



HEART & STROKE / RICHARD LEWAR CENTRE OF EXCELLENCE

Annual Cardiovascular Scientific Day

Wednesday, April 11, 2018

8:00am- 5:00 pm

Hart House - 7 Hart House Cir, Toronto, ON M5S 3H3

FROM DISCOVERY TO CLINICAL TRIALS

8:00 am – 8:15 am

REGISTRATION, CONTINENTAL BREAKFAST, POSTER SET-UP

8:15 am – 8:30 am

Welcome and Opening Remarks

Dr. Michael Farkouh, HSRLCE Director; and **Dr. Richard Hegele**, Vice Dean, Research and Innovation, Faculty of Medicine, University of Toronto

VALVULAR HEART DISEASE

8:30am – 8:35 am

Chairs: Drs. Dennis Ko & Maral Ouzounian

8:35 am – 8:55 am

Craig A. Simmons, Ph.D., P.Eng., Distinguished Professor of Mechanobiology at the Department of Mechanical and Industrial Engineering and the Institute of Biomaterials and Biomedical Engineering, University of Toronto

Biomechanical Insights into the Mechanisms of Valvular Heart Disease

8:55 am – 9:15 am

Jagdish Butany, MBBS, MS, FRCPC, Consultant Cardiovascular Pathologist, Toronto General Hospital; Professor, University of Toronto

Valvular Heart Disease: A Pathologist Perspective

9:15 am – 9:35 am

Heart & Stroke Lecture:

Josep Rodés-Cabau, MD, Director, Catheterization and Interventional Laboratories at the Quebec Heart and Lung Institute; Associate Professor, Faculty of Medicine at Laval University

Transcatheter Therapies for Treating Heart Valve Disease: Current Status and Future Perspectives

9:35 am – 9:55 am

Harindra Wijesundera, MD, PhD, FRCPC, FCCS, FAHA, Interventional Cardiologist, Associate Professor, Sunnybrook Health Sciences Center, University of Toronto; Vice-President, Medical Devices & Clinical Interventions, CADTH (Canadian Agency for Drugs and Technology in Health)

Percutaneous Valve Interventions: The Promise of Big-Data to Inform the Transition to Standard of Care

9:55 am – 10:25 am

Panel Discussion and Q&A

10:25 am – 10:45 am

REFRESHMENT BREAK, POSTER VIEWING & DISCUSSION

10:45 am – 10:50 am

Chairs: Drs. Brad Strauss & Peter Juni

10:50 am – 11:15 am

Gary Gershony, MD, FACC, FSCAI, FAHA, FRCPC, Director of Cardiovascular Research, Education and Technology, John Muir Health Cardiovascular Institute, Concord, CA

Medical Device Innovation: From Concept to Commercialization

Active Learning: Question and Answer

BREAKOUT SESSION I: CLINICAL STREAM

ROOM: Great Hall

Chairs: Drs. Brad Strauss & Peter Juni

11:20 am – 11:45 am

Dragon's Den Pitches
Lucas Godoy; & Junko Kobayashi

11:45 am – 12:15 pm

Cardiovascular Sciences Collaborative Program (CSCP) Trainee Spotlight

Emily Vecchiarelli, BKIN, 2016 Lorne Phenix Graduate Award Recipient
Atrial Fibrillation and the Endurance Athlete: A Little off Pace

Cedric Manlhiot, PhD, Director, Cardiovascular Data Management Centre; Associate Scientist, Child Health Evaluative Sciences, SickKids Research Institute; Affiliate Scientist, Toronto General Hospital Research Institute, UHN
Unraveling System Complexity in Medicine through Computational Biomedicine

BREAKOUT SESSION II: BASIC SCIENCE STREAM

ROOM: East Common Room

Chairs: Drs. Myron Cybulsky & Kim Connelly

11:20 am – 12:00 pm

Dragon's Den Pitches
Keith Dadson; Dakota Gustafson; & Jeff Kroetsch

12:00 pm – 12:15 pm

Discussion and Audience Participation

12:15 pm – 1:45 pm

LUNCH AND POSTER JUDGING SESSION

THE PCSK9 INHIBITOR STORY

Chairs: Drs. Beth Abramson & Shaun Goodman

1:45 pm – 1:50 pm

1:50 pm – 2:15 pm

Richard Lewar Lecture:

Nabil G. Seidah, O.C., O.Q., Ph.D., FRSC, Tier 1 Canada Research Chair in "Precursor Proteolysis"; and Director, Laboratory of Biochemical Neuroendocrinology at Montreal Clinical Research Institute

The Development of the PCSK9 Story from a Basic Scientist Perspective: From Curiosity Science to Clinical Applications

2:15 pm – 2:40 pm

Lawrence A. Leiter, MD FRCPC FACP FACE FAHA, Division of Endocrinology and Metabolism and Associate Scientist, Li Ka Shing Knowledge Institute, St. Michael's Hospital; Professor, Departments of Medicine and Nutritional Sciences, University of Toronto

The Development of the PCSK9 Story from a Clinician-Scientist Perspective

2:40 pm – 3:10 pm

Panel Discussion and Q&A

3:10 pm – 3:30 pm

REFRESHMENT BREAK

3:30 pm – 4:15 pm

DR. SUBHASH C. VERMA AWARD LECTURE

Mike Seed, MBBS, MRCPH, FRCR, Division Head, Cardiology, SickKids

The Fetal Circulation and the Brain

Active Learning: Question and Answer

4:15 pm – 4:45 pm

PRESENTATION OF STUDENT POSTER AWARDS

THANK YOU TO OUR SPONSORS

AMGEN[®]

Cardiovascular



SANOFI



**Boehringer
Ingelheim**

Lilly

AstraZeneca The AstraZeneca logo consists of a stylized, yellow 'Z' shape that is composed of several overlapping, curved lines, giving it a dynamic and modern appearance.

The Servier logo features a blue, multi-pointed star or asterisk shape positioned above a series of horizontal, slightly curved lines that create a sense of motion and depth. The word 'SERVIER' is written in a bold, blue, sans-serif font to the right of these elements.

SERVIER