

# AGENDA

## 1ST SCIENTIFIC MEETING OF THE CANADIAN TRANSLATIONAL GEROSCIENCE NETWORK

**September 5 - 6, 2024**

**Research Institute of the McGill University Health Centre  
(RI-MUHC), Auditorium**

**Thursday, September 5<sup>th</sup>, 2024**

<b>SESSION 1 - WORKSHOPS</b>	
<b>09:00-10:00</b>	<b>How to investigate the hallmarks of aging: From bench to bedside</b> Jeremy Van Raamsdonk - McGill University (Canada) Chantal Autexier - McGill University (Canada) Louis R. Lapierre - Université de Moncton (Canada) Michael Kobor - University of British Columbia (Canada)
<b>10:00-11:00</b>	<b>How to design my geroscience clinical trial ?</b> Mohammad Auais - Queen's University (Canada) George A. Kuchel - University of Connecticut (USA) James Kirkland - Cedars-Sinai (USA) John Muscedere - Queen's University (Canada)
<b>11:00-11:15</b>	<b>Coffee break - networking</b>
<b>11:15-12:15</b>	<b>Bringing my discovery to real life: IP, commercialization, implementation</b> Guy Hajj-Boutros - McGill University (Canada) Ann Beliën - Rejuvenate Biomed (Belgium)
<b>12:15-13:30</b>	<b>Lunch/poster session</b>

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**Thursday, September 5<sup>th</sup>, 2024**

<b>SESSION 2 - BIOMEDICAL RESEARCH</b>	
<b>Chair : Jeremy Van Raamsdonk - McGill University (Canada)</b>	
<b>13:30-13:45</b>	<b>Opening ceremony</b> Jane Rylett – Scientific Director CIHR-IA (Canada) Rhian Touyz – Scientific Director RI-MUHC (Canada)
<b>13:45-14:30</b>	<b>Targeting kynurenine metabolism in aging and age-associated disease</b> George Sutphin - University of Arizona (USA)
<b>14:30-15:15</b>	<b>CRISPR-based screens to illuminate the genetic landscape in response to the senotherapeutic compounds resveratrol and pterostilbene</b> Lea Harrington - University of Toronto (Canada)
<b>15:15-16:15</b>	<b>Short presentations by students and ECIs</b>
<b>16:15-16:30</b>	<b>Coffee break - networking</b>
<b>16:30-17:00</b>	<b>Official launch of the Canadian Translational Geroscience Network</b>
<b>17:00-19:00</b>	<b>Reception</b>

# AGENDA

**Friday, September 6<sup>th</sup>, 2024**

<b>SESSION 3 - INTEGRATING GEROSCIENCE IN CLINICAL PRACTICE AND RESEARCH</b>	
<b>Chair : John Muscedere - Queen's University (Canada)</b>	
<b>9:00-9:30</b>	<b>Frailty as deficit accumulation and its role in geroscience</b> Kenneth Rockwood - Dalhousie University (Canada)
<b>9:30-9:55</b>	<b>Implementing geroscience into clinical practice</b> Alexandra Papaioannou - McMaster University (Canada)
<b>9:55-10:25</b>	<b>Abdominal aortic calcification and healthy ageing: a message from the heart</b> Marc Sim - Edith Cowan University (Australia)
<b>10:25-10:50</b>	<b>Investigating the impact of physical activity on physical performance, mitochondrial bioenergetics, ROS production and calcium handling across the human adult lifespan</b> Gilles Gouspillou - UQAM (Canada)
<b>10:50-11:05</b>	<b>Coffee break - networking</b>
<b>11:05-12:05</b>	<b>Short presentations by students and ECIs</b>
<b>12:05-13:30</b>	<b>Lunch/poster session</b>
<b>SESSION 4 - IMPLEMENTING GEROSCIENCE INTO POLICY AND PRACTICE</b>	
<b>Chair : Gustavo Duque - McGill University (Canada)</b>	
<b>13:30-14:10</b>	<b>XPRIZE Healthspan: A global competition to advance translational geroscience</b> Jamie Justice - XPRIZE Healthspan (USA)
<b>14:10-14:40</b>	<b>Developing effective treatments for diseases of aging through pathway-driven drug development</b> Jeroen Aerssens - Rejuvenate Biomed (Belgium)
<b>14:40-15:10</b>	<b>Geroscience in practice: technology that adds therapy to every step</b> Nancy Mayo - McGill University (Canada)
<b>15:10-16:10</b>	<b>Short presentations by students and ECIs</b>
<b>16:10-16:25</b>	<b>Coffee break - networking</b>
<b>16:25-17:00</b>	<b>Awards and closing ceremony</b>

# SHORT PRESENTATIONS

SESSION 2 - September 5 <sup>th</sup> , 2024	
15:15	<b>Decoding Ageing and Rejuvenation: Multi-Omic Insights from Fat Transplantation</b> Alibek Moldakozhayev - McGill University (Canada)
15:30	<b>Picolinic acid, a catabolite of tryptophan, has an anabolic effect on myoblasts in vitro and increases mobility in C. Elegans</b> Daniel Rivas - McGill University (Canada)
15:45	<b>Ketogenic interventions prevent early alterations of the microbiome in an Alzheimer's disease mouse model</b> Paule MBRA - Université de Sherbrooke (Canada)
16:00	<b>Microglia Morphology Characterization in Aging</b> Ayesh Seneviratne - Western University (Canada)
SESSION 3 - September 6 <sup>th</sup> , 2024	
11:05	<b>Exercise and the brain: cell-specific effects of wheel-running on the hippocampus in an animal model of Alzheimer's disease</b> Jessica Avila Lopez - Université de Sherbrooke (Canada)
11:20	<b>Role of Axon Regeneration Pathways in Longevity</b> Ekin Celtikcioglu - McGill University (Canada)
11:35	<b>Metabolic effects of 14-day bed rest in 55-65-year-old men and women</b> Carmelo Manstrandrea - University of Waterloo (Canada)
11:50	<b>AI-driven approach for computational phenotyping with CARTaGENE Cohort</b> Ziyang Song - McGill University (Canada)
SESSION 4 - September 6 <sup>th</sup> , 2024	
15:10	<b>Diet and Intrinsic Capacity in Middle-aged and Older Adults from the Canadian Longitudinal Study on Aging</b> Suey Yeung - University of Ottawa (Canada)
15:25	<b>Developing an Intervention to Slow Down and/or Prevent the Progression of Frailty</b> Patrick McGowan - University of Victoria (Canada)
15:40	<b>Translational Gerontology and the Ethics of Science Communication</b> Colin Farelly - Queen's University (Canada)
15:55	<b>How can Translational Geroscience address minority health disparities? The role of social relationships, sexuality, and sex/gender in healthy aging</b> Douglas William Hanes - University of Ottawa (Canada)