



Dialogue on Aging

37th Annual Spring Research Symposium
May 4 | Online streaming starting at 9 am

May 7 | Online re-stream starting at 1 pm

Online presentation

37th Annual Spring Research Symposium | May 4, 2020

Spring Symposium online streaming

Time scheduled	Presenter
	Part 1: Symposium presentations
9:00–9:09 am	Opening remarks: Michelle Porter, PhD, Director Centre on Aging University greetings: Digvir Jayas, OC, PhD, DSc, PAg, PEng, Vice-President (Research and International)
9:09–9:40 am	Opening plenary presentation Meaghan J. Jones , PhD, Assistant Professor, Dept. of Biochemistry and Medical Genetics UM Recreation Services health break
9:46–10:24 am	Celine Latulipe , PhD, Associate Professor, Department of Computer Science UM Recreation Services health break
10:30–11:19 am	Albert Evrard , PhD, Visiting Scholar, Robson Hall, Faculty of Law, University of Manitoba; Research Fellow, Jesuit Centre for Catholic Studies UM Recreation Services health break
11:24–11:54 am	Stephanie Chesser , PhD, Research Associate/Post-doctoral Fellow Centre on Aging
11:54–11:55 am	Closing remarks: Michelle Porter, PhD, Director Centre on Aging Conclusion part 1: Symposium Complete online evaluation survey by May 15
	Break
1:00–5:00 pm	Part 2: Student poster session Poster session online

Centre on Aging staff

Michelle Porter, PhD
Director

Nicole Dunn, MA
Associate Director

Rachel Ines, Dipl., BA
Administration and Communications Coordinator

Stephanie Chesser, PhD
Research Associate/
Post-doctoral Fellow

Barbara Borges, PhD
Research Associate/
Post-doctoral Fellow

The University of Manitoba is committed to achieving accessibility for those disabled by barriers. Please contact Centre staff by email at coaman@umanitoba.ca in advance if you require any accessibility accommodations to participate.

Spring Symposium re-streaming | May 7

For those unable to stream the 37th Annual Spring Research Symposium on May 4, the Centre will **re-stream** both the Symposium and poster sessions concurrently on Thursday, on May 7 from 1:00–5:00 pm from the same links listed above.

May 4: Online presentations

9:00–9:09 am

Welcome and greetings

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

Digvir Jayas, OC, PhD, DSc, PAg, PEng, Vice-President (Research and International), University of Manitoba

9:09–9:40 am

Opening plenary

Plenary introduction: Meagan Campbell, Master's student, Dept. of Community Health Sciences, Max Rady College of Medicine, Rady Faculty of Health Sciences

Epigenetic aging and health

Meaghan J. Jones, PhD, Assistant Professor, Dept. of Biochemistry and Medical Genetics, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba

Dr. Jones will discuss the principles of epigenetics and how epigenetic marks change with age. She will describe current understanding of what causes epigenetic changes with age and how these relate to long term health. Finally, Dr. Jones will discuss the concept of the epigenetic clock, which can predict chronological age from the epigenome, and her recent research on how the epigenetic clock in mice is altered by environmental exposures.

UM Recreation Services health break

9:46–10:24 am

Presentation sessions

Session introduction: Lisette Dansereau, Doctoral student, Dept. of Community Health Sciences, Max Rady College of Medicine, Rady Faculty of Health Sciences

Does technology see caregivers?

Celine Latulipe, PhD, Associate Professor, Dept. of Computer Science, Faculty of Science, University of Manitoba

Older adults commonly rely on a caregiver to help them navigate technological systems. There are very few cases where those technological systems are built to explicitly support a 'close other' or caregiver acting as a proxy user. In this talk, I will provide some examples from my own research and the research of others that details what the risks are for older adults having caregivers use technology on their behalf, and the issues that arise when this happens. I will go through some design considerations for building online systems (such as eBanking, eGovernment, eHealth and eShopping) that could mitigate some of the privacy and security risks associated with caregivers using these services on behalf of older adults.

UM Recreation Services health break

10:30–11:19 am

Session introduction: Mikyung Lee, Master's student, Faculty of Kinesiology and Recreation Management

What does human rights have to say about older age?

Albert Evrard PhD, University of Namur, Belgium; Visiting Scholar, Robson Hall, Faculty of Law, University of Manitoba; Research Fellow, Jesuit Centre for Catholic Studies

Although in a crepuscular state for decades Aging and Law and more specifically Human Rights is increasingly becoming part of the conversation on Aging since 2010. Where to find this part of the conversation at international and regional American, African, Asian, Oceanic and European levels? Besides, does Older Age, Longevity and the growing number of Old and very Old persons in our western societies offer an opportunity to reshape Human Rights differently or do we keep going with Old schemes on Human Rights? What is it about: Revamped Old rights and freedoms? New rights and freedoms to come? Duties?

UM Recreation Services health break

Session introduction: Courtney Addison, Master's student, Faculty of Kinesiology and Recreation Management

11:24–11:54

Intergeneration learning and post-secondary education: Possibilities and promise

*Stephanie Chesser, PhD, Research Associate/Post-doctoral Fellow, Centre on Aging, University of Manitoba

Melissa Krook, Master's student, Centre on Aging, University of Manitoba

Historically, the practice of individuals of all ages learning with and from each other (i.e., intergenerational learning) has been common across cultures around the globe. However, it has, arguably, only been in recent years that colleges and universities have begun to recognize the possibilities that intergenerational learning can offer to their institutions and communities at large. Likely influenced by Dublin City University's Age-Friendly University Initiative and principles (which encourage institutions to commit to becoming more age-inclusive spaces), many are now designing and testing programs that bring younger and older people together in innovative ways. This presentation will describe specific examples of post-secondary intergenerational learning opportunities and will discuss the benefits such programming can provide to older people, students, and overall academic culture. Discussion of the effects of the coronavirus pandemic on intergenerational opportunities will also be incorporated.

**Presenting at session*

11:54–11:55 am

Closing remarks, Michelle Porter, PhD

1:00–5:00 pm

Student poster session online

Presenter biographies

Plenary presenter

Meaghan Jones, PhD



Dr. Meaghan Jones uses a combination of human population epigenetic data and controlled exposure animal models to ask whether epigenetics might serve as a long-term cellular memory of prenatal and early life environments that goes on to affect lifelong health. In particular she is interested in epigenetic marks induced by inhaled pollutants, including tobacco and cannabis smoke, and how these marks might influence health outcomes including asthma and obesity throughout the lifespan.

Dr. Jones also has an interest in aging and the phenomenon of epigenetic age. She is an Assistant Professor in the Department of Biochemistry and Medical Genetics in the Rady Faculty of Health Sciences, and a Scientist at the Children's Hospital Research Institute of Manitoba. Dr. Jones is a Research Affiliate of the Centre on Aging and the 2019–2020 Research Fellowship recipient. Her Fellowship research focuses on *An epigenetic biomarker of age in the mouse*.

Session presenters

Celine Latulipe, PhD



Dr. Celine Latulipe is an Associate Professor in the Department of Computer Science, Faculty of Science at the University of Manitoba. She received her PhD in Computer Science from the University of Waterloo, as well as her Master of Mathematics in Computer Science and a Bachelor of Arts in Honours Economics and Applied Studies.

Dr. Latulipe joined the University of Manitoba in 2019, coming from the University of North Carolina at Charlotte. She is a member of the Human-Computer Interaction Lab at the University of Manitoba, where students and professors working in the lab are committed to exploring new and innovative research areas in human-computer interaction. Dr. Latulipe is a Research Affiliate at the Centre on Aging. One area of her research involves understanding how older adults and their caregivers engage with technology, and developing systems and tools to support a partnership model for the older adult's digital life.

Albert Evrard, PhD



Attorney and Legal Adviser based in Brussels (Belgium) for more than 13 years, Albert Evrard moved to university to continue research and action in the field of Aging that started in very early stage as a student. More precisely, about the way the Occidental world does consider growing older being fully part of a life-giving life long process for everyone. Starting with Law and domestic violence, the exploration of raised questions and issues has benefited a previous stay in Canada. 2013-2015 offered the opportunity to explore representations of Old Age in Art (National Gallery of Ontario) and to go in depth in theological, spiritual and anthropological approaches of Aging as an individual and collective phenomenon (Regis College, University of Toronto). Besides, a benchmark of the Elder Law Clinic scene both in Canada and USA and an internship at the Elder Law Legal Clinic in Montreal (McGill University) were important moments of this journey. Not to mention that every often, an inside stay in a nursing home (for instance, at PLAP or Jerusalem), allow both self-awareness, insight and resourcing for both elderly people, staff and the insider. This 2019-2020 Visiting research position at Robson Hall offers a great opportunity to, mainly, update a book published in 2005 (in French) on *Older persons: A international and European human right perspective*.

Photo credit: St. Paul's College, Jesuit Centre

Stephanie Chesser, PhD



As a Research Associate with the Centre on Aging, Stephanie is conducting research related to the Manitoba Our Voice Initiative (MOVI). This project, which utilizes citizen science (i.e., the partnering of community volunteers with scientists to investigate real-world problems), will explore the feasibility of older adults using a tablet-based data collection app to assess the age-friendliness of their communities, as well as the University of Manitoba.

Previously, Stephanie received her Ph.D. (Recreation and Leisure Studies, specialization in aging, health and well-being) from the University of Waterloo, her Master of Public Health degree from Lakehead University, and her Bachelor's degree (Biology) from Queen's University. She also holds two postgraduate certifications in Health Services and Policy Research (Lakehead University) and University Teaching (University of Waterloo).

Stephanie's research interests include gender, well-being, and leisure across the life course, as well as qualitative methodologies. Beginning in July 2020, she will begin a new position as an Assistant Professor with the Faculty of Kinesiology and Recreation Management at the University of Manitoba.

Spring Research Symposium poster session

The student posters session will be available for viewing online from 1–5 pm on May 4 and May 7. Most student poster include audio narration.

Virtual poster session

***Presenter's name is bolded for posters with audio narration**

Student posters

- Group-based exercise programs for older adults in Manitoba—An exploratory study*
Mikyung Lee¹, Michelle Porter^{1,2}
¹Faculty of Kinesiology and Recreation Management, University of Manitoba;
²Centre on Aging, University of Manitoba
- An environmental scan of Indigenous aging content within post-secondary courses*
Mackenzie Chartrand, Centre on Aging, University of Manitoba
- Age is just a number – and so is frailty: Strategies to inform resource allocation during COVID-19*
Kevin F. Boreskie^{1,2}, P.E. Boreskie³ and Don Melady⁴
¹Faculty of Applied Health Sciences, University of Manitoba, Winnipeg, Manitoba; ²Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Manitoba, Canada; ³Department of Emergency Medicine, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Manitoba, Canada; ⁴Schwartz-Reisman Emergency Medicine Institute, Department of Family and Community Medicine, University of Toronto, Toronto, Ontario, Canada.
- Narrative therapy with older adults with experiences of homelessness and co-occurring issues*
Dorothy Sreeporna Choudhury, Faculty of Social Work
- Do capacity tests predict walking performance in community-dwelling older adults?*
Sabrina A. Schlickmann Gil, PT; Sandra Webber, PhD
College of Rehabilitation Sciences, Rady Faculty of Health Sciences, University of Manitoba
- A mobile application to train family caregivers of older adults with dementia: Development and validation*
Anna Polyvyana, BSc¹; Ali Maddahi, PhD, PEng^{1,2}; Amir M. Nassiri, MSc¹; Yaser Maddahi², PhD, PEng¹; Mohamed-Amine Choukou, PhD^{1,3}
¹ Department of Occupational Therapy, College of Rehabilitation Sciences, University of Manitoba; ² Department of Research and Development, Tactile Robotics; ³ Riverview Health Centre

7. *Pannexin1 And Alzheimer's Disease: A novel therapeutic target*
Chetan S. Patil^{1,2}, Natalie Lavine^{1,2} And Michael F. Jackson^{1,2}
¹Neuroscience Research Program, Kleysen Institute for Advanced Medicine, Health Sciences Centre, Winnipeg, MB, Canada; ²Department of Pharmacology and Therapeutics, Rady Faculty of Health Sciences, University of Manitoba, MB, Canada.
8. *Understanding Relationship-building in Home Care Settings*
Danielle Saj¹, Dr. Laura Funk², Dr. Genevieve Thompson³
¹Department of Sociology, ²Department of Sociology, ³College of Nursing, University of Manitoba
9. *Older adults' use of voice interaction to control the media*
Oppong Isaac¹, Rey Bradley², Srivastava Srijia³, Walid Shaiket⁴
College of Rehabilitation Sciences¹, Department of Computer Science ^{2,3,4}, University of Manitoba
10. *Qualitative evaluation of an information decision-aid for late-life depression*
Stephanie Dudok MA,¹ Kristin Reynolds PhD,¹ Dylan Davidson MA,¹ Teaghan Pryor,¹ Lesley Koven PhD²
University of Manitoba Department of Psychology,¹ University of Manitoba Department of Clinical Health Psychology²
11. *Changing mindset at older age: Can a cognitive intervention be effective?*
M. Krylova¹, P. Parker¹, J. Chipperfield¹, L. Chuchmach¹, J. Hamm², R. Perry¹, S. Hladkyj¹, & G. Gill¹
¹University of Manitoba, ² North Dakota State University
12. *Survey of 'close others' about helping older adults with banking and finance activities*
Ronnie D'Souza & Celine Latulipe, PhD
Department of Computer Science, Faculty of Science, University of Manitoba
13. *Factors that impact Chinese Canadian family carers' intention to use long-term care facilities and home support services*
Liyong Qiao¹, Michelle Lobchuk¹, Wanda Chernomas¹ and Hai Luo²
¹College of Nursing, University of Manitoba; ²Faculty of Social Work, University of Manitoba

Symposium reminders

If you are taking part in the health break exercises, make sure you are using a stable chair. **Do not use a chair with wheels** to complete the exercises.



At the conclusion of our Symposium, complete the online survey by **May 15 at 4 pm**, to provide feedback on this year's Symposium presentations: www.surveymonkey.com/r/QB95YS3

Special thank you

This year's 37th Annual Spring Research Symposium would not be possible without the assistance and support from the following people:

- Dr. Digvir Jayas for bringing virtual greetings on behalf of the University
- Our presenters for adapting their presentations to an online format: Meaghan Jones, Celine Latulipe, Albert Evrard, and Stephanie Chesser
- Our STAR students for the presenter introductions: Meagan Campbell, Lisette Dansereau, Mikyung Lee, and Courtney Addison.
- Centre staff for helping to organize the Symposium: Rachel Ines and Nicole Dunn.
- Audiovisual and Multi-media Services Bannatyne staff for assisting us with our online Symposium and virtual student poster format: Myke Kurnell and Chris Rogoski.
- Recreation Services for creating the health break videos: Tanya Angus, Heather Bailey, Kyle Sokoloski, and Faralee Wilson
- All the students who submitted their virtual posters.