

## Agenda

# ENGAGE: Heart + Lung FEST 2014 Scientific Symposium

**Thursday, February 6, 2014**

**7:30 - 8:30**      **Breakfast & Registration**

**8:30 - 9:30**      **Inherited Cardiac Arrhythmias**

Chairs: John Cairns, David Fedida

Moving to enlightenment about atrial fibrillation - The power of genetics and good clinical phenotypes  
**Andrew Krahn**

Challenges and opportunities in pediatric patients with cardiac electrical ailments  
**Shu Sanatani**

A comprehensive genetic panel for cardiac diseases - The promise and the challenges  
**Michael Seidman**

**9:30 - 10:30**      **Hope for End-stage Heart and Lungs**

Chairs: Ed Prydzial, Jonathan Choy

Innovation in cardiac devices - A new era of care  
**Anson Cheung**

Canadian Transplant Research Network: What does it mean for heart and lung researchers/patients across Canada?  
**Megan Levings**

Molecular biosignatures of organ failure - How can they impact care?  
**Bruce McManus**

---

**10:30 - 11:00**      **Break**

---

**11:00 - 12:00**      **Big Data - for Heart and Lung Basic, Clinical and Translational Research**

Chairs: Christoph Borchers, Raymond Ng

Integrating omics data into publicly accessible databases  
**Fiona Brinkman**

Combining social network and genomic data to understand outbreaks of respiratory disease  
**Jennifer Gardy**

Proteomics: finding the (therapeutic) needle in the haystack  
**Gabriela Cohen-Freue**



## Heart + Lung Scientific Symposium Agenda (cont'd)

**12:00 - 12:30**      **Lunch**

**12:30 - 1:30**      **Trainee Lightning Round Oral Presentation**

**1:30 - 2:30**      **Inflammation in Heart and Lung Disease**

Chairs: Stuart Turvey, Ed Conway

Inflammation in heart and circulatory system with sepsis as a model  
John Boyd

Inflammation in lungs with asthma as a model  
Kelly McNagny

MMPs are not just important in wound healing, but also in signaling  
Chris Overall

**2:30 - 2:45**      **Break**

**2:45 - 3:30**      **British Columbia Distinguished Lecture**

Chairs: Keith Walley, Jim Hogg

2014 Recipient: Brett Finlay

Professor, Michael Smith Laboratories; Department of Biochemistry & Molecular Biology and Microbiology

**3:30 - 3:45**      **Break**

**3:45 - 4:30**      **Alan Bernstein Distinguished Lecture**

Chairs: Bruce McManus, Allen Eaves

2014 Recipient: Eduardo Marbán

Director, Cedars-Sinai Heart Institute

## Friday, February 7, 2014

**8:00 - 8:30**      **Breakfast & Morning Notes**

**8:30 - 9:15**      **Graeme Copland Memorial Lecture**

Chairs: Peter Paré, Jeremy Hirota

2014 Recipient: Paul O'Byrne

Professor, Division of Respiriology, Department of Medicine; Chair, Department of Medicine, McMaster University Medical Centre

**9:15 - 10:15**      **Hot Topics in COPD**

Chairs: Neil Eves, Miranda Kirby

Finding signatures of lung attacks in COPD patients - The Genome Canada Initiative  
Don Sin

Imaging of COPD: CT scanning and beyond  
Harvey Coxson

When should we start treating COPD? A pathologist's point of view  
Jim Hogg

## Heart + Lung Scientific Symposium Agenda (cont'd)

**10:15 - 10:30**      **Break**

---

**10:30 - 11:30**      **Thoracic Imaging - Lung Cancer, Vessels, and the Heart**

Chairs: Geoff Payne, Jasmine Grewal

Lung imaging state of the art - how can lung imaging influence the diagnosis of heart and vessel disease?

John Mayo

State of the art heart and vessel imaging in 2014 - Role in risk stratification & beyond

John Mancini

Advances in the imaging of lung cancer

Stephen Lam

**11:30 - 12:30**      **Fibrosis and Wound Healing - Heart and Lung**

Chairs: Rob McMaster, Leigh Parkinson

Challenges in fibrosis in the lung - IPF basic and clinical perspectives

Chris Ryerson

Challenges in fibrosis of the vessels and heart - stem cells in heart wound repair and regeneration

Fabio Rossi

When it's no longer just about inflammation - Granzyme B's link to wound healing and fibrosis

David Granville

---

**12:30 - 1:30**      **Lunch & Trainee Poster Viewing and Judging**

---

**1:30 - 2:45**      **Economics of Heart and Lung Disease**

Chairs: Stirling Bryan, Larry Lynd

Biomarker-derived tests - economical for heart transplant, COPD exacerbations, and kidney transplant?

Carlo Mara

Economic burden of asthma in BC

Mohsen Sadatsafavi

Lessons learned from *HIV Treatment as Prevention* that may be relevant to cardiopulmonary diseases

Julio Montaner

**2:45 - 3:30**      **David Bates Lecture**

Chairs: Chris Carlsten, Stephan van Eeden

2014 Recipient: Joel Kaufman

Professor, Environmental & Occupational Health Sciences, University of Washington

**3:30 - 3:45**      **Trainee Awards, Closing Comments**