



HEART & STROKE / RICHARD LEWAR CENTRE OF EXCELLENCE

**Annual Cardiovascular Scientific Day**

Thursday, May 8, 2014

8:00am- 6:00 pm

**Toronto Reference Library, Bram & Bluma Appel Salon  
789 Yonge Street, Toronto, ON M4W 2G8**

**INNOVATION**

7:30 am – 8:00 am

Registration, continental breakfast, poster set-up

8:00 am – 8:15 am

**Welcome and Opening Remarks**

Dr. Michael Farkouh, HSRLCE Director; and Dr. Alison Buchan, Vice Dean Research and International Relations, University of Toronto

**From Basic Science to Clinical Outcomes  
Stem Cells and Regenerative Medicine**

8:15 am – 8:20 am

*Chair: Dr. Ren-Ke Li*

8:20 am – 9:05 am

**Richard Lewar Plenary Lectures:**

**Dr. Joshua Hare**, Director, Interdisciplinary Stem Cell Institute (ISCI); Senior Associate Dean for Experimental & Cellular Therapeutics ; Louis Lemberg Professor of Medicine, University of Miami Miller School of Medicine  
*“Cell-based Therapy for Myocardial Diseases: Translational Implementation of Lessons from the Bench.”*

**Active Learning: Question & Answer**

9:05 am – 9:50 am

**Dr. Mark Mercola**, Professor and Director, Muscle Development and Regeneration Program Sanford-Burnham Medical Research Institute  
*“Chemical and Functional Genomics to Expand Drug Target Space for Heart Failure”*

**Active Learning: Question & Answer**

9:50 am – 10:20 am

**Refreshment Break, Poster Viewing & Discussion**

**Imaging**

10:20 am – 10:25 am

*Chair: Michelle Bendeck*

10:25 am – 11:10 am

**Heart & Stroke Keynote Lectures:**

**Dr. Ahmed Tawakol**, Co-Director, Cardiac MR, PET, CT Program, Massachusetts General Hospital and Harvard Medical School  
*“Molecular Imaging of Atherosclerosis: Insights into Prognosis and Therapeutic Efficacy”*

**Active Learning: Question & Answer**

11:10 am – 11:55 pm

**Dr. Graham Wright**, Canada Research Chair in Imaging for Cardiovascular Therapeutics; Research Director, Schulich Heart Program, Sunnybrook Research Institute; Professor of Medical Biophysics and IBBME, University of Toronto  
*“MRI of Myocardial Response and Repair following Acute Ischemic Events”*

**Active Learning: Question & Answer**

## **Clinical Trials and Registries**

11:55 am – 12:00 pm

*Chair: Seema Mital*

12:00 pm – 12:45 pm

**Dr. Jonathon Maguire**, Pediatrician and Scientist, Li Ka Shing Knowledge Institute of St. Michael's Hospital; Institute of Health Policy, Measurement and Evaluation, Department of Pediatrics, University of Toronto  
*"Embedding Randomized Clinical Trials in Large Registries"*  
**Active Learning: Question & Answer**

12:45 pm – 2:45 pm

**LUNCH and Poster Sessions**

## **Breakout Session I: Novel Surgical Mechanisms and Materials**

2:45 pm – 2:50 pm

*Chair: Bradley Strauss*

2:50 pm – 3:20 pm

**Dr. Vijay Chauhan**, Cardiac Electrophysiology, UHN; Scientist, Division of Experimental Therapeutics - Cardiovascular, Toronto General Research Institute  
*"Novel markers and strategies for sudden cardiac death risk assessment"*

3:20 pm – 3:50 pm

**Dr. Vivek Rao**, Chief of Cardiovascular Surgery, Professor of Surgery, and Surgical Director of the Heart Transplant program at TGH; Senior Scientist, Division of Experimental Therapeutics - Cardiovascular Toronto General Research Institute  
*"A Novel Approach to Cardiovascular Regeneration: Translational applications of Extracellular Matrix"*

3:50 pm – 4:15 pm

**Active Learning: Debate (with Audience Participation)**

## **Breakout Session II: Technological Advances**

2:45 pm – 2:50 pm

*Chair: Phyllis Billia*

2:50 pm – 3:20 pm

**Dr. Brian Courtney**, Scientist, Sunnybrook Health Sciences Centre; Co-founder and CEO, Colibri Technologies, Inc.  
*"Development of minimally invasive imaging catheters"*

3:20 pm – 3:50 pm

**Dr. Chi-Ming Chow**, Associate Professor in Medicine, University of Toronto  
*"Innovative Medical IT in the Cardiovascular World"*

3:50 pm – 4:10 pm

**Dr. Steffen-Sebastian Bolz**, Professor of Medicine University of Toronto, Associate Chair-Research Department of Physiology; Director Toronto Centre for Microvascular Medicine  
*"International Focus of the Heart & Stroke/Richard Lewar Centre of Excellence"*

4:10 pm – 4:15 pm

**Active Learning: Debate (with Audience Participation)**

4:15 pm – 4:45 pm

**Refreshment Break**

4:45 pm – 5:30 pm

**Dr. Subhash C. Verma Award Lecture**  
**Dr. Jason Fish**, Scientist, Toronto General Research Institute  
*"Small RNAs play a big role in controlling vascular inflammation"*  
**Active Learning: Question and Answer**

5:30 pm – 6:00 pm

**Presentation of Poster Awards**