



HEART & STROKE / RICHARD LEWAR
CENTRE OF EXCELLENCE
Annual Cardiovascular Scientific Day
Thursday, April 19 2012
8:15 a.m. - 5:00 p.m.

On the Park, Events and Conference Centre
1095 Leslie Street, Toronto, ON M3C 2J7

Program

- 7:30 am – 8:15 am Registration, continental breakfast, poster set-up
- 8:15 am – 8:25 am **Welcome and Opening Remarks**
Dr. Mansoor Husain
- Atrial Fibrillation Symposium:**
- 8:25 am – 8:30 am *Chair:* Dr. Paul Dorian
- 8:30 am – 9:00 am **Richard Lewar Plenary Lecture** - "The mechanism of sustained human AF and Electrogram based ablation strategy."
Dr. Sanjiv Narayan MD, PhD, Professor of Medicine, University of California San Diego, Director, EP Fellowship Training Program, UCSD, Director, EP Program, VA San Diego Healthcare System
- 9:00 am – 9:10 am **Active Learning: Question & Answer**
- 9:10 am – 9:40 am **Heart & Stroke Keynote Lecture** - "Electrogram based ablation of Atrial Fibrillation: is it useful and practical?"
Dr. Allan Skanes MD, FRCPC, Associate Professor, Department of Medicine, Western University, Cardiologist, Division of Cardiology, London Health Science Centre, Director, Electrophysiology Lab, London Health Sciences Centre, London
- 9:40 am – 9:50 am **Active Learning: Debate (with audience participation)**
- 9:50 am – 10:20 am **Refreshment Break, Poster Viewing & Discussion**
- 10:20 am – 10:50 am **Science Day Visiting Lecture** "Heritable Factors in Atrial Fibrillation"
Dr. Michael Gollob MD, FRCPC, Cardiac Electrophysiologist, Director, Inherited Arrhythmia Clinic and Arrhythmia Research Laboratory, University of Ottawa Heart Institute, Associate Professor, Departments of

Medicine and Cellular and Molecular Medicine, University of Ottawa

10:50 am – 11:00 am

Active Learning: Question & Answer

11:00 am – 11:22 am

Dr. Scott Heximer - "RGS4 function in atrial tissue: protecting the fabric of the space-time continuum?"

11:22 am – 11:30 am

Active Learning: Question & Answer

11:30 am – 11:52 am

Dr. Peter Backx - "Atrial fibrillation induced by exercise: what every high-performance athlete should know"

11:52 am – 12:00 pm

Active Learning: Reflective exercise on morning symposium & Question & Answer

12:00 pm – 12:45 pm

LUNCH

12:45 pm – 2:15 pm

Poster Sessions

Breakout Sessions

2:15 pm – 3:45 pm

Session 1:

Topic: Diabetic Heart Disease

Chair: Dr. Kim Connolly

Speakers:

Background: metabolism and cardiac stiffness - Kim Connolly

1. Metabolic derangements and diabetic cardiomyopathy:

Insights from a novel imaging technique using hyperpolarized ¹²C MRI - Marie Shroeder

2. Protein kinase C inhibition: what's good for the kidney is good for the heart – Richard Gilbert

3. Role of extracellular matrix and matrix receptors in DCM – Christopher McCulloch

4. Our latest science on GLP-1 and the cardiovascular system, and where do we go from here? – Mansoor Husain

Active Learning: Discussion Panel & Group Discussion

Session 2:

Topic: Atrial Fibrillation; Where to go from here?

Chair: Dr. Peter Backx

Speakers:

1. Current treatments, Paul Dorian

2. Do current treatment strategies work?, Andrew Ha

3. To ablate or not, Nanthakumar Kumar/Vijay Chauhan

4. New Pharmacological/Molecular Targets, Peter Backx

5. Where do we go from here?, Michael Gollob

Active Learning: Discussion Panel & Group Discussion

Session 3:

Topic: Moving from developmental biology to "cures" - what is the way forward?

Chair: Dr. Ian Scott

Speakers:

1. Basic heart development/cardiac

progenitors/heart regeneration – Dr. Ian Scott

2. Stem cell modelling of CM differentiation (and the pitfalls/things to overcome) – Alec Witty

3. Tissue engineering – Dr. Peter Zandstra

4. Stem cell therapy – Dr. Ren-Ke Li

5. Using iPS cells to model CV disease – Dr. Toshi Araki

Active Learning: Discussion Panel & Group Discussion

3:45 pm – 4:00 pm

Break

4:00 pm – 4:30 pm

Dr. Subash C. Verma Award Lecture

Active Learning: Question & Answer

4:30 pm – 5:00 pm

Presentation of Poster Awards