HSRLCE MICHAEL J. SOLE ANNUAL CARDIOVASCULAR SCIENTIFIC DAY
in conjunction with
Ted Rogers Centre Heart Failure Symposium

May 3-4, 2019
Marriott Downtown at CF Toronto Eaton Centre (525 Bay Street, Toronto)

FRIDAY, MAY 3, 2019

Time	Session I: Basic Science: Uncovering the Future	
7:30 AM	Breakfast and Registration	
8:30	Welcome and Introduction	**Dr. Mansoor Husain**, Executive Director, Ted Rogers Centre for Heart Research **Dr. Michael Farkouh**, Director, Heart & Stroke/Richard Lewar Centre of Excellence in Cardiovascular Research (HSRLCE)
8:35	How to Maintain the Quality of Heart Cells During Heart Failure: Removal of Cellular Waste and Malfunctioning Organelles by Autophagy	**Dr. Junichi Sadoshima**, Chair, Department of Cell Biology and Molecular Medicine, Rutgers University
8:52	MicroRNAs as Biomarkers and Effectors of Vascular Dysfunction in Heart Failure	**Dr. Jason Fish**, Senior Scientist, Toronto General Hospital Research Institute
9:09	Molecular Imaging of Fibrosis	**Dr. Peter Caravan**, Head, Translational Molecular Imaging Lab and Director, Institute for Innovation in Imaging, Massachusetts General Hospital
9:26	Q&A Session	Full panel
9:46	Flash Science Presentations I	
9:53	Break	
	Session II: Advances Toward Precision Medicine	
10:13	Genetics of Hypertrophic Cardiomyopathy: From Molecules to Medicines	**Dr. Christine Seidman**, Director, Cardiovascular Genetics Center at Brigham and Women's Hospital
10:30	Using AI Methods to Analyze Cardiovascular Surgical Outcomes	**Dr. Edward Hickey**, Cardiovascular Surgeon, The Hospital for Sick Children
10:47	Focus on Precision Phenotyping Using Molecular and Systems Epidemiology	**Dr. Patrick Lawler**, Clinician-Scientist, Peter Munk Cardiac Centre
11:04	Q&A Session	Full panel
11:24	Flash Science Presentations II	
11:31	Lunch Served	
	Lunch Session: Translation: Lab to Clinic	

12:00 PM	From Patient Disease to Therapeutic Discovery: Finding Molecules that Matter	**Dr. Jason Maynes**, Scientist, Molecular Medicine, The Hospital for Sick Children
12:17	Leveraging a Biobank: From Discovery to Diagnostics	**Dr. Phyllis Billia**, Clinician-Scientist, Peter Munk Cardiac Centre
12:34	Paradigm Shift in the Use of Biomaterials for Cardiac Repair: Designing for Immunity Considerations	**Dr. Paul Santerre**, Principal Investigator, Ted Rogers Centre for Heart Research
12:51	Q&A Session	Full panel
1:11	Flash Science Presentations III	
1:18	Break	
	Session IV: Innovation	
1:33	Introduction by Chairs and Overview of Michael R. Freeman Innovation Award Competition	**Dr. Bradley Strauss**, Chief, Schulich Heart Centre, Sunnybrook Health Sciences Centre **Dr. Maral Ouzounian**, Surgeon-Scientist, Peter Munk Cardiac Centre
1:43	Development of a Multiparametric MRI Protocol Assessing Vascular and Metabolic Responses to Exercise in Pediatric Respiratory Disease	**Ms. Jessica Caterini**, CSCP Bigelow Winner, PhD Candidate, Department of Exercise Sciences, University of Toronto
1:50	*Richard Lewar Lecture:* Strengthening the Framework for Canadian Medical Technology Innovations through Education and Commercialization	**Dr. Brian Courtney**, Scientist, Sunnybrook Health Sciences Centre
2:10	Q&A Session	Full panel
	Session V: Prevention & Health Promotion	
2:20	Introduction by Chairs	**Dr. Michael Farkouh,** Director, HSRLCE **Dr. Phyllis Billia**, Clinician-Scientist, PMCC **Dr. Julie Lovshin**, Clinician-Scientist, SHSC
2:25	Connecting Heart, Brain and Mind: The Time is Now!	**Dr. Sandra Black**, Professor of Medicine (Neurology), University of Toronto & Sunnybrook Health Sciences Centre
2:45	*Great Minds and Great Medicine: the Raymond and Beverly Sackler Visiting Lecture* The Very High-Risk CHD patient: When is More Intensive Cholesterol-Lowering Therapy Warranted?	**Dr. Robert Rosenson**, Professor of Medicine (Cardiology), Mount Sinai Icahn School of Medicine; Director, Cardiometabolic Unit, Mount Sinai Hospital
3:05	*Heart & Stroke Lecture* The Environment and Cardiometabolic Disease: A New Frontier for Sustainable Global Health	**Dr. Sanjay Rajagopalan,** Chief of Cardiovascular Medicine, University Hospitals; Professor, Case Western Reserve School of Medicine
3:25	Q&A Session	Full panel
3:40 – 5:30	**Trainee Showcase and Reception**	

SATURDAY, MAY 4, 2019

Time	Breakfast Session: What to Know About Diabetes, Renal Disease and Heart Failure	
7:50 AM	Welcome and Introduction	**Dr. Mansoor Husain**, Executive Director, Ted Rogers Centre for Heart Research
7:53	What is Heart Failure and how Common is it?	**Dr. Michael McDonald**, Cardiologist, Peter Munk Cardiac Centre
8:10	Type 2 Diabetes and Kidney Dysfunction: how to Prevent Heart Failure	**Dr. Kim Connelly**, Clinician-Scientist, St. Michael's Hospital
8:27	How to Manage Diabetic and Renal Patients with CVD	**Dr. David Cherney**, Clinician-Scientist, University Health Network
8:44	Q&A Session	Full panel
9:00	Break	
	Session II: Heart Failure: What You Need to Know Right Now	
9:20	Heart Failure Care: from the Emergency Room to the Doctor's Office	**Dr. Douglas Lee**, Ted Rogers Chair in Heart Function, Peter Munk Cardiac Centre **Dr. Clare Atzema**, Emergency Physician-Scientist, Sunnybrook Health Sciences Centre
9:35	Translating a Cardiology Consult	**Dr. Jeremy Kobulnik**, Cardiologist, Mount Sinai Hospital
9:50	Is there an ECHO in here? Imaging in HF	**Dr. Gillian Nesbitt**, Cardiologist, Mount Sinai Hospital
10:15	Managing Late-Stage Patients with HFrEF and HFpEF	**Dr. Stephanie Poon**, Cardiologist, Sunnybrook Health Sciences Centre
10:30	Q&A Session	Full panel
10:55	Break	
	Session III: Emerging Areas, Special Considerations in Heart Failure	
11:15	Innovative Therapies on the Horizon	**Dr. Phyllis Billia**, Clinician-Scientist, Peter Munk Cardiac Centre
11:30	Caring for Families with a Heart Failure Diagnosis	**Dr. Aamir Jeewa**, Section Head, Cardiomyopathy & Heart Function Program, The Hospital for Sick Children
11:45	Genetic Testing and the Prevention of Heart Failure	**Dr. Melanie Care**, Genetic Counsellor, University Health Network
Noon	Cardiotoxicity: Protecting the Hearts of Cancer Patients	**Dr. Husam Abdel-Qadir**, Clinician-Scientist, Women's College Hospital
12:15 PM	Q&A Session	Full panel
12:40	End of Program	