998, Certification from the College of Family Physicians of Canada in 2001, and Fellowship in Community Medicine (now Public Health and Preventive Medicine) from the Royal College of Physicians and Surgeons in 2004. He completed a Master's of Science in Community Health Sciences at the University of Manitoba in 2004.

From 2004–2007, he worked as a Medical Officer of Health in the Office of the Chief Medical Officer of Health with Manitoba Health. In 2007, he moved to the Winnipeg Regional Health Authority, dividing his time as a Medical Officer of Health in Population and Public Health and as the Medical Director for the WRHA Home Care program. In 2010, he was appointed Medical Director of the WRHA Population and Public Health Program. In 2012, he was appointed Manitoba's Chief Provincial Public Health Officer.

He has been an Assistant professor in the Department of Community Health Sciences, Faculty of Medicine at the University of Manitoba since 2004, where he is involved in a number of aspects related to teaching and research.

He worked as an emergency room physician from 2001–2003, and practiced Family Medicine from 2001–2014 in Winnipeg.

Jim Hamilton

As Associate Director (Community Engagement), Jim collaborates with governments, senior serving organizations, seniors and other key stakeholders in Manitoba, in Canada and internationally, to foster effective partnerships in support of the work of the Centre.

For over 30 years Jim provided leadership for the Government of Manitoba in community and regional development, recreation and health promotion. For ten years, he led their Seniors and Healthy Aging Secretariat, addressing a wide range of complex policy issues across government and with the broader community.

Through an executive interchange, Jim spent two years as a Special Advisor to the Public Health Agency of Canada, consulting with provincial and territorial governments on healthy aging and age-friendly communities. He continues to sit on the World Health Organization's Strategic Advisory Committee in developing their global network of age-friendly cities and communities.

Jim holds a Bachelor of Arts (Recreation Administration) from the University of Alberta, a Masters Degree in Therapeutic Recreation and a second Masters Degree in Public Policy and Management, both from the University of Oregon.

Philip St. John, M.D., MPH, FRCPC, Cert. Spec. Comp. Ger. Med.,

Dr. Philip St. John is the Department Head of the Section of Geriatrics in the Department of Internal Medicine with a cross-appointment in the Department of Family Medicine, College of Medicine, University of Manitoba. He is the Manitoba Site Co-Principal Investigator for the Canadian Longitudinal Study on Aging (CLSA) and a Research Affiliate of the Centre on Aging. Dr. St. John's research interests include rural health and the epidemiology of cognitive impairment and depression.

CONCURRENT SESSION PRESENTERS | 3:00–4:00 pm

Zahra Moussavi, Ph.D., P.Eng

Dr. Zahra Moussavi received her B.Sc. from Sharif University of Technology, Iran, M.Sc. from the University of Calgary, and Ph.D. from University of Manitoba, Canada in 1997, all in Electrical Engineering. She then joined the respiratory research group of the Winnipeg Children's Hospital and worked as a research associate for 1.5 years. In 1999, she did her postdoctoral fellowship at the Biomedical Engineering Department of Johns Hopkins University. Following that, she joined the University of Manitoba, Department of Electrical and Computer Engineering as a faculty member, where she is currently a full professor, a Canada Research Chair in Biomedical Engineering and also the director of Biomedical Engineering Graduate Program. She is a research affiliate at Riverview Health Centre and the Centre on Aging at the University of Manitoba, and also an advisory board member for Heart and Stroke Foundation in Manitoba. She is a recipient of Canadian Academy of Engineering Fellowship (2015), IEEE-EMBS distinguished Lecturer title (2013–2014) and "Women of Distinction Award" in Science and Technology (2014) from the YWMCA and Manitoba Government as well as "Canada's Most Powerful Women (Top 100) in Trailblazers and Trendsetters category (2014)".

With over 206 peer-reviewed publications in prestigious journals and conferences, her current research includes biological signal processing, diagnostic pattern recognition and medical devices instrumentation with applications on sleep apnea, and Alzheimer disease. She has given 64 invited

talks/seminars (30 outside of Canada) including 2 Tedx Talk and 7 keynote speaker seminars at international conferences.

Brenda Austin-Smith, Ph.D.

Dr. Brenda Austin-Smith is an Associate Professor and the Head of the Department of English, Film, and Theatre, Faculty of Arts; and Centre on Aging Research Affiliate. Her research interests include melodrama as a mode and genre in film and she analyses emotional responses of audiences to the affective rhetoric of cinema. Dr. Austin-Smith is a member of *The Affect Project: Memory, Aesthetics, Ethics*, a Partner Development project funded by SSHRCC.

Jacquie Ripat, Ph.D. M.Sc., B.M.R. (OT)

Dr. Jacquie Ripat is an Associate Professor in the Department of Occupational Therapy, College of Rehabilitation Sciences and holds an adjunct appointment in the Department of Biosystems Engineering at the University of Manitoba. She received her Ph.D. in Applied Health Sciences and her Master of Science (Rehabilitation) from the University of Manitoba.

Dr. Ripat was appointed as a Research Affiliate of the Centre on Aging in 2015 and was a recipient of the Centre's Research Fellowship for 2015–2016. Her research interests include

- Community participation and engagement amongst assistive technology users
- Development and use of accessible public environments
- Wheeled mobility in winter environments; and
- Facilitation of client-centred practice in occupational therapy

SPRING RESEARCH SYMPOSIUM POSTER SESSION AND DEMONSTRATION PROJECTS

Student and researcher posters are available for viewing in the Brodie Atrium. We encourage symposium attendees to view the posters. Poster presenters are available to speak about their research during the morning (10:30–11:00 a.m.) and afternoon breaks (2:30–3:00 p.m.); and over the lunch hour (12:00–1:00 p.m.).

STUDENT POSTERS

1. *Can the consumption of docosahexaenoic acid containing eggs improve electrophysiological retina function in Caucasian older adults for the prevention of age-related macular degeneration?*

Chelsey Walchuk¹, Lorne Bellan², James House¹, Miyoung Suh¹

¹Department of Human Nutritional Sciences, ²Department of Ophthalmology, University of Manitoba, Winnipeg, MB

2. *Developing a taxonomy of health care aide tasks in a personal care home*

Shauna Zinnick, MSc. Student

Department of Community Health Sciences

3. *Do older men change their opinions about health-related quality of life?*

Maryam Alshammari¹; Robert Tate²; Donna Collins³; Ruth Barclay³

Faculty of Graduate Studies¹; Community Health Sciences²; College of Rehabilitation Sciences³

4. *Is preoperative physical activity behavior and depressive symptoms linked to postoperative health-outcomes and estimated costs due to cardiac surgery and re-hospitalization?*

D. Scott Kehler,^{1,2} Andrew N. Stammers,^{1,2} David Horne,³ Brett Hiebert,⁴ George Kaoukis,⁵ Rakesh C. Arora,⁴ and Todd A. Duhamel^{1,2,6}

Health, Leisure & Human Performance Research Institute, Faculty of Kinesiology and Recreation Management, University of Manitoba, Winnipeg, Canada; ²Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre, Winnipeg, Canada; ³Division of Cardiac Surgery, Department of Surgery, University of Alberta, Edmonton, Canada; ⁴Department of Surgery, University of Manitoba and Cardiac Sciences Program, Winnipeg, Canada; ⁵St. Boniface General Hospital, Cardiac Psychology Service, Winnipeg, Canada; ⁶Department of Physiology, University of Manitoba, Winnipeg, Canada.

5. *Optimizing the pre-operative risk profile of older adults undergoing elective cardiac surgery: preliminary results from a multi-centre, randomized controlled trial*

Andrew N. Stammers^{1,2}, Scott Kehler^{1,2}, Brett M. Hiebert¹, Nicholas Giacomantonio³, Ansar Hassan⁴, Todd A. Duhamel^{1,2*}, and Rakesh C. Arora^{1,5*}.

¹Institute of Cardiovascular Sciences, St. Boniface Hospital Research Centre. ²Health, Leisure and Human Performance Research Institute, Faculty of Kinesiology and Recreation Management, University of Manitoba. ³Department of Medicine, Division of Cardiology, Dalhousie University. ⁴Department of Cardiac Surgery, New Brunswick Heart Centre, Saint John Regional Hospital, ⁵College of Medicine, Faculty of Health Sciences, University of Manitoba.

*Co-Senior Authors

6. *Investigation of manual wheelchair caster designs for performance on snow-packed sidewalks*
Michele Berthelette¹; Danny Mann¹; Jacquie Ripat²; Cheryl Glazebrook³
¹Department of Biosystems Engineering; ²Occupational Therapy; ³Kinesiology and Recreation Management
7. *Overestimating future health in mid-to-late life: consequences for 15-year hospitalization*
Jeremy M. Hamm¹; Stefan T. Kamin²; Judith G. Chipperfield¹; Raymond P. Perry¹; & Frieder R. Lang²
¹University of Manitoba; ²University of Erlangen-Nuremberg
8. *Prevalence of depression and anxiety usually decreases with age: A life-span review*
Lindsay D. H. Berard¹, Corey Mackenzie¹, Sarah Raposo², Georgia Maclean³
University of Manitoba¹, Stanford University², Mount Royal University³
9. *Nutritional barriers: the older adult experience*
Amanda Gravelle
Department of Human Nutritional Sciences, Faculty of Agriculture and Food Science
10. *Nutritional barriers: The older adult experience understanding the perceptions and importance of the food experience in end of life care: a review*
Zena van de Poel¹, Christina Lengyel²
¹ Nutrition and Dietetics, Faculty of Health, Nutrition and Sports, The Hague University of Applied Sciences, The Hague, The Netherlands; ²Department of Human Nutritional Sciences, Faculty of Agricultural & Food Sciences, University of Manitoba, Winnipeg, MB
11. *Management of antidepressant drug interactions in breast cancer patients*
Erika Lehmann, Kevin Friesen, **Olasumbo Ojo**, Juliano Amador da Silva, Jordan Nash, Shawn Bugden
College of Pharmacy, Faculty of Health Sciences, University of Manitoba
12. *Old age insecurity? Portrayals of retirees and retirement in Canadian print newspapers*
Erin Scott
Department of Sociology, University of Manitoba
13. *Using an integrated care model to broaden understanding of care transitions for people with continuing care needs*
Cara Brown, Verena Menec
Department of Community Health Sciences, College of Medicine, University of Manitoba
14. *Exploring the relationship between different social network structures and perceived social support availability*
Oksana Harasemiw, MSc¹; Verena Menec, Ph.D.¹; Shahin Shooshtari, Ph.D.¹; Corey Mackenzie, Ph.D.²
¹Department of Community Health Sciences, University of Manitoba; ²Department of Psychology, University of Manitoba
15. *Multimorbidity: A challenge for health services for an aging population*
Mohammad Nazmus Sakib
Department of Community Health Sciences, University of Manitoba

RESEARCHER POSTERS

1. *Should older adults be encouraged to get online? The intersection of internet use and social inclusion*
Melina Elliott, MSc., Karen Duncan, Ph.D.
Faculty of Health Sciences, Department of Family Social Sciences

2. *Reactive behaviours in residents of personal care homes: perspectives of student nurses*
Beverly O'Connell¹; Lorna Guse¹; **Fiona Jensen**¹; Angela Osterreicher²; and Loreley Greenslade¹
¹College of Nursing, Faculty of Health Sciences; ²University of Manitoba Libraries
3. *Scoping the literature for validated measures of standing balance: A critical step in advancing best practices in exercise for fall prevention*
KM Sibley^{1,2,3}, MK Beauchamp⁴, K Van Ooteghem⁵, SE Straus⁶, SB Jaglal⁷
¹Department of Community Health Sciences, Faculty of Health Sciences; ²George and Fay Yee Centre for Healthcare Innovation; ³Centre on Aging; ⁴School of Rehabilitation Science, McMaster University; ⁵Department of Kinesiology, ⁶University of Waterloo; ⁷Department of Medicine, University of Toronto; ⁷Department of Physical Therapy, University of Toronto
4. *Children's thoughts on Grandparents/Great Grandparents with Dementia: "They are still the same person deep inside."*
Elaine Mordoch¹; Angela Osterreicher²; Lorna Guse¹; Kerstin Roger³; Genevieve Thompson¹
College of Nursing ¹; Deer Lodge Centre ²; College of Medicine⁴
5. *Older adult's perspectives on age-friendly communities with emphasis on nutrition services and programs*
CO Lengyel¹, KM Manary¹, VH Menec²
¹Department of Human Nutritional Sciences, Faculty of Agricultural & Food Sciences; ²Department of Community Health Sciences, Faculty of Health Sciences; University of Manitoba, Winnipeg, MB.
6. *Factors associated with dementia diagnosis in a mild cognitive impairment clinic*
Colleen P. Millikin, Ph.D., C.Psych. and Lesley Koven, Ph.D., C.Psych.
Department of Clinical Health Psychology, College of Medicine, Faculty of Health Sciences, University of Manitoba

DEMONSTRATION PROJECTS | 204 BRODIE CENTRE (12:00–4:00 pm)

New to this year's Spring Research Symposium are demonstration projects. A demonstration project is an alternative to the traditional poster format. The format could include a short video clip, model device, or demonstration of a technology. Demonstration projects will only take place in the afternoon from 12:00–4:00 p.m. in 204 Brodie Centre and will coincide with the poster viewing sessions in the afternoon.

1. *Home alone: Keeping older patients safe with CareMate*
Dr. Marcio Coelho¹, Dr. Michelle Lobchuk¹, Leslie Dryburgh², **Dennis Koverzin**³
¹College of Nursing, Faculty of Health Sciences, University of Manitoba; ²Grace Hospital; ³Life Elevated Inc.
2. *Screening retina health and nutrition status for eye health in older adults living in Manitoba*
Shatha Alattar, Miyoung Suh, R.D., Ph.D.
Department of Human Nutritional Sciences, Faculty of Agricultural and Food Sciences, University of Manitoba, Canada
3. *Virtual reality based neuro-cognitive treatment for Alzheimer's patients: Pilot case study*
Paul White, Zahra Moussavi, Ph.D., P.Eng.
Zahra Moussavi, Ph.D., P.Eng., Department of Electrical & Computer Engineering, Canada Research Chair in Biomedical Engineering
4. *Music and Memory*
Natalie Baird, B.Envr.Sc., Recreation Facilitator; **Kelly Harris**, Recreation Facilitator; Misericordia Health Centre

CENTRE ON AGING AWARDS AND FELLOWSHIP RECIPIENTS

2016–2017 Research Fellowships

Each year, the Centre offers a Centre on Aging Research Fellowship to a faculty member at the University of Manitoba. The intent of the fellowship is to encourage research in aging by either providing release from some teaching responsibilities for faculty to increase the faculty member's research activities in aging for a one-year period, or to provide funding to support their research. This year, the Centre awarded a fellowship for the 2016–2017 year to **Dr. Kathryn Sibley**. Dr. Sibley's Fellowship will focus on *Understanding current assessment and program design practices in community older adult exercise programs*.

Graduate Specialization in Aging

The Centre on Aging has administered the Graduate Specialization in Aging (GSA) at the University of Manitoba since Fall 2007. The GSA offers graduate students the opportunity to gain additional expertise in the field of aging and to gain official recognition by the Faculty of Graduate Studies for that expertise by earning extra credentials. Having met all the requirements, two graduate students will receive their certificate:

- **Oksana Harasemiw** completed the requirements to receive her Master's of Science Degree from the Department of Community Health Sciences, College of Medicine. Her thesis is entitled *The relationship between social isolation, social support, and mental health* (Advisor: Dr. Verena Menec, Department of Community Health Sciences, College of Medicine)
- **Maryam Alshammari** completed the requirements to receive her Master's of Science Degree from the College of Rehabilitation Sciences, Department of Physical Therapy. Her thesis is entitled *Response shift in health-related quality of life in older men: The Manitoba Follow-up Study*. (Advisor: Dr. Ruth Barclay Department of Physical Therapy, College of Rehabilitation Sciences).

2016–2017 Student awards

Each year the Centre on Aging provides scholarships to students pursuing studies in aging at the University of Manitoba. In addition, the Centre also adjudicates the Alzheimer Society of Manitoba Graduate Fellowships.

Betty Havens Memorial Graduate Fellowship

In 2005, the Centre on Aging Graduate Fellowship was renamed the Centre on Aging Betty Havens Memorial Graduate Fellowship. Betty Havens was a leader in social gerontology and in health services research on aging and older adults. She was one of the founders of the Centre in 1982 and maintained close ties with the Centre throughout her life.

Maia Kredentser, Ph.D. (c), Clinical Psychology, Department of Psychology, is the 2016–2017 recipient of the Centre on Aging's Betty Havens Memorial Graduate Fellowship.

The role of neuroticism in patient and caregiver distress in four non-cancer populations at the end of life

Co-supervisors: Corey Mackenzie, Ph.D., C. Psych, Department of Psychology; Harvey Chochinov OC OM M.D. Ph.D. FRCPC FRSC, Distinguished Professor of Psychiatry, University of Manitoba, Canada Research Chair in Palliative Care, Director, Manitoba Palliative Care Research Unit CancerCare Manitoba

Jack MacDonell Scholarship for Research in Aging

The Jack MacDonell Scholarship for Research in Aging was established to encourage and stimulate graduate student research in aging, in recognition of his contributions and achievements to teaching, research, and service in gerontology. It is awarded to a student pursuing full-time graduate studies with a focus on aging at the University of Manitoba.

Brooke Beatie, Master's student, Department of Psychology, is the 2016–2017 recipient of the Jack MacDonell Scholarship for Research in Aging.

Exploring caregivers' experience seeking psychological services: A mixed methods study

Advisor: Corey Mackenzie, Ph.D., C. Psych, Department of Psychology, Faculty of Arts

Esther and Samuel Milmot Scholarship

The Esther and Samuel Milmot Scholarship was established in 1987 through a bequest in honour of Esther and Samuel Milmot. It is awarded to a full-time student, undergraduate or graduate, pursuing a program which bears on gerontology, in the Faculty of Arts or in the Faculty of Graduate Studies with the field of study in a department in the Faculty of Arts at the University of Manitoba.

Megan Siemens, Master's student, Department of Psychology, Faculty of Arts, is the 2016–2017 recipient of the Esther and Samuel Milmot Scholarship.

The effect of aging on reorientation abilities in a virtual environment

Advisor: Debbie M. Kelly, Ph.D., Professor, Department of Psychology; Canada Research Chair, Comparative Cognition

Alzheimer Society of Manitoba Fellowships

The Alzheimer Society of Manitoba offers two awards to graduate students. The purpose of these awards is to enhance knowledge about the cause, treatment, cure and effects of Alzheimer's disease and other dementias in the biomedical and psychosocial domains; to increase knowledge about the care of people with dementia by formal and informal caregivers; to encourage and to stimulate graduate student research activity in Alzheimer's disease and other dementias. The Centre on Aging adjudicates the Alzheimer Society of Manitoba Graduate Fellowships.

Cassandra Aldaba, Master's students, Department of Biomedical Engineering, Faculty of Engineering is a 2016–2017 recipient of the Alzheimer Society of Manitoba Graduate Student Fellowship

Augmented immersive virtual reality cognitive training for individuals with dementia

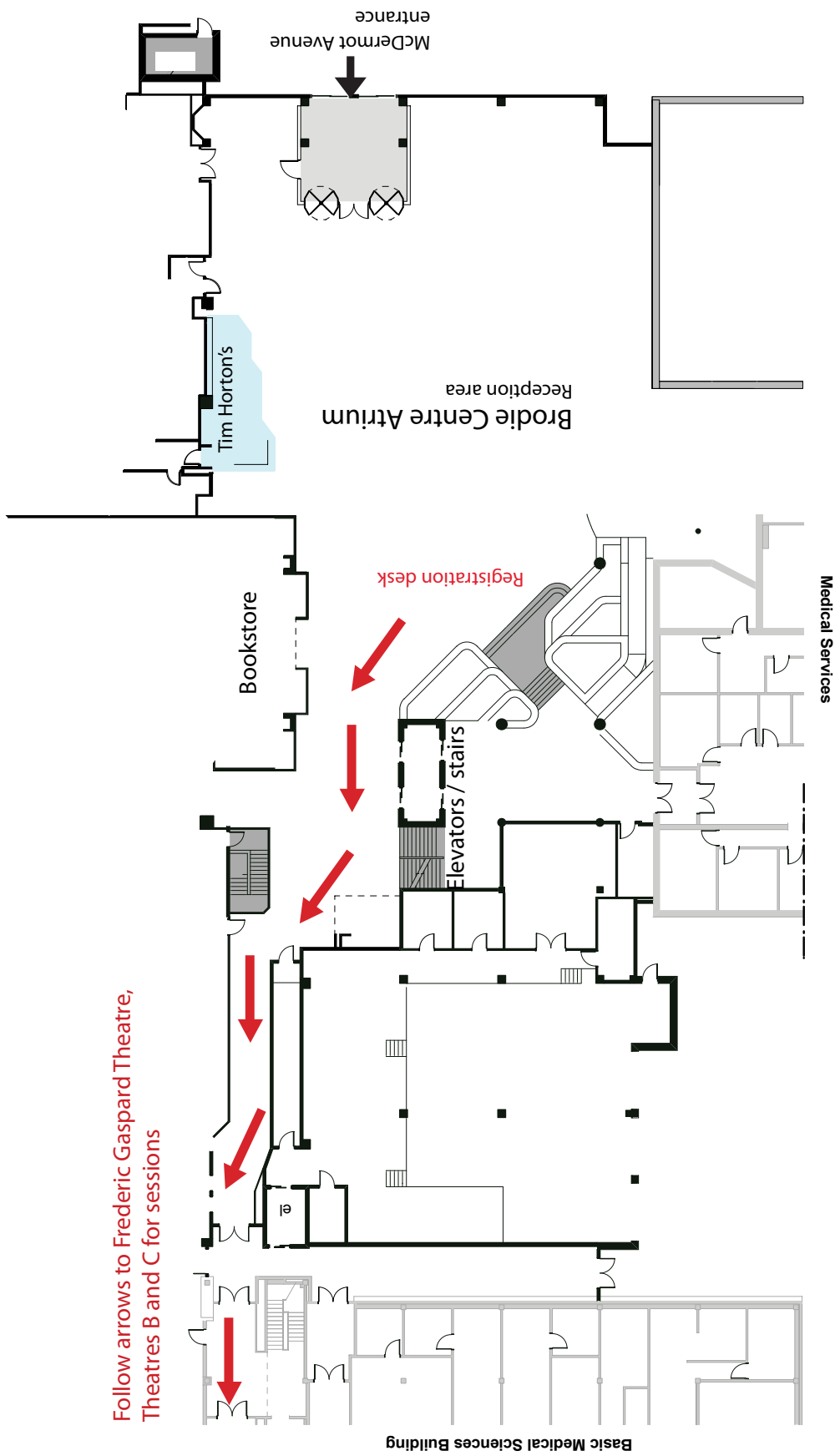
Advisor: Zahra Moussavi, Ph.D., P.Eng., Director, Biomedical Engineering Program; Canada Research Chair; Professor, Department of Electrical & Computer Engineering & Department of Psychiatry

Audrey Katoko, Master's student, Department of Human Anatomy and Cell Science, College of Medicine is a second recipient of the 2016–2017 Alzheimer Society of Manitoba Graduate Student Fellowship.

A novel quantitative approach to positron emission tomography for the diagnosis of prodromal Alzheimer's Disease

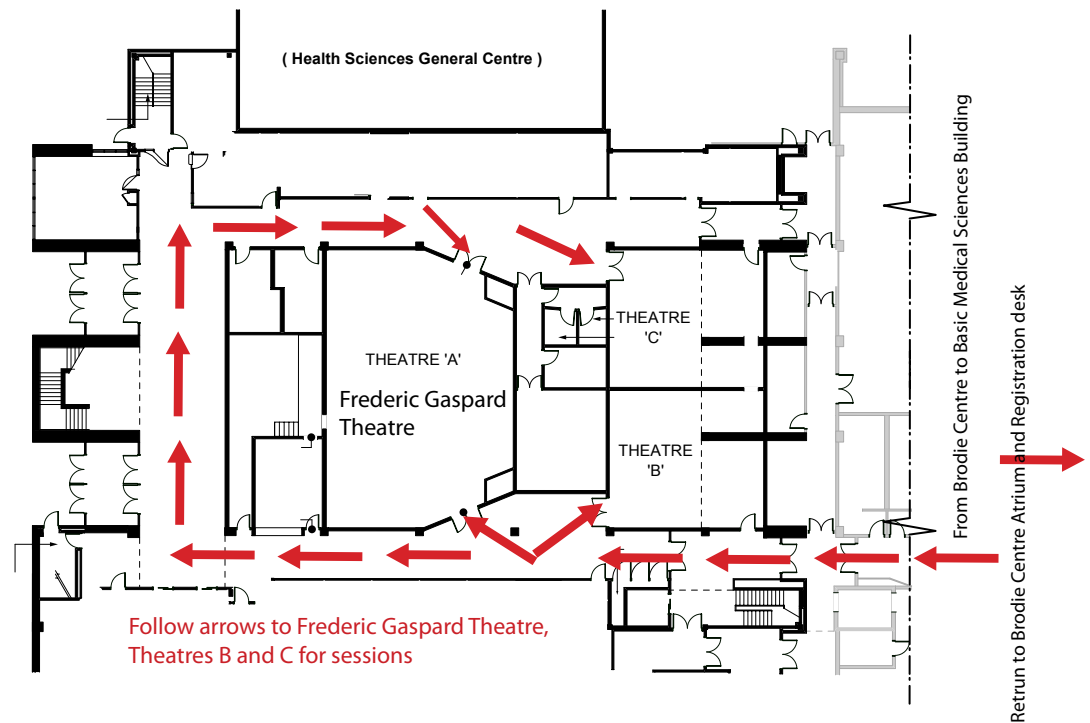
Advisor: Ji Hyun Ko, Ph.D., Assistant Professor, Department of Human Anatomy and Cell Science, College of Medicine, Faculty of Health Sciences

CAMPUS MAPS

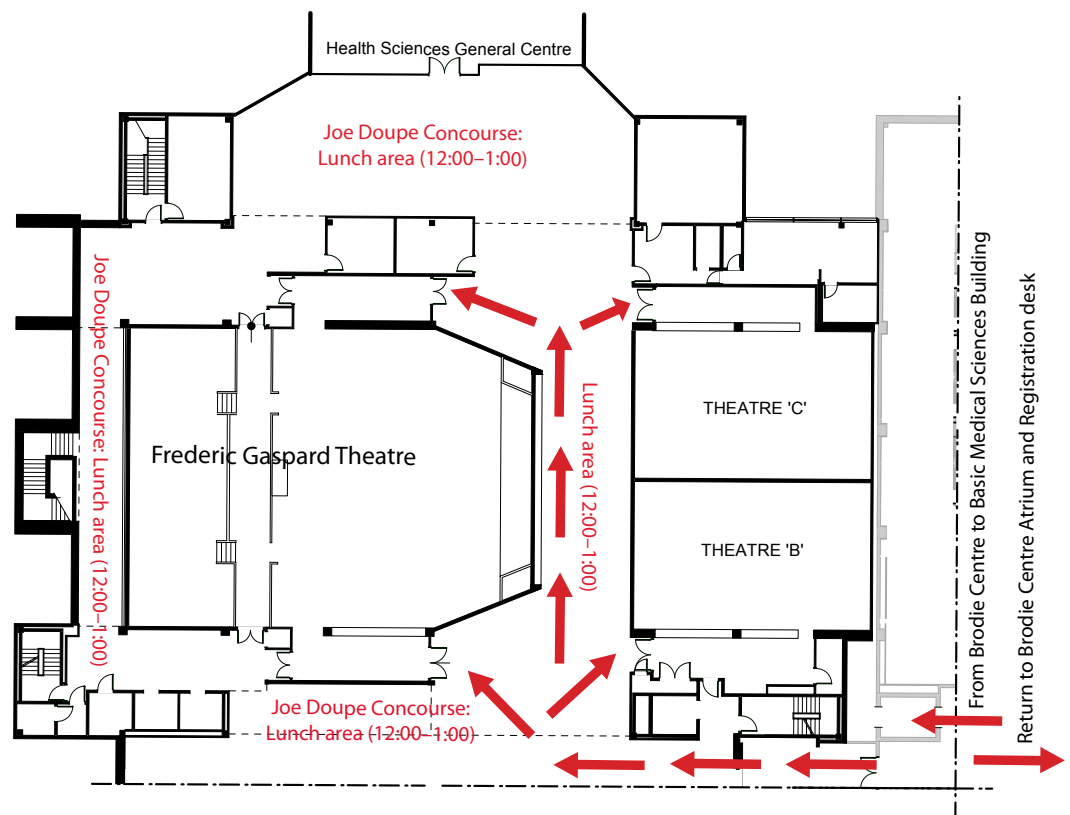


Follow arrows to Frederic Gaspard Theatre, Theatres B and C for sessions

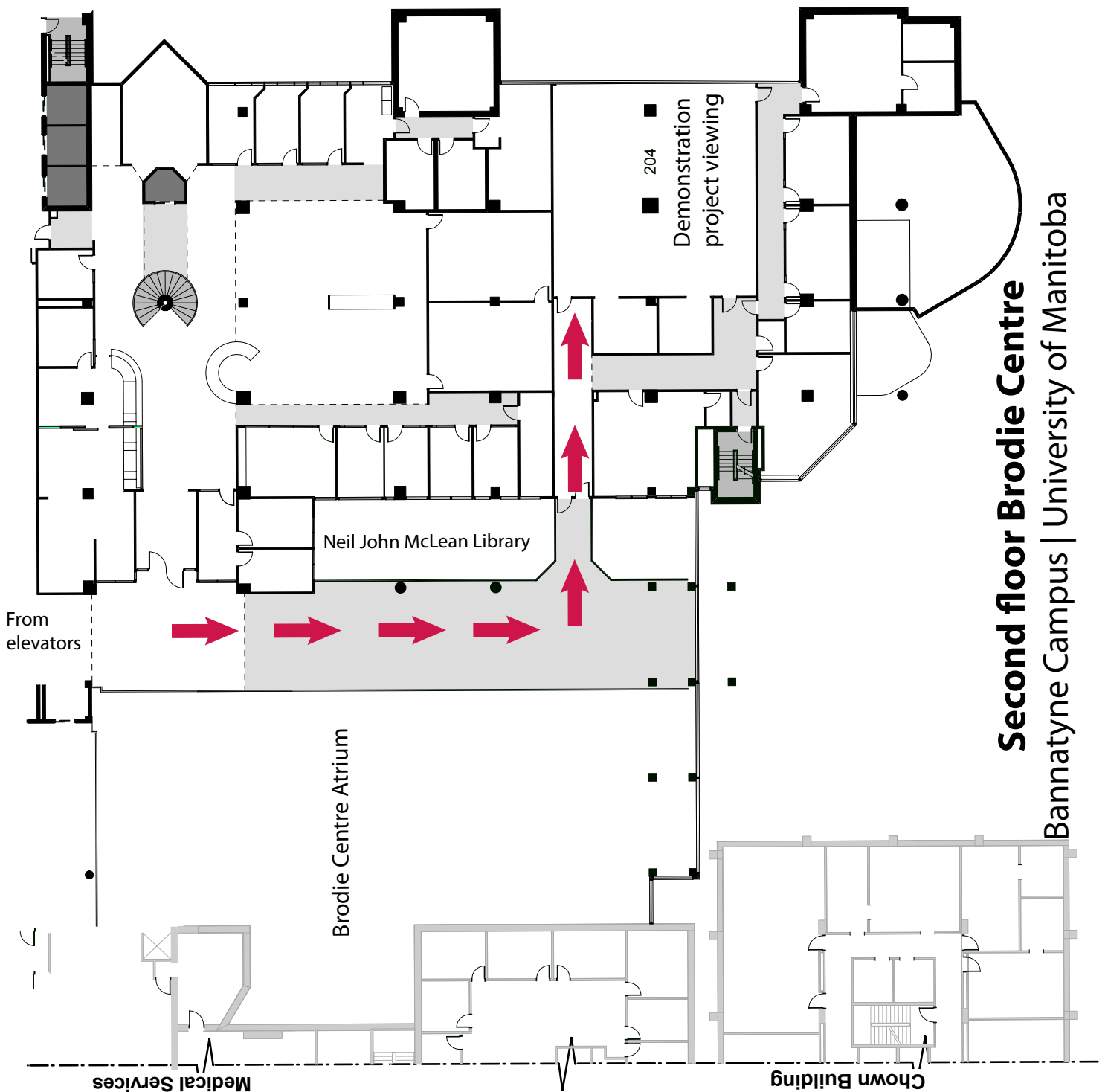
Main floor Brodie Centre Bannatyne Campus | University of Manitoba



Main floor Basic Medical Sciences Building Bannatyne Campus | University of Manitoba



Second floor Basic Medical Sciences Building Bannatyne Campus | University of Manitoba



Need help finding your way around the Bannatyne Campus? Look for our friendly and helpful Spring Symposium volunteers. You can identify them by the yellow sticker on their name tag.

TUESDAY, MAY 3, 2016: AGE-WELL WORKSHOP

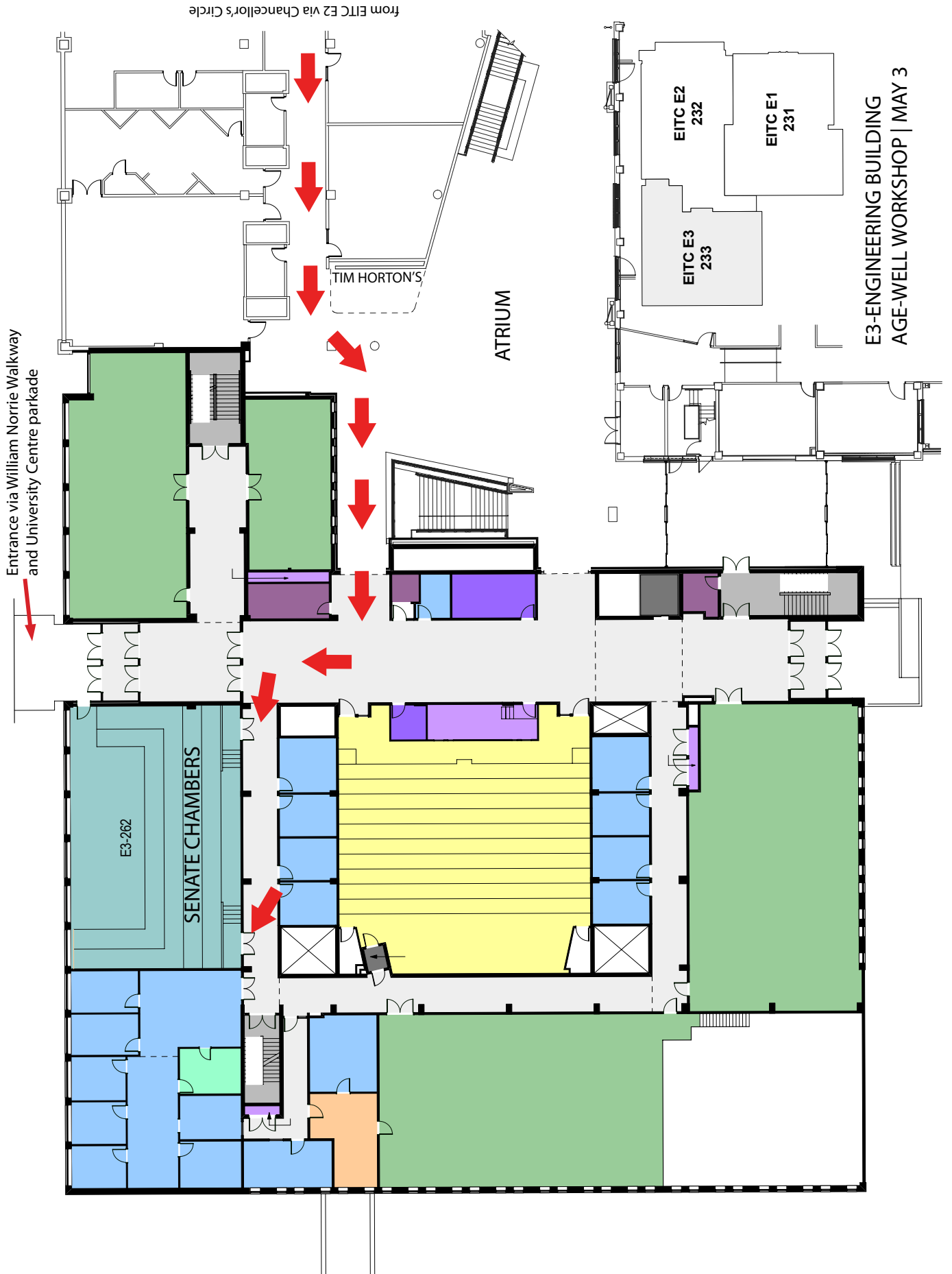


8:30 am–12:00 pm
Fort Garry Campus, 75B Chancellors Circle
E3-262 Engineering & Information Technology Complex (EITC)
(Senate Chambers)

AGE-WELL: Canada's Technology and Aging Network

The AGE-WELL NCE (Aging Gracefully across Environments using Technology to Support Wellness, Engagement and Long Life NCE Inc.) is a national research network in technology and aging whose aim is to help older Canadians to maintain their independence, health and quality of life through accessible technologies that increase their safety and security, support their independent living, and enhance their social participation. AGE-WELL aims to jump-start the growth of innovative technologies that can assist older people and their families by improving their safety, helping them cope with dementia and other conditions, facilitating social contacts and easing the burden of caregivers. This workshop will provide an overview of the AGE-WELL network including new opportunities for researchers, trainees, and partners to become involved.

TIME	ROOM	
8:00–8:30	E3-EITC 262	Registration (for those who have not already registered or received their package on May 2)
8:30–9:30	E3-EITC 262	Overview of AGE-WELL (Dr. Alex Mihailidis, Scientific Director)
9:30–10:00	E3-EITC 262	Partnerships and Research Funding Opportunities (Jeanie Zabukovec, Research and Partnerships Administrator)
10:00–10:30	E3-EITC 262	Training and Mentorship Program (Samantha Sandassie, Education and Training Administrator)
10:30–11:00	E3 ATRIUM	Break and networking (Atrium) <i>The morning break is sponsored by AGE-WELL</i>
11:00–12:00	E3 ATRIUM	Table discussions
12:00		Adjournment



SPECIAL ACKNOWLEDGEMENTS

The 33rd Annual Spring Research Symposium was organized with the assistance of the Spring Research Symposium Planning Committee of the Centre on Aging.

Dr. Michelle Porter	Director, Centre on Aging
Nicole Dunn	Associate Director (Research), Centre on Aging
Dr. Kristel van Ineveld	Associate Professor, College of Medicine
Megan Ferguson	Undergraduate student, Faculty of Social Work
Dr. Kathryn Sibley	Assistant Professor, Department of Community Health Sciences
Dr. Jacquie Ripat	Assistant Professor, Department of Occupational Therapy, College of Rehabilitation Sciences
Bob Thompson	Community member
Teresa Snider	Manitoba Seniors and Healthy Aging Secretariat

OUR SPONSORS

The Centre on Aging would like to thank the following sponsors of this year's 33rd Annual Spring Research Symposium for their support:



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College of Medicine, Department of Internal
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Aging Gracefully across Environments using Technology
to Support Wellness, Engagement, and Long Life

The Centre on Aging gratefully acknowledges the support of Imperial Oil Ltd.

ACCREDITATION

Many organizations have self-directed Continuing Competency programs. If you need a certificate of attendance, please ask at the registration table at the end of the day.