

<u>List of MHRC Seminar Speakers (Invited Talks and MHAD Speakers)</u>				
	Speaker Name	University / Affiliation	Topic	Year
1	Dr. Marius Locke	Toronto	NFkB, Muscle	2010
2	Dr. Sandra Peters	Brock	PLIN, PKA, muscle	2010
3	Dr. Scott Heximer	Toronto	Cardiac muscle physiology	2010
4	Dr. Gianni Parise	McMaster	Satellite cells, muscle and exercise	2010
5	Dr. Ingrid Tein	Sick Kids / Toronto	Mitochondrial disease	2010
6	Dr. Graham Holloway	Guelph	Fatty Acids, Muscle	2010
7	Dr. Greg Wells	Toronto	Exercise performance	2010
8	Dr. Anthony Gramolini	Toronto	Sarcoplasmic reticulum function	2010
9	Dr. Bengt Saltin	Copenhagen, Honorary Doctorate	Exercise, fatigue, glycogen	2011
10	Dr. Olivier Birot	York	Muscle angiogenesis	2011
11	Dr. James Rush	Waterloo	Hypertension, muscle	2011
12	Dr. Kyra Pyke	Queen's	Muscle, blood flow	2011
13	Dr. Celine Boudreau	Laurentian	Cytoskeletal proteins in muscle	2011
14	Dr. Russ Tupling	Waterloo	Sarcolipin, muscle	2011
15	Dr. Peter Tiidus	Wilfred Laurier	Hormones, muscle	2011

16	Dr. David Malkin	Toronto	Rhabdomyosarcoma muscle	2011
17	Dr. Simon Lees	Laurentian	Satellite cells, muscle	2011
18	Dr. Greg Steinberg	McMaster	AMPK, muscle	2011
19	Dr. Mark Tarnopolsky	McMaster	Mitochondrial disease, exercise	2011
20	Dr. Vicki Baracos	Alberta	Cancer cachexia	2012
21	Dr. Patrick Seale	Pennsylvania, USA	Brown/beige fat	2012
22	Dr. Tom Hawke	McMaster	Satellite cells, muscular dystrophy	2012
23	Dr. Greg Cartee	Michigan, USA	Insulin sensitivity, muscle	2012
24	Dr. Jack Goodman	Toronto	Cardiac adaptations to exercise	2012
25	Dr. Coral Murrant	Guelph	Angiogenesis	2012
26	Dr. Maureen MacDonald	McMaster	Blood flow in muscle	2012
27	Dr. Tami Martino	Guelph	Circadian rhythms and the heart	2012
28	Dr. Joe Quadrilatero	Waterloo	Apoptosis, muscle	2012
29	Dr. Eldad Zacksenhaus	Toronto	Myogenesis	2012
30	Dr. David Wright	Guelph	Adipose tissue, muscle	2012
31	Dr. Ian Scott	Sick Kids / Toronto	Muscle development	2012
32	Dr. Jason Fish	Toronto	Angiogenesis, muscle	2013

33	Dr. Sabah Hussain	McGill	Autophagy, muscle	2013
34	Dr. Ilona Skerjanc	Ottawa	Cardiomyogenesis	2013
35	Dr. Guillaume Grenier	Sherbrooke	Muscle trauma	2013
36	Dr. Robert Dirksen	Rochester, USA	Calcium, muscle	2013
37	Dr. John Grande	Sick Kids	Neuromuscular junction	2013
38	Dr. Jeffrey Horowitz	Michigan, USA	Metabolism, exercise	2013
39	Dr. Bernard Jasmin	Ottawa	Muscular dystrophy	2013
40	Dr. Jayne Kalmar	Wilfrid Laurier	Neurological, muscle	2013
41	Dr. Geoff Pickering	Western	Angiogenesis, muscle	2013
42	Dr. Lawrence Spriet	Guelph	Mitochondria, muscle	2013
43	Dr. Michael Tschakovsky	Queen's	Muscle blood flow regulation	2013
44	Dr. David Williamson	Buffalo, USA	Cell cycle in muscle	2013
45	Dr. James Carson	South Carolina, USA	Cancer cachexia	2013
46	Dr. Daniel Kane	St. Francis Xavier	Mitochondria, muscle	2013
47	Dr. Marion Pauly	Montpellier, France	Muscle autophagy	2013
48	Dr. Michael Rudnicki	Ottawa Hospital Research Inst.	Stem cells, muscle	2014
49	Dr. Dale Abel	Iowa	Mitochondria, insulin, cardiac failure	2014

50	Dr. Rene Vandenboom	Brock	Myosin light chain phosphorylation	2014
51	Dr. Jeremy Simpson	Guelph	Cardiac Muscle, hypoxia	2014
52	Dr. David MacLennan	Toronto	Calcium, myopathy	2014
53	Dr. Joe Chakkalakal	Rochester	Stem cells, muscle	2014
54	Dr. Penney Gilbert	Toronto	Regeneration, tissue engineering	2014
55	Dr. Ronald Cohn	Sick Kids / Toronto	Muscle mass regulation	2014
56	Dr. Brendan Gurd	Queen's	Exercise, mitochondrial metabolism	2014
57	Dr. Minna Woo	UHN / Toronto	Autophagy, muscle	2014
58	Dr. Raynald Bergeron	Montreal	Metabolism, maternal exercise	2014
59	Dr. Mary-Ellen Harper	Ottawa	Mitochondria, obesity, oxidative stress	2014
60	Dr. SoJung Lee	Children's Hospital of Pittsburgh	Childhood obesity, physical activity	2015
61	Dr. Pasan Fernando	Ottawa	Cardiac muscle, apoptosis/necroptosis	2015
62	Dr. David Glass	Harvard / Novartis	Muscle mass regulation	2015
63	Dr. Thomas Gustafsson	Karolinska	Muscle metabolism	2015
64	Dr. John Dawson	Guelph	actin, cardiac disease	2015
65	Dr. Paul LeBlanc	Brock	skeletal muscle membranes	2015

66	Dr. Sara N. Vasconcelos	TGRI / Toronto	regeneration and neovascularization	2015
67	Dr. Stuart Phillips	McMaster	muscle atrophy	2015
68	Dr. Jean-Marc Renaud	Ottawa	membranes and protein channels	2015
69	Dr. Robert Ross	Queen's	obesity management	2015
70	Dr. Julie St-Pierre	McGill	mitochondrial metabolism	2015
71	Dr. Simon Wing	McGill	muscle mass, deubiquitination	2015
72	Dr. Joseph Miano	Rochester	Crispr/Cas9	2015
73	Dr. Roger Fielding	Tufts	Muscle protein synthesis/aging	2015
74	Dr. Keith Baar	UC Davis	Muscle remodelling	2016
75	Dr. Erin Kershaw	UPMC Pittsburgh	Insulin resistance	2016
76	Dr. Martin Picard	Colombia	Mitochondrial morphology	2016
77	Dr. Francisco Naya	Boston	transcription, cardiac muscle	2016
78	Dr. Ashok Kumar	Louisville	muscle growth and atrophy	2016
79	Dr. Jane Batt	St. Michael's Hospital / University of Toronto	Muscle atrophy	2016
80	Dr. Amira Klip	Hospital for Sick Children / University of Toronto	Insulin signaling, skeletal muscle	2016

81	Dr. Jim Dowling	Hospital for Sick Children / University of Toronto	Gene therapy for musculoskeletal diseases	2016
82	Dr. Martin Gibala	McMaster University	Interval training	2016
83	Dr. Ren-Ke Li	UHN / TGRI	Tissue engineering, cardiac muscle	2016
84	Dr. Graham Fraser	University of Western Ontario	blood flow, skeletal muscle	2016
85	Dr. Jeff Dilworth	University of Ottawa	Stem cells, skeletal muscle	2016
86	Dr. Yan Burelle	University of Montreal	Mitochondria and mitochondria derived vesicles	2016
87	Dr. William Schrage	Wisconsin-Madison	blood flow, obesity	2016
88	Dr. Kenneth Walsh	Boston University	Cardiac metabolism, genetics	2017
89	Dr. Jonathan Schertzer	McMaster University	Inflammation, myopathy and sarcopenia	2017
90	Dr. Milica Radisic	University of Toronto	Cardiac and vascular tissue engineering	2017
91	Dr. Chetan Phadke	West Park Health Care Centre	Spasticity in patients post-stroke	2017
92	Dr. Kei Masani	University of Toronto	Functional electrical stimulation of muscle	2017
93	Dr. Jefferson Frisbee	University of Western Ontario	Microvascular dysfunction, metabolic syndrome	2017

94	Dr. Michael De Lisio	University of Ottawa	Stem cells, marrow adipose tissue and exercise	2017
95	Dr. Kim Connelly	St. Michael's Hospital	Cardiac fibroblast and matrix interactions	2017
96	Dr. Nashwa Cheema	University of Alberta	Apoptosis and necrosis in aging muscle	2017
97	Dr. Vladimir Ljubcic	McMaster University	Skeletal muscle function, protein expression in exercise and atrophy	2017
98	Dr. David Bishop	Victoria University, Melbourne	Exercise, mitochondrial biogenesis signaling	2017
99	Dr. Yuho Kim	NIH, Bethesda	Exercise and lysosomes	2017
100	Dr. David Brown	Virginia Tech	Mitochondrial function as a therapeutic target	2017
101	Dr. C. Florian Bentzinger	University of Sherbrooke	skeletal muscle regeneration, stem cells	2017
102	Dr. Kristin Stanford	Ohio State University	Muscle-Adipose tissue crosstalk	2017
103	Dr. Susan Howlett	Dalhousie University	Aging, muscle frailty, cardiac function	2018
104	Dr. Micah Drummond	University of Utah	Muscle protein metabolism rehabilitation and exercise	2018
105	Dr. Zoltan Arany	University of Pennsylvania	Skeletal muscle interactions with other tissues	2018
106	Dr. Bret Goodpaster	Florida Hospital	Human obesity, insulin resistance, mitochondria, diabetes	2018

107	Dr. Keir Menzies	University of Ottawa	aging, metabolism, mitochondria, exercise Physiology	2018
108	Dr. Daniel Moore	University of Toronto	Muscle remodeling, protein metabolism, exercise	2018
109	Dr. Charles Thornton	University of Rochester	Neurogenetic disorders, Myotonia	2018
110	Dr. Tessa Gordon	University of Toronto	Neuromuscular disorders, muscular dystrophy, ALS	2018
111	Dr. Audrey Hicks	McMaster University	Exercise Rehabilitation; Neurological Impairments	2018
112	Dr. Bobby Yanagawa	St. Michael's Hospital	Clinical studies of ischemic, valvular heart disease	2018
113	Dr. Chris Ellis	University of Western Ontario	Microcirculation & Cellular Biophysics	2018
114	Dr. Neils Ortenblad	University of Southern Denmark	metabolism, animal physiology	2018
115	Dr. Matthew Cocks	Liverpool John Moores University	skeletal muscle, microvasculature, obesity	2018
116	Dr. Heather Smith	University of Auckland	Exercise & skeletal muscle	2018
117	Dr. Colin Crist	McGill University	skeletal muscle, aging	2018
118	Dr. Rajan Sah	Washington University	Obesity, cardiac metabolism	2018
119	Dr. Laurence Kazak	McGill University	mitochondria in brown and white fat	2019

120	Dr. Keith Dadson	University Health Network	heart function	2019
121	Dr. Mireille Khacho	University of Ottawa	mitochondria regulation, stem cell function	2019
122	Dr. Paul Oh	University of Toronto	Cardiovascular health	2019
123	Dr. Geoffrey A. Power	University of Guelph	muscle function, neuromuscular control	2019
124	Dr. David J. Dyck	University of Guelph	lipid, carbohydrate metabolism, exercise	2019
125	Dr. Marina Mourtzakis	University of Waterloo	nutrition, exercise, body composition	2019
126	Dr. Clark Dickerson	University of Waterloo	identifying work related stresses in the shoulder	2019
127	Dr. K Sreekumaran Nair	Mayo Clinic	Mitochondria, insulin, brain	2019
128	Dr. Eric Thorin	University of Montreal	Brain, aging vessels	2020
129	Dr. Andrew Judge	University of Florida	muscle wasting, cancer	2020
130	Dr. Charlotte Peterson	University of Kentucky	skeletal muscle, aging, satellite cells	2020
140	Dr. Imed Gallouzi	McGill University	HuR and muscle phenotype	2020
141	Dr. Jacob Haus	University of Michigan	Protein modifications in metabolic disease	2020
142	Dr. Scot Kimball	Pennsylvania State University	Muscle protein turnover regulation	2020
143	Dr. Phillip J. Millar	University of Guelph	Sympathetic NS control of blood flow	2020

144	Dr. Sunita Mathur	University of Toronto	Muscle physiology: techniques in physical therapy	2020
145	Dr. Kim Dunham-Snary	Queen's University	Mitochondrial and nuclear DNA crosstalk	2020
145	Dr. Richard L. Hughson	University of Waterloo	Physiology of spaceflight	2020
146	Dr. Katsu Funai	University of Utah	Mitochondrial membrane lipids regulate metabolic efficiency	2021
147	Dr. Dr. Karyn Esser	University of Florida	Muscle clocks, muscle health and systemic health	2021
148	Dr. John Thyfault	University of Kansas	Aerobic capacity, skeletal muscle mitochondria, and risk for disease	2021
149	Dr. Bill Sheel	University of British Columbia	Competition for blood flow distribution between respiratory and locomotor muscles: implications for muscle fatigue	2021
150	Dr. Glen Tibbits	Simon Fraser University	Investigating inherited cardiomyopathies and arrhythmias using hiPSC-derived cardiomyocytes	2021
151	Dr. Joseph Gordon	University of Manitoba	Molecular regulation of muscle mitophagy: A nexus of mitochondrial	2021

			quality control and cell signaling modulation	
152	Dr. Rachel Colley	Statistics Canada	Physical Activity among Canadians- trends, challenges and future directions	2021
153	Dr. Natasha Chang	McGill University	Molecular mechanisms of satellite cell function and dysfunction	2021
154	Dr. Jamie Burr	University of Guelph	Citius, altius, forties: Scientia. Human Performance Physiology	2021
155	Dr. Douglas Millay	Cincinnati Children's Medical Centre	Multinucleation and myonuclear accretion during muscle adaptations	2021
156	Dr. Bernadette Murphy	University of Ontario Institute of Technology	Effect of muscle fatigue on sensorimotor integration	2022
157	Dr. Jon Ramsey	University of California-Davis	Ketogenic diet strategies and aging	2022
158	Dr. Nicholas Burd	University of Illinois- Urbana Champaign	Food based recommendations to optimize the muscle adaptive response	2022
159	Dr. Celine Aguer	McGill University- Outaouais	Autocrine role of myokines in regulating skeletal muscle metabolism	2022

160	Dr. Steven Segal	University of Missouri	Microvascular injury, protection, and regeneration	2022
161	Dr. Brian Glancy	National Institutes of Health	Sustaining power: building energy networks in striated muscles	2022
162	Dr. Scott Trappe	Ball State University	The Aging Athlete	2022
163	Dr. Mark Haykowsky	University of Alberta	Exercise limitations in heart failure and preserved ejection function: control role of the periphery	2022
164	Dr. Nadine Wiper-Bergeron	University of Ottawa	Linking inflammation to muscle wasting in cachexia: A role for C/EBPbeta in tumours and muscle	2023
165	Dr. Walter Herzog	University of Calgary	The role of titin in muscle function: proposal vs. evidence	2023
166	Dr. Glen Foster	University of British Columbia	Neurocirculatory consequences of hypoxia: implications for obstructive sleep apnea	2023
167	Dr. Kevin Murach	University of Arkansas-Fayetteville	Exploring MYC in Muscle	2023
164	Dr. Lauren Sparks	Advent Health-Orlando Florida	Metabolic imprinting of human skeletal muscle cells with exercise training	2023

165	Dr. Ewan Goligher	University of Toronto	Ventilator-induced diaphragm in the critically ill: mechanisms, outcomes, and opportunities for intervention	2023
166	Dr. David MacLean	Northern Ontario School of Medicine University	Cancer, chemotherapy and exercise: New insights using rodent models	2023
167	Dr. Panagiota (Nota) Klentrou	Brock University	The bone response to exercise: what can blood markers tell us?	2023
168	Dr. Tyler Churchward-Venne	McGill University	Reemerging role of ketone bodies as regulators of skeletal muscle protein turnover	2023
169	Dr. Jamie Melling	University of Western Ontario	The effect of exercise on skeletal muscle metabolism and insulin resistance development in type 1 diabetes	2023
170	Dr. Heather Edgell	York University	Sex differences in the cardiorespiratory response to reflex activation	2023
171	Dr. Michaela Devries-Aboud	University of Waterloo	Sex-based differences in muscle metabolism	2023
172	Dr. Amy Kirkham	University of Toronto	Magnetic resonance imaging as a novel tool to uncover cardiac and skeletal muscle	2023

			determinants of exercise intolerance	
173	Dr. Takeshi Yamada	Sapporo Medical School	Effects of interval training- mimicking electrical stimulation (IT-ES) on normal and dystrophic mouse muscles	2023
174	Dr. Daiki Watanabe	Osaka University of Health and Sport Science	Changes in excitation-contraction coupling with prolonged muscle fatigue and overtraining	2023
175	Dr. Russell Hepple	University of Florida	Alterations in skeletal muscle mitochondrial function with aging and relationship to muscle fibre type	2023
176	Dr. Jerome Dempsey	University of Wisconsin	Muscle afferent feedback contributions to fatigue/ exercise performance	2023
177	Dr. Robert Ross	Queen's University	Should cardiorespiratory fitness be a vital sign in healthcare settings?	2023
178	Dr. Irena Rebalka	McMaster University	Muscle metabolism and the effects of exercise in Type 1 Diabetes	2023
179	Dr. Jeffrey Dilworth	University of Wisconsin	Epigenetic adaptation of satellite cells to the injured muscle environment	2023

180	Dr. Walter Lee Murphee	University of Florida	Rediscovering angiogenesis at the intersection of tissue engineering and physiology	2024
181	Dr. Kristi Adamo	University of Ottawa	How does the fetus benefit from gestational exercise? Hint, the placenta	2024
182	Dr. Marni Boppart	University of Illinois-Champaign-Urbana	Development of novel strategies to recover skeletal muscle after disuse	2024
183	Dr. Jorge Ruas	University of Michigan	Regulation of muscle sarcomere assembly and the bioenergetics by an unsuspected E3 ligase: Implications for the diagnostics of myopathies	2024