Program Agenda
(All presentations are in the Canada Room)
TOHS - Toronto Ottawa Heart Summit
Friday April 12th, 2019

7:00 AM Registration and Breakfast
7:50 AM Welcome and Introduction
   *Drs. Peter Liu and Michael Farkouh*

**PLENARY LECTURE**
8:00 AM Global Difference in Cardiovascular Disease
   *Dr. Mark Richards*

**TOHS Session 1: Cardiovascular Risk Management**
*Dr. Peter Liu, Presiding*
8:30 AM Is Weed (Marijuana) Safer than Smoking for the Heart?
   *Dr. Paul Oh*
8:55 AM What’s New with Canada’s Food Guide
   *Dr. Alfred Aziz*
9:20 AM Update on the Optimal Diet for Heart Health
   *Dr. John Sievenpiper*
9:45 AM REDUCE-IT Trial
   *Dr. Peter Liu*
10:10 AM Active Learning Q & A with Panel
10:25 AM Health Break

**TOHS Session 2: Heart & Systemic Diseases**
*Dr. Wilson Tang, Presiding*
10:45 AM Amyloid Heart Disease: New Treatment Advances
   *Dr. Sarah Cuddy*
11:05 AM New Insights in Cardio-Renal Syndrome
   *Dr. Wilson Tang*
11:25 AM The Heart-Brain Dance: Connection and Consequences
   *Dr. Heather Tulloch*
11:45 AM       Active Learning Q & A with Panel
12:00 PM       Lunch (Trainee and Mentorship Networking)

**TOHS Session 3: Are Blood Clots Still the Enemy?**
*Dr. David Birnie, Presiding*

12:50 PM       COMPASS Trial
*Dr. Marc Bonaca*

1:10 PM        Update on Atrial Fibrillation Guidelines
*Dr. Allan Skanes*

1:30 PM        Atrial Fibrillation Ablation: Advances, Approaches and Which Patients?
*Dr. Mehrdad Golian*

1:50 PM        How Long and Which Antiplatelet for Patients with Stents?
*Dr. Derek So*

2:10 PM        Active Learning Q & A with Panel

2:25 PM        Health Break

**TOHS Session 4: Diabetes/Lipids**
*Dr. Michael Farkouh, Presiding*

2:45 PM        Are We DECLAREing SGLT2i Beneficial for all Patients with Diabetes or Only with Risk for Heart Failure?
*Dr. Marc Bonaca*

3:05 PM        Time to Rewind the Advancing Role of GLP-1 Agonists for Cardiovascular Disease in Diabetes
*Dr. Michael Farkouh*

3:25 PM        Are PCSK9 Inhibition for Cholesterol Lowering Cost Effective? Who Should Receive These Agents?
*Dr. Ruth McPherson*

3:45 PM        Active Learning Q & A with Panel

4:00 PM        Refreshments and Poster Judging

5:00 PM        Adjournment
TOHS - Toronto Ottawa Heart Summit

Saturday April 13th, 2019

7:00 AM  Registration
7:50 AM  Welcome and Introduction
Dr. Michael Farkouh

Note: TOHS Sessions 5 and 6 are concurrent with OHC Sessions 1 and 2

TOHS Session 5: Heart Failure
Dr. Mark Richards, presiding

8:00 AM  Heart Failure: East Versus West
Dr. Mark Richards

8:25 AM  Heart Failure with Preserved Ejection Fraction: What’s New and What’s Not?
Dr. Wilson Tang

8:50 AM  The PIONEERing Efforts of Bridging Medications During Hospital Transition
Dr. Peter Liu

9:15 AM  Who Should be Referred for Ventricular Assist Device/Transplant These Days?
Dr. Sharon Chih

9:40 AM  Active Learning Q & A with Panel
10:00 AM  Health Break

Dr. Wilbert J. Keon Memorial Session
Dr. Thierry Mesana, presiding

10:30 AM  Prognosis and Management of Tricuspid Regurgitation
Dr. David Messika-Zeitoun

10:55 AM  Are We Ready for TAVI for Our Low Risk Aortic Stenosis Patients?
Dr. Philippe Généreux

11:20 AM  Advances in Mitral Valve Interventions and Outcomes
Dr. David Messika-Zeitoun

11:45 AM  Active Learning Q & A with Panel
12:05 PM  Lunch (Trainee and Mentorship Networking)

Note: TOHS Registrants can attend OHC Sessions 3 and 4 in the afternoon

OHC - Ottawa Heart Conference

7:00 AM  Registration

8:00 AM  Welcome Messages
Drs. Sylvain Charbonneau and Thierry Mesana

8:15 AM  Opportunities and Challenges for Application of AI in Health
Dr. Wojtek Michalowski

8:25 AM  Opening Address: Understanding the Role of Artificial Intelligence in Health Care
Dr. Henry Lieberman

Note: TOHS Sessions 5 and 6 are concurrent with OHC Sessions 1 and 2

OHC Session 1: Advances in Artificial Intelligence (AI) and Big Data Analytics
Dr. Wojtek Michalowski, Presiding

8:50 AM  Deep Learning for Health Data Analytics
Dr. Yifeng Li

9:10 AM  Machine Learning for Prediction and Decision Support in Medical Applications
Dr. Doina Precup

9:30 AM  Active Learning Q & A with Panel

9:50 AM  Health Break

OHC Session 2: Big Data in Basic Science
Dr. Han Kim, Presiding

10:10 AM  The Coming of Age of Microfluidics: Connecting Algorithms and Foundations of Chip Design to Biochemistry and the Life Sciences
Prof. Tsung-Yi Ho

10:30 AM  Single-Cell RNA Sequencing Approach Identifying Self-Renewing Resident Cardiac Macrophages in Heart Failure
Dr. Slava Epelman
10:50 AM  Fishing Out Genetic Clues to How the Heart Develops  
*Dr. Ian Scott*

11:10 AM  The Use of Large Genomic Datasets  
*Dr. Ruth McPherson*

11:30 AM  Active Learning Q & A with Panel

11:50 AM  Lunch (incl. Trainee Mentorship and Networking Event)

**OHC Session 3: Big Data in Clinical Medicine**  
*Dr. Jodi Edwards, presiding*

1:10 PM  AI Applications in Clinical Decision Making  
*Dr. Douglas Manuel*

1:30 PM  Precision Medicine for Childhood Heart Disease  
*Dr. Seema Mital*

1:50 PM  Analysis of Coronary Artery Bifurcation using Taiwan Cardiovascular AI Consortium Database: Feasibility and Clinical Implication  
*Dr. Wen-Jeng Lee*

2:10 PM  Machine Learning Approaches in Integrating Into the Care of Patients with Heart and Vascular Diseases  
*Dr. Bo Wang*

2:30 PM  Active Learning Q & A with Panel

2:45 PM  Health Break

3:05 PM  Rapid Fire Oral Presentations

**OHC Session 4: Applications of AI and Big Data to Population Health and Health Systems**  
*Dr. Peter Liu, presiding*

3:30 PM  Opportunities for Machine Learning to Improve the Health of Populations  
*Dr. Laura Rosella*

3:50 PM  Population-Based Microsimulation Models: *The* Most Important Use of Big Data and AI?  
*Dr. Douglas Manuel*

4:10 PM  Health Canada’s Perspective on Digital Health and AI  
*Mr. Marc Lamoureux*
4:30 PM  Active Learning Q & A with Panel
4:50 PM  TRAINEE AWARDS CEREMONY
5:00 PM  Closing Remarks and Adjournment

Program Evaluation will be collected and CME credit statements will be handed out at this time.