



Dialogue on aging

40th Annual Spring Research Symposium

Monday, May 1, 2023

Bannatyne Campus | University of Manitoba

Spring Symposium program at a glance

Theatre A streaming link: <https://media1.cc.umanitoba.ca/TheatreA.html>

Time scheduled	Presenter
9–9:15 a.m.	Opening remarks: Michelle Porter , Ph.D., Director Centre on Aging Honourable Scott Johnston , Minister of Seniors and Long-Term Care, Province of Manitoba University greetings: Annemieke Farenhorst , Ph.D., Associate Vice-President (Research)
9:15–9:30 a.m.	Neena Chappell Ph.D., and Michelle Porter Ph.D., Centre on Aging 40th anniversary reflections
9:30–10:15 a.m.	Daniel Sitar , Ph.D., Drugs and the older adult – A long and winding road
10:15–10:45 a.m.	Morning break Visit the exhibitors, and poster sessions in person (Joe Doupe Concourse) or online. Visit the COVID in the House of Old mini exhibit in the Buhler Atrium.
10:45–11:30 a.m.	Sandra Webber , Ph.D., Mobility in older adults—A mobility framework’s travels around the world
11:30 a.m.–12:15 p.m.	Jamie Falk , Pharm.D., Assumptions, explorations and implications: The science and uncertainties of cannabis use in older adults
12:15–1:30 pm	Lunch break Symposium attendees are encouraged to visit the various restaurants on campus and in the surrounding areas, or bring their own lunch. Visit the exhibitors ,and poster sessions in person (Joe Doupe Concourse) or online. Visit the COVID in the House of Old mini exhibit in the Buhler Atrium.
1:30–2:30 p.m.	Megan Davies , Ph.D., COVID in the House of Old project and exhibit Laura Funk , Ph.D., Mary Shariff , Ph.D., Manitoba PCH situation during the pandemic
2:30–3:00 p.m.	Afternoon break Visit the exhibitors, and poster sessions in person (Joe Doupe Concourse) or online. Visit the COVID in the House of Old mini exhibit in the Buhler Atrium.
3–4 p.m.	Phil St. John , M.D., Cohort studies of health
4 p.m.	Symposium concludes Complete online evaluation survey by May 5: https://www.surveymonkey.com/r/CVZGM82

Centre on Aging staff

Michelle Porter, PhD
Director

Nicole Dunn, MA
Associate Director

Rachel Ines, Dipl., BA
Administration and
Communications
Coordinator

Lynsie Braun
Cornelia Kauenhowen
Dallas Murphy
Anila Shawkat
Student Research Assistants

Registration and Symposium information

Registration package

There is **no cost** to attend the Spring Research Symposium.

Your registration package includes a Symposium program-at-a-glance, evaluation form, and identification badge. Your identification badge must be worn at all times for admission to the Symposium sessions, refreshment break, and poster session.

Return your identification badge to the Registration desk in Brodie Centre at the end of the day.

Registration and Information desk

For the Research Symposium on May 1, on-site registration and general Symposium information is available at the registration desk in Brodie Centre. The registration desk in the Brodie Atrium is open from 8:00 am–3:00 pm.

If you have any questions, please visit the registration desk to speak with Centre on Aging staff and volunteers.

Accreditation

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

Masking on campus

The University of Manitoba will be changing their mandatory masking protocol on May 1. While the UM is strongly encouraging mask wearing specially in indoor spaces that do not allow for distancing, for our specific event, the Centre on Aging will require Symposium participants to wear a mask for our event. If you do not have mask, we can provide you with a mask available at the registration desk.

As individuals' risk assessments levels varies, we ask that you observe our request as per the [University's Respectful Work and Learning Environment \(RWLE\) Policy](#). If you have any questions about this policy, please direct them to michelle.porter@umanitoba.ca.

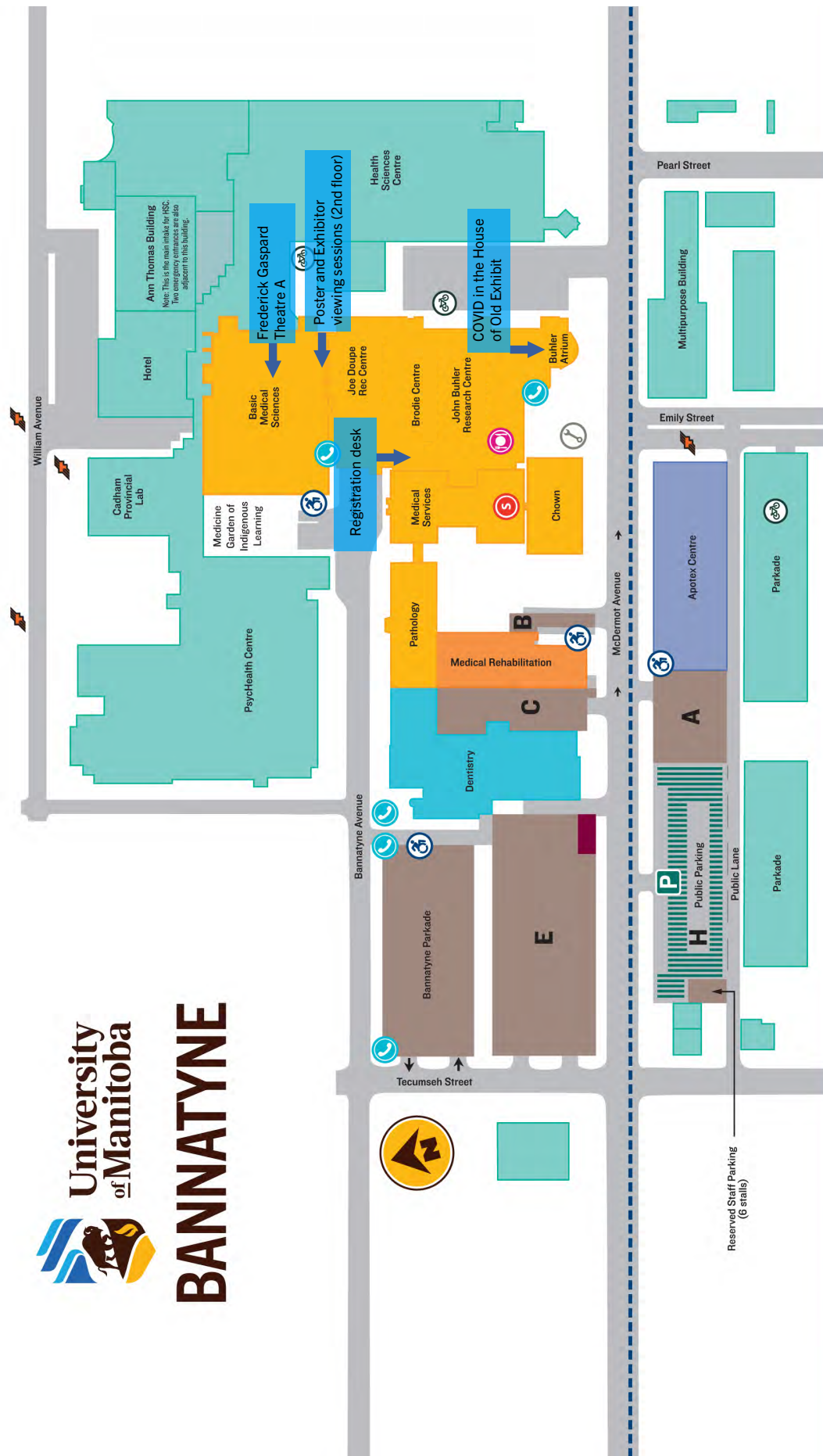
Lunch options

In person attendees are encouraged to visit any of the food services on Bannatyne Campus or restaurants in the surrounding areas. Visit the Registration desk in Brodie Centre if you need assistance identifying a place for lunch.

Lecture theatre directions

To assist Symposium attendees with locating rooms, signs have been placed around campus that will direct you to the different areas. Outlined below are the corresponding directions to the different Symposium presentation rooms on Bannatyne Campus. View map on page 4.

Frederic Gaspard Theatre	Located in Basic Medical Sciences Building: access through first floor or upper level.
Buhler Atrium	Located in Brodie Centre: access through first floor.
Joe Doupe Concourse	Located outside Theatre A in the Basic Medical Sciences Building: access through second floor



A-Z

Dr. Gerald Niznick College of Dentistry/
School of Dental Hygiene

Max Rady College of Medicine

College of Pharmacy

College of Rehabilitation Sciences

Non-University Buildings

A-Z

Reserved Parking Areas

Staff Parking (U of M Permit required)

Carpool Parking

Public Parking (Pay & Display)

Accessible Parking

Bike Repair Station

Bike Parking

Bike Route

Transit Bus Stops

Food Services

Campus Security

Emergency Code Blue Phones

The Rady Faculty of Health Sciences is comprised of the
Max Rady College of Medicine, the Dr. Gerald Niznick
College of Dentistry and the Colleges of Nursing,
Pharmacy, and Rehabilitation Sciences.

For more information visit:

umanitoba.ca/healthsciences

Spring Research Symposium presentations

ALL PRESENTATION SESSIONS TAKE PLACE IN THE FREDERIC GASPARD THEATRE A

9–9:15 a.m.

Welcome and greetings

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

Honourable Scott Johnston, Minister of Seniors and Long-Term Care, Province of Manitoba

Annemieke Farenhorst, Ph.D., Associate Vice-President (Research)

Morning sessions

9:15–9:30 a.m.

Centre on Aging 40th anniversary reflections

Neena L. Chappell, Ph.D., FRSC, CM, LLD(hon), Professor emeritus, Institute on Ageing & Lifelong Health and Dept. of Sociology, University of Victoria

Michelle Porter, Ph.D., Director, Centre on Aging

As the Centre on Aging celebrates their 40th year at the University of Manitoba, Centre Directors will reflect on some of the highlights at the Centre over the years.

9:30–10:15 a.m.

Drugs and the older adult – A long and winding road

Daniel Sitar, Ph.D., Professor Emeritus, Rady Faculty of Health Sciences, University of Manitoba

Optimizing drug therapy for the treatment of chronic diseases of older adults remains an ongoing research activity. Studies by affiliates of the Centre on Aging have contributed significantly to this process. Today's presentation provides representative examples of our published studies that demonstrate we are being successful in our efforts to achieve this goal.

10:15–10:45 a.m.

Morning break

Poster session can be viewed in the Joe Doupe Concourse or find virtual posters on the Centre's Web site on May 1.

Visit the mini exhibit COVID in the House of Old in the Buhler Atrium.

Cake, coffee, tea and water will be served in the Joe Doupe Concourse.

Attendees can also visit the food vendors in Brodie Centre, or bring your own reusable bottle to fill up at the water stations on Bannatyne Campus.

10:45–11:30 a.m.

Mobility in older adults—A mobility framework's travels around the world

Sandra Webber, Ph.D., Associate Professor, Physical Therapy, College of Rehabilitation Sciences, Rady Faculty of Health Sciences, University of Manitoba

Being able to move within and between different life spaces like one's room, one's home, the neighborhood, and beyond is fundamental for quality of life and health as we age.

In this presentation you will hear how a PhD student's assignment led to the development of a comprehensive framework depicting mobility in older adults that has been used by researchers and policy-makers around the world in clinical contexts, and in areas such as public health (healthy aging), transportation/travel, and city-planning (built-environment).

11:30 a.m.—12:15 p.m.

Assumptions, explorations and implications: The science and uncertainties of cannabis use in older adults

Jamie Falk, Pharm.D., Associate Professor, College of Pharmacy, University of Manitoba

The legalization and availability of cannabis in Canada has resulted in a significant shift in public willingness to explore these products for their potential medical use. Along with this surge in interest exists a great deal of uncertainty about the benefits, harms, and population implications. The heightened interest and exploration is by no means limited to younger populations with reported first-time use among older adults in Canada increasing. This session will explore the many questions around what we expect, what we know, what we don't know, and where we can look for answers, particularly related to implications of use in older adults. We'll explore how current research informs our knowledge of proposed benefits, contributions to age-related concerns such as cognition and falls risk, and highlight the importance of engagement in well-informed, open dialogue between patients and clinicians within this new landscape.

12:15—1:30 p.m.

Lunch

Symposium attendees are encouraged to bring their own lunch, or visit any of the restaurants found throughout Bannatyne Campus, Health Sciences Centre, or the surrounding neighbourhood.

Poster session can be viewed in the Joe Doupe Concourse or find virtual posters on the Centre's Web site on May 1.

Visit the mini exhibit COVID in the House of Old in the Buhler Atrium.

Afternoon sessions

1:30—2:30 p.m.

COVID in the House of Old project and exhibit

Megan Davies, Ph.D., Professor Emerita, Faculty of Liberal Arts & Professional Studies, Department of Social Science, York University

Dr. Megan Davies will be sharing information about a cross country exhibit called COVID in the House of Old, which provides an opportunity for the public to remember and share stories about all that has happened in the long-term care setting in Canada during the pandemic. This travelling exhibit has been funded by the Social Sciences and Humanities Research Council and involves many partners, including the Centre on Aging.

Manitoba PCH situation during the pandemic

Laura Funk, Ph.D., Professor, Faculty of Arts, Department of Sociology and Criminology, University of Manitoba

Mary Shariff, Ph.D., Associate Professor, Robson Hall Faculty of Law, University of Manitoba

Following Dr. Davies' presentation will be two Research Affiliates from the Centre on Aging, Dr. Laura Funk and Dr. Mary Shariff, who will briefly share insights into the Manitoba situation related to personal care homes during the pandemic.

2:30–3:00 p.m.

Afternoon break

Posters can be viewed in the Joe Doupe Concourse or virtual posters can be viewed on the Centre's Web site on May 1.

Visit the mini exhibit COVID in the House of Old in the Buhler Atrium.

Stop by one of the food vendors in Brodie Centre for refreshments or bring your own reusable bottle to fill up at the water stations on Bannatyne Campus.

3–4 p.m.

Cohort studies of health

Phil St. John, MD, MPH, CCFP, FRCPC, Professor and Section Head, Max Rady College of Medicine, Internal Medicine, Section of Geriatric Medicine, University of Manitoba

Cohort studies are epidemiological studies that study the health of a population over time. They are important for establishing the rates of diseases, risk factors for disease, and to study changes in health over time. They minimize some biases in understanding disease causation and how health issues progress over time. They require sustained interest and funding over long time horizons. Cohort studies of ageing conducted in Manitoba will be discussed.

4 p.m.

Symposium concludes

Complete Symposium evaluation form and return to the Registration Desk in the Brodie Atrium, along with name tags.

Get social with us!

During the Symposium, we encourage you to stay in touch with us via our social media account.

Use the hashtags **#srs40** **#centreonagingUM** to allow us to find your social messages.

You can tweet us directly by using our twitter handle **@UM_coaging** in your tweets.



Presenter biographies

Daniel Sitar, PhD



Dr. Daniel Sitar is currently Professor Emeritus in the Rady Faculty of Health Sciences and a Distinguished Alumnus of the College of Pharmacy. He received his university education in Manitoba, and became a licensed Pharmacist in 1966 until his retirement at the end of 2009. After academic appointments at the University of Minnesota (1971–73) and McGill University (1973–78), he was recruited back to the University of Manitoba in 1978 to participate in the development of the first Geriatric Clinical Pharmacology Program in Canada. In 1999, he was appointed Head of the Department of Pharmacology and Therapeutics, and served in that capacity until the end of 2008. Since his retirement, he holds academic appointments in the Departments of Internal Medicine, Pharmacology and Therapeutics, and Pediatrics and Child Health in the College of Medicine, in the College of Pharmacy, and as a Research Affiliate in the Centre on Aging.

His research in Geriatric Pharmacology is recognized by Fellowship awards in the Gerontological Society of America (Health Sciences Section), and in the American College of Clinical Pharmacology.

Dr. Sitar has served on many committees in both Canada and the USA, including the position of chair. He has been a member of the Editorial Board of Clinical Pharmacology and Therapeutics, and held the position of Editor-in-Chief of that Journal, the official publication of The American College of Clinical Pharmacology from 2009–2013.

Sandra Webber, PhD



Sandra Webber is a physiotherapist and an Associate Professor in the Department of Physical Therapy in the College of Rehabilitation Sciences. She completed her PhD at the University of Manitoba in 2010 and worked for a few years at the University of Saskatchewan before returning to Manitoba. Her research focuses on mobility, ambulation, and physical activity in older adults and individuals with chronic conditions. She has a particular interest in using technology to provide objective measures of what people do in their everyday lives.

Jamie Falk, PhD



Jamie Falk is an Associate Professor with the College of Pharmacy, Rady Faculty of Health Sciences at the University of Manitoba and practices as an Extended Practice Pharmacist with the Department of Family Medicine at the Kildonan Medical Centre in Winnipeg. He focuses his research, teaching, and clinical practice on optimized prescribing practices, approaches to minimizing patient burden, and promoting evidence-based knowledge translation to learners, clinicians and the patients they care for. He is the clinical site co-lead for the Implementing Evidence program, a national PEER (Patients Experience Evidence Research) Team member, and co-chair of the annual Making Evidence Matter for Everyone (MEME) Conference in Vancouver.

Megan Davies, PhD



Dr. Megan J. Davies is a historian of health with a regional focus on British Columbia. She currently works on old age, madness, and everyday medicine. As part of the [MadnessCanada.com](https://www.madnesscanada.com) community, Megan has participated in a number of academic-community collaborations, most notably the 2013 documentary, *The inmates are running the asylum*. In January 2022, with the support of a Shadbolt Fellowship, Megan launched COVID in the House of Old, a public exhibit, website and podcast.

Dr. Davies was a faculty member at York University from 2003 to 2022. She completed her dissertation on the history of residential care for the elderly, and completed a book on the history of residential care for the elderly in B.C. She was a team member on Pat Armstrong's SSHRC – MCRI International Collaborative Grant, from 2010–2017, “Re-imagining long-term residential care: An international study of promising practices”.

Laura Funk, PhD



Dr. Laura Funk is a Professor in the Faculty of Arts, Sociology and Criminology. As a sociologist and social gerontologist, her scholarship enhances understandings of how older adults and paid and unpaid carers interpret experiences, preserve identities, and negotiate normative ideals. Dr. Funk's research a) addresses how these processes use and reinforce discourses surrounding age, care and responsibility, and b) interrogates the structures of care for older adults, including the pressing, often invisible impacts on paid and unpaid carers in the context of decades of health reform in Canada.

Mary Shariff, PhD



Dr. Mary Shariff is an Associate Professor in the Faculty of Law at the University of Manitoba. A major area of her research program is law and ethics in medicine and the healthcare system as well as human rights, vulnerability and aging. She has published and spoken extensively in the areas of end of life, human rights, palliative care and medical decision-making and has provided expert witness testimony regarding end of life laws to the courts and Parliament. Dr. Shariff was a winner of the 2017 Terry G. Falconer Memorial Rh institute Foundation Emerging Research Award and currently sits as a commissioner on the Manitoba Law Reform Commission. Dr. Shariff is currently working on research projects regarding resident participation, vaccination and decision-making in long term care facilities as well as the legal framing and trajectory of medical assistance in dying in Canada. Courses taught by Professor Shariff include Law of Contracts, Law and Bioethics, Law and Religion and Animal Law.

A Research Affiliate since 2009, Dr. Shariff received a Centre Research Fellowship in 2011–2012. She is actively involved with the Centre, having presented at a number of seminars and Spring Symposium sessions. She has been a member of the Centre's Advisory Board since 2018, and currently sits as the Advisory Board Chair.

Phil St. John, MD MPH CCFP FRCPC



Dr. Phil St. John, was born and grew up in Minnedosa. He is a Professor in the Section of Geriatric Medicine, Department of Internal Medicine and is the Head of the Section of Geriatric Medicine. He did his MD at the University of Manitoba, a Rotating Internship at Memorial University of Newfoundland, Internal Medicine training at the University of Manitoba and his subspecialty training at the University of Ottawa. He obtained a Masters in Public Health (Epidemiology) from Johns Hopkins University. Dr. St. John's research interests are in rural health, and the epidemiology of cognitive loss, frailty and depression. He is an affiliate of the Centre on Aging at the University of Manitoba, the co-lead of the Manitoba site of the Canadian Longitudinal Study of Aging, and a co-investigator with the Manitoba Follow-up Study. He is a fellow of the Gerontological Society of America. His clinical practice is as a Consultant Geriatrician sited at Health Sciences Centre, Deer Lodge Centre and throughout the Winnipeg Regional Health Authority.

Special exhibit

Visit the mini exhibit, *COVID in the House of Old* in the Buhler Atrium during the breaks and over the lunch hour. Free to view on May 1.



Spring Research Symposium poster session

The poster session will be available for viewing in person in the Joe Doupe Concourse and additional posters will be available online. Come out to support our student and faculty researchers. Posters are organized into four categories for both in person and virtual presentations:

- **Student posters:** Current aging research undertaken by graduate and post-doctoral fellows
- **Research Affiliate:** Current aging research undertaken by faculty researchers
- **Retrospective posters:** Longitudinal aging related research conducted by Research Affiliates
- **Briefing notes:** Written by Research Affiliates, the briefing documents focus on specific aging topics related to their areas of expertise.

Virtual posters can be viewed on demand from the Centre's Web site in any order. The posters are available for viewing in a traditional academic format or five short slides. Online posters are available to view on May 1 from 9 a.m.–4 p.m., and until noon on May 2. All virtual posters include audio narration.

Poster session link: <https://umanitoba.ca/centre-on-aging/research/spring-symposium/poster-presentations>.

Note: Posters presented in-person may not be available for viewing online.

***Presenters' names are bolded**

In person student posters

1. *Do complex hand movements become more difficult to simulate as we age?*

Aneet K. Saran^{1,2}, Jonathan J. Marotta^{1,2}

¹Neuropsychology of Vision: Perception & Action, University of Manitoba;

²Centre on Aging, University of Manitoba

2. *The images of old age and space in contemporary Quebec literature*

Hoorieh Rezasoltani

Faculty of Arts, Department of French, Spanish, Italian, University of Manitoba

3. *Data-driven identification of prodromal Alzheimer's disease*

Jarrad Perron^{1,2}, Ji Hyun Ko^{1,2,3}

¹Graduate Program in Biomedical Engineering, Price Faculty of Engineering, University of Manitoba, Winnipeg, Canada; ²PrairieNeuro Brain Research Centre, Kleyson Institute for Advanced Medicine, Health Sciences Centre, Winnipeg, Manitoba, Canada; ³Department of Human Anatomy and Cell Science, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Canada.

4. *Older adults' collaborative learning dynamics when exploring feature-rich software*

Afsane Baghestani¹, Celine Latulipe^{1,2}, Andrea Bunt¹

¹Department of Computer Science, University of Manitoba; ²Centre on Aging, University of Manitoba

5. *Designing interactive data explorations for older adults using StatsCan caregiving and care receiving data*

Yengin Loay¹, Celine Latulipe¹

¹Department of Computer Science, University of Manitoba

6. *Network analyses to explore multimorbidity among older adults with dementia*

Samuel Quan^{1,2}, Barret A. Monchka², **Phil D. St. John**^{1,3}, Malcolm B. Doupe^{2,3}, Maxime Turgeon⁴, Lisa M. Lix²

¹Department of Internal Medicine (Section: Geriatric Medicine), Max Rady College of Medicine, University of Manitoba; ²Department of Community Health Sciences, Max Rady College of Medicine, University of Manitoba; ³Centre on Aging, University of Manitoba; ⁴Department of Statistics, Faculty of Science, University of Manitoba

7. *Sex difference in cardiovascular response to a postural transition in healthy older adults*

Dihogo de Matos¹, Jefferson Santana¹, Asher Mendelson³, Todd Duhamel^{4,5}, Rodrigo Villar^{1,2}

¹Cardiorespiratory & Physiology of Exercise Research Laboratory, Faculty of Kinesiology and Recreation Management, University of Manitoba; ²Centre on Aging, University of Manitoba; ³Section of Critical Care, Department of Medicine, Rady Faculty of Health Sciences, University of Manitoba; ⁴Faculty of Kinesiology and Recreation Management, University of Manitoba; ⁵Institute of Cardiovascular Sciences, St. Boniface General Hospital Albrechtsen Research Centre

8. *What's going on with Self and Family Managed Care? A qualitative analysis of home care complaints heard by the Manitoba Health Appeal Board, 2015 – 2022*

Lisette Dansereau

Department of Community Health Sciences, University of Manitoba

9. *Activity monitoring system using deep learning for people with dementia*

Amarzish Qadeer^{1,2}, M. Amine Choukou³

¹Biomedical Engineering Program, Faculty of Graduate Studies, University of Manitoba; ²AgeWell EPIC-AT Fellowship, University of Manitoba; ³Department of Occupational Therapy, University of Manitoba

10. *The incorporation of novel audiogram classification strategies to identify genes and pathways involved in age-related hearing loss*
Samah Ahmed¹, Kenneth I. Vaden Jr², Judy R. Dubno², Britt Drögemöller^{1,3,4}
¹ Department of Biochemistry and Medical Genetics, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, MB, Canada; ² Hearing Research Program, Department of Otolaryngology-Head and Neck Surgery, Medical University of South Carolina, Charleston, SC, USA; ³ The Children's Hospital Foundation of Manitoba, Winnipeg, MB, Canada; ⁴ CancerCare Manitoba Research Institute, Winnipeg, MB, Canada
11. *Designing interfaces for those banking online on behalf of older adults*
Zach Havens¹, Celine Latulipe¹
¹Department of Computer Science, University of Manitoba
12. *Technology to support aging in place: Exploration of older adults and student occupational therapists' perspectives*
Curtis Beck, Paige Collins, Cara-lee Pollock, Ulyana Omelchenko, Jacquie Ripat
Department of Occupational Therapy, University of Manitoba
13. *Does resting motor threshold correlate with severity of Alzheimer's disease?*
Maria A. Uehara¹, Cristina Francisco¹, Brian Lithgow^{1,2}, Lisa Koski³, and Zahra Kazem-Moussavi^{1,2,4}
¹Department of Biomedical Engineering, University of Manitoba; ²Riverview Health Center; ³Department of Psychology, McGill University; ⁴Department of Electrical and Computer Engineering, University of Manitoba
14. *The walking exercise challenge for (frail) older adults*
Jefferson Santana^{1,2}, Dihogo de Matos^{1,2}, Asher Mendelson⁴, Todd Duhamel^{2,5}, Stephen Cornish^{2,3}, Rodrigo Villar^{2,3}
¹Applied Health Sciences Ph.D. Program, Faculty of Graduate Studies, University of Manitoba, ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Centre on Aging, University of Manitoba; ⁴Max Rady College of Medicine, Internal Medicine, Section: Critical Care Medicine, University of Manitoba; ⁵Institute of Cardiovascular Sciences, St. Boniface General Hospital Albrechtsen Research Centre
15. **The relationship between oxidative and psychosomatic stress with toxic masculine behaviors on aging males**
Ali Goksu^{1,2}, Todd G. Pierce³
¹University of Manitoba; ²American Psychological Association Division 1; ³Isla Mujeres Field School

In person Research Affiliate posters

1. *Visitation shelters for the long-term care setting during the pandemic: An exploratory study*

Michelle M. Porter^{1,2}, Shauna Mallory-Hill^{1,3}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Faculty of Architecture, University of Manitoba

2. *Exploring the role of vision during walking: Outdoor walking, distracted walking and more!*

Veronica Miyasike-daSilva^{1,2}, Brontë Vollebregt², Larissa Feitosa-dosSantos^{2,3}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Faculty of Nutrition, Federal University of Alagoas, Brazil

3. *Vulnerability profile of older adults living in Remnant Quilombola communities in the state of Alagoas, Brazil*

Larissa Feitosa-dosSantos^{1,2}, Haroldo S. Ferreira¹, Veronica Miyasike-daSilva²

¹Faculty of Nutrition, Federal University of Alagoas, Brazil; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

4. *Oxygen uptake response during exercise in older adults living with frailty*

Rodrigo Villar^{1,2}, Dihogo Gama de Matos^{1,2}, Jefferson Lima de Santana^{1,2}, Yoon Sik-Park¹, Faith Olarinde¹, Tanvir Kaur¹, Alina Derksen¹, Daryna Lopukh¹, Frederick Yeoh¹, Felipe José Aidar^{1,3}, Todd A. Duhamel^{2,4,5}

¹Cardiovascular & Physiology of Exercise Research Laboratory, Faculty of Kinesiology and Recreation Management, University of Manitoba; ²Centre on Aging, University of Manitoba; ³Department of Physical Education and Kinesiology, Federal University of Sergipe, Brazil; ⁴Institute of Cardiovascular Sciences, St. Boniface General Hospital Albrechtsen Research Centre, Winnipeg, Manitoba, Canada; ⁵Faculty of Kinesiology and Recreation Management, University of Manitoba

In person retrospective posters

1. *Years of findings from Candrive – a longitudinal study of older Canadian drivers*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

In person briefing notes

1. *Key issues in home care in Manitoba*

Christine Kelly^{1,2}, Laura M. Funk^{1,3}, **Lisette Dansereau**²

¹Centre on Aging, University of Manitoba; ²Department of Community Health Sciences, University of Manitoba; ³Department of Sociology and Criminology, University of Manitoba

2. *Briefing document recommendations for the provincial aging strategy*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

Virtual student posters

1. *Virtual motivational interviewing for physical activity among older adults: A feasibility study*

Olayinka Akinrolie¹, Jacquie Ripat², Shaelyn Strachan³, Sandra C Webber⁴, Allister McNabb³, Jennifer Peters³, Sasha Kullman³, Ruth Barclay⁴

¹Applied Health Sciences Program, Faculty of Graduate Studies, University of Manitoba, Winnipeg, Canada ; ²Department of Occupational Therapy, College of Rehabilitation Sciences, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Manitoba, Canada; ³Faculty of Kinesiology and Recreation Management, University of Manitoba, Winnipeg, Canada; ⁴Department of Physical Therapy, College of Rehabilitation Sciences, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Manitoba, Canada

2. *An evaluation of Reimagine Aging: A new theory-based program to reduce internalized ageism*

Dallas J. Murphy^{1,3}, Michelle M. Porter^{1,2}, Corey S. Mackenzie³

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Department of Psychology, University of Manitoba

3. *Perceived control moderates the internalized stigma model of seeking mental health services in older adults*

Dallas J. Murphy¹, Corey S. Mackenzie¹, Rob P. Dryden, M. A.¹, Jeremy H. Hamm²

¹Department of Psychology, University of Manitoba; ²Department of Psychology, North Dakota State University

4. *Pilot study to formulate a virtual reality serious game for spatial orientation training of older adults living with dementia*

Rashmita Chatterjee¹, Zahra K. Moussavi^{1,2,3}

¹Department of Biomedical Engineering, University of Manitoba; ²Centre on Aging, University of Manitoba; ³Department of Electrical and Computer Engineering, University of Manitoba

5. *Designing an augmented immersive virtual reality driving simulator for advanced Alzheimer's disease patients and investigating its efficacy on institutionalized Alzheimer's residents*

Zahra Moussavi^{1,2,3}, **Seyedsaber Mirmiran**²

¹Centre on Aging, University of Manitoba; ²Department of Biomedical Engineering, University of Manitoba; ³Department of Electrical and Computer Engineering, University of Manitoba

6. *Ageism and the older university student*

Cornelia Kauenhowen

Sociology, University of Manitoba

7. *Understanding the impacts of COVID-19 messaging on the occupational engagement of older adults in Manitoba*

Julia Cacoilo¹, Saadia Ahmed¹, Ruheena Sangrar¹, Michelle Porter^{2,3}, Stephanie Chessser^{2,3}

¹Department of Occupational Science and Occupational Therapy, University of Toronto; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Centre on Aging, University of Manitoba

8. *Examining trajectories in health and quality of life of younger and older adults with intellectual and developmental disabilities: Findings from a Manitoba longitudinal study*

Kayla Kostal^{*1}, **Maria Baranowski**^{*1}, Margherita Cameranesi¹, Lindsay McCombe², Jenna Heschuk², Shahin Shooshtari^{1,2}

*Co-first authors and presenters

¹Department of Community Health Sciences, University of Manitoba;

²St. Amant Research Centre

9. *Gauging interest and needs in professional development and continuing education in aging in Manitoba, Canada*

Michelle M. Porter^{1,2}, William Kops^{1,3}, Nicole J. Dunn¹, **Sean Ticsay**¹

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Extended Education, University of Manitoba

Virtual Research Affiliate posters

1. *Conceptualizing family-friendliness at the University of Manitoba: Exploring aging and caregiving roles*

Stephanie Chessser^{1,2}, Samantha Steele-Mitchell¹

¹Faculty of Kinesiology and Recreation Management, University of Manitoba;

²Centre on Aging, University of Manitoba

2. *Visitation shelters for the long-term care setting during the pandemic: An exploratory study*

Michelle M. Porter^{1,2}, Shauna Mallory-Hill^{1,3}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Faculty of Architecture, University of Manitoba

3. *An unbiased and objective separation of Alzheimer's, Alzheimer's mixed with cerebrovascular symptomology, and healthy controls using electrovestibulography (EVestG)*

Zeinab A. Dastgheib¹, Brian J. Lithgow¹, Zahra K. Moussavi¹

¹Diagnostic and Neurological Processing Research (Electrovestibulography or EVestG) Laboratory, Biomedical Engineering Program, University of Manitoba, Riverview Health Centre, Winnipeg, MB, Canada

4. *Exploring the role of vision during walking: Outdoor walking, distracted walking and more!*

Veronica Miyasike-daSilva^{1,2}, Brontë Vollebregt², Larissa Feitosa-dosSantos^{2,3}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba; ³Faculty of Nutrition, Federal University of Alagoas, Brazil

5. *Oxygen uptake response during exercise in older adults living with frailty*

Rodrigo Villar^{1,2}, Dihogo Gama de Matos^{1,2}, Jefferson Lima de Santana^{1,2}, Yoon Sik-Park¹, Faith Olarinde¹, Tanvir Kaur¹, Alina Derksen¹, Daryna Lopukh¹, Frederick Yeoh¹, Felipe José Aidar^{1,3}, Todd A. Duhamel^{2,4,5}

¹Cardiovascular & Physiology of Exercise Research Laboratory, Faculty of Kinesiology and Recreation Management, University of Manitoba; ²Centre on Aging, University of Manitoba; ³Department of Physical Education and Kinesiology, Federal University of Sergipe, Brazil; ⁴Institute of Cardiovascular Sciences, St. Boniface General Hospital Albrechtsen Research Centre, Winnipeg, Manitoba, Canada; ⁵Faculty of Kinesiology and Recreation Management, University of Manitoba

Virtual retrospective poster

1. *Years of findings from Candrive – a longitudinal study of older Canadian drivers*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

2. *Adaptive mindsets: Implications for quality of life*

Judith G. Chipperfield^{1,2}, Patti C. Parker³, Jeremy M. Hamm⁴, Loring P. Chuchmach⁵, Raymond P. Perry², Steve Hladkyj², Dallas Murphy^{1,2}, & Robert P. Dryden²

¹Centre on Aging, University of Manitoba, ²Department of Psychology, University of Manitoba, ³Department of Psychology, Thompson Rivers University, ⁴Department of Psychology, North Dakota State University, ⁵George and Fay Yee Centre for Healthcare Innovation, University of Manitoba.

Virtual briefing notes

1. *Key issues in home care in Manitoba*

Christine Kelly^{1,2}, Laura M. Funk^{1,3}, **Lisette Dansereau**²

¹Centre on Aging, University of Manitoba; ²Department of Community Health Sciences, University of Manitoba; ³Department of Sociology and Criminology, University of Manitoba

2. *Aging with life-long intellectual and developmental disabilities*

Shahin Shooshtari^{1,2,3}, Leslie Udell³, Arlene Wilgosh³

¹Department of Community Health Sciences, University of Manitoba; ²St. Amant Research Centre; ³The NTG-Canadian Consortium

3. *Family caregiving for older adults in Manitoba*

Laura M. Funk^{1,2}, Michelle Lobchuk^{2,3}, Jamie Penner^{2,3}

¹Department of Sociology and Criminology, University of Manitoba; ²Centre on Aging, University of Manitoba; ³College of Nursing, Rady Faculty of Health Sciences, University of Manitoba

4. *Recommendations for how to combat ageism*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

5. *Weather emergencies*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

6. *Lifelong learning recommendations*

Michelle M. Porter^{1,2}

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7. *Longevity dividend*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

8. *Transportation recommendations*

Michelle M. Porter^{1,2}

¹Centre on Aging, University of Manitoba; ²Faculty of Kinesiology and Recreation Management, University of Manitoba

9. Vaccination recommendations

Michelle M. Porter^{1,2}

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10. Older adults, caregivers and eServices

Celine Latulipe^{1,2}

¹Centre on Aging, University of Manitoba; ²Department of Computer Science, University of Manitoba

Symposium exhibitors

Connect with our exhibitors in the Joe Doupe Concourse to learn more about the services they offer to support older people in the community.

If you are unable to connect with them in person, visit their Web site for more information.



Support Services for Older Adults

A&O Support Services for Older Adults
www.aosupportservices.ca



VICTORIA LIFELINE
Safe and independent living.

Victoria Lifeline
www.victorialifeline.ca



Targeting Isolation
www.targetingisolation.com



**University
of Manitoba**

UM Recreation Services
[umanitoba.ca/community/sport-recreation/
recreation-services](http://umanitoba.ca/community/sport-recreation/recreation-services)

Research participants needed



The Centre on Aging, University of Manitoba has created an electronic database of individuals 55 years and over who are willing to be contacted by researchers about whether they would like to participate in aging-related studies.

To become part of the database, contact the Centre (204-474-8754) or go online for full details: umanitoba.ca/aging

Vaccination decision making in long-term care

The Centre on Aging is conducting a research project exploring the COVID-19 vaccination decision-making process in Manitoba personal care homes (PCH), specifically for residents who were not able to make their own vaccination decision.

We are recruiting adults 18+ who either worked or volunteered at a Manitoba PCH during the pandemic or were a family member or friend of a PCH resident in Manitoba during the pandemic.

To participate in this study, you can:

1. complete our online survey which will take about 10–20 minutes. Go to our survey link: <https://www.surveymonkey.com/r/C7QJ6LC> and/or
2. Take part in a structured 1-hour interview with questions related to your experience with the COVID-19 vaccination decision-making process.



If you would like more information about the study or if you have any questions, please send us an email at COVID.Vaccination.Decision.Making@umanitoba.ca or phone 204-474-6583.



Help us stay green!

Did you know that the University of Manitoba has a commitment to sustainability, which is outlined in their [Sustainability Strategy 2019–2023](#)?

As a Symposium attendee, you can help out by

- Recycling your Symposium program at the end of the day. Look for the blue recycling bins around campus.
- Return your name badge to the Registration desk at the end of the day.
- Bringing your reusable water bottle from home. Several water bottle fill stations can be found in and around the presentation theatres:
 - * Main floor of the Brodie Centre by the Answers booth and ATM
 - * Second floor by Theatre B of the Basic Medical Sciences Building

Connect with STAR!

The Centre on Aging hosts the Students Targeting Aging Research (STAR) group for students attending the University of Manitoba. The aim of STAR is to provide students, with an interest in aging topics, with an opportunity to actively engage and connect with one another, discuss shared interests, network with peers, learn about current issues in gerontology from researchers and practitioners in aging, and stay up-to-date on aging related topics using an interdisciplinary perspective.

To join the STAR group, email the co-leads at star@umanitoba.ca to get on the mailing list.

Students Targeting Aging Research



University of Manitoba (UM) students with an interest in aging related topics are invited to join the Students Targeting Aging Research (STAR) group. STAR members are graduate and undergraduate students who are studying aging related topics from across the UM.

Gerontology is a growing field, with many opportunities to work with and learn from older people. Statistics Canada's demographic projections for 2024 show that one in five Canadians should be aged 65 and older.

Benefits of joining STAR

- Connect with students from various disciplines
- Learn about careers in aging from professionals working in aging related fields and organizations
- Hear about current aging research from Centre on Aging Research Affiliates
- Join our mailing list to stay up-to-date on aging events, funding, training, jobs, and other opportunities for students
- Gain official UM credit for volunteering and participating through the co-curricular record



Attending a STAR meeting

Currently, meetings are held virtually until it is safe to meet in person.



Meeting topics vary and are based on STAR member recommendations and interests. A typical meeting involves an information presentation and opportunity to ask questions from researchers, staff working with older adults, invited community members, network with peers, or take part in outreach activities to help support older adults in the community.

STAR is a peer led group and a university-approved activity. STAR is supported by the Centre on Aging.

Connect with STAR

Students with questions about joining STAR can connect with the co-leads, Lisette Dansereau and Chetan Patil by email: star@umanitoba.ca



Students Targeting Aging Research (STAR)
star@umanitoba.ca
umanitoba.ca/centre-on-aging/student-opportunities/students-targeting-aging-research



Age-friendly University

In 2016, the University of Manitoba became the first Age-Friendly University in Canada. Learn more about how the UM is working towards being age-friendly by visiting: <https://umanitoba.ca/centre-on-aging/age-friendly-university>



Centre on Aging

Research Student opportunities Community and partners Facts on aging Age-friendly university



Symposium reminders



Tell us what you think

At the conclusion of our Symposium, complete the online survey by **May 5**, to provide feedback on this year's Symposium presentations:

<https://www.surveymonkey.com/r/CVZGM82>

Join our mailing list!



Every two weeks the Centre publishes an electronic newsletter delivered directly to your inbox.

Our biweekly updates provides information on the Centre's upcoming events. Additional information includes upcoming conferences, funding and job opportunities, aging related resources, and more. To sign up for our list, email coaman@umanitoba.ca to be added.

Special thank you to...



This year's 40th Annual Spring Research Symposium would not be possible without the assistance and support from the following people:

- Honourable Scott Johnston for bringing virtual greetings on behalf of the province
- Dr. Annemieke Farenhorst, Associate Vice-President (Research) for bringing virtual greetings on behalf of the University
- Our presenters: Drs. Neena Chappell, Daniel Sitar, Sandra Webber, Jamie Falk, Megan Davies, Laura Funk, Mary Shariff, and Phil St. John.
- Student volunteers from our STAR group.
- Centre staff for helping to organize the Symposium: Rachel Ines and Nicole Dunn.
- Audiovisual and Multi-media Services staff for assisting us with our online Symposium and virtual posters: Myke Kurnell, Trevor Tomlinson, and Damir Hamzic.
- All the students, post-doctoral fellows, and research affiliates who submitted their virtual posters.
- Our exhibitors: A&O Support Services for Older Adults, Victoria Lifeline, Targeting Isolation, and UM Recreation Services.

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