

11th Annual Muscle Health Awareness Day

Speaker Profiles



Dr. Imed Gallouzi, *McGill University*

Dr. Imed Gallouzi is a Professor and Associate Chair in the Department of Biochemistry at McGill. His research area is mRNA metabolism during the cell cycle and cell differentiation. He uses the tools of molecular and cell biology to study problems in this field. Dr. Gallouzi's long-term research goals focus on understanding the cellular mechanisms involved in the regulation of mRNA turnover and how they affect cell growth and differentiation.



Dr. Jacob Haus, *University of Michigan*

Dr. Jacob Haus is an Associate Professor of Movement Science and Director of the Human Bioenergetics Laboratory at the University of Michigan School of Kinesiology. The focus of the Haus Lab is to identify strategies for the prevention and treatment of diabetic complications. Using aerobic exercise and caloric restriction, they have identified functionally redundant mechanisms, mediated by cellular bioenergetics, that attenuate inflammation and oxidative stress. Their rationale is that once these mechanisms are fully elucidated, progress towards the prevention and treatment of diabetic complications may be possible.



Dr. Scot Kimball, *Pennsylvania State University*

Dr. Kimball is a Professor in the Department of Cellular and Molecular Physiology in the College of Medicine. He is a physiologist with an interest in macronutrients as signaling molecules that regulate mRNA translation. His focus is on pre-clinical investigations of the signaling pathways and mechanisms through which amino acids, carbohydrates, and fatty acids act to modulate the initiation and elongation phases of mRNA translation, with an emphasis on anabolic resistance that manifests in skeletal muscle in response to disuse.



Dr. Sherry Grace, *York University*

Dr. Sherry Grace is a Professor in the School of Kinesiology and Health Science in the Faculty of Health at York University. Professor Grace's research centers on optimizing post-acute cardiovascular care globally, as well as outcomes (including mental health). She has published ~250 papers which have been cited ~11,000 times and authored clinical practice guidelines internationally.



Dr. Sunita Mathur, *University of Toronto*

Dr. Mathur is a physiotherapist and Assistant Professor in the Dept of Physical Therapy. She is the leader of the Muscle Function and Performance Lab, and her research is aimed at improving the health of skeletal muscle in people suffering from profound muscle atrophy and weakness in order to help them regain function and independence. Her research crosses multiple patient populations including people with advanced lung disease, solid organ transplantation and critical illness.



Dr. Philip J. Millar, *University of Guelph*

Dr. Millar is an Associate Professor in the Department of Human Health and Nutritional Sciences at the University of Guelph. He is also an Affiliate Scientist with the Toronto General Research Institute. His work is focused on understanding the mechanisms that regulate sympathetic outflow to skeletal muscle in humans, and the neural contributions to regulating blood pressure at rest and during exercise. Dr. Millar's research program is supported by NSERC, CFI, Parkinson Canada, and an Ontario Early Research Award.



Dr. Kimberly Dunham-Snary, *Queen's University*

Dr. Dunham-Snary studies mitochondrial biology, specifically how genetic and structural changes to mitochondria alter cell function in both physiology and pathology. Her research focuses on cardiopulmonary pathophysiology and the complex etiology of cardiometabolic diseases. She earned her MS in Forensic Science from Penn State University and her PhD from the University of Alabama at Birmingham prior to joining the Department of Medicine at Queen's University, where she is currently a CIHR-funded, senior postdoctoral fellow in the laboratory of Dr. Stephen Archer.



Richard L. Hughson, *University of Waterloo*

Dr. Hughson is the Schlegel Research Chair in Vascular Aging and Brain Health, and the Senior Director of Research at the Schlegel-University of Waterloo Research Institute for Aging. He is a Fellow of the Canadian Academy of Health Sciences, and the recipient of the CSEP Honour Award and the NASA Exceptional Scientific Achievement Medal. His research focuses on cardiovascular adaptations to exercise, inactivity and aging to explore the impact of increased arterial stiffness on brain blood flow and why older persons experience dizziness and increased risk of falling. He is principal investigator on six studies of astronauts on the International Space Station.