
AGENDA

Scientific Symposium



Thursday, March 26th

6:45-7:45 **Registration/Light Breakfast** at the Pinnacle Vancouver Harbourfront Hotel

7:45-7:55 **Introduction to FEST 2015**

Mark FitzGerald
Jeremy Hirota
David Granville

7:55-8:20 **On a path of academic research leading to commercialization: The case of HeartFlow™**

Christopher K. Zarins

8:20-8:30 **Facilitated Discussion**

Chairs: Andrew Krahn and Jonathon Leipsic

8:30-9:30 **Star-Power: Hot Science & Education Moments**

Chair: Jeremy Hirota

Health economics appraisal – Making your money work for you in heart and lung disease
Mohsen Sadatsafavi

Cardiovascular innovations – The future is now
Samuel Lichtenstein

3-Dimensional printed organs for drug testing and beyond
Samuel Wadsworth

New developments in cardio-oncology
Margot Davis

Community health research – E-tools for patients and providers to improve care
Scott Lear

Regeneration – The next generation of care
Fabio Rossi

9:30-10:15 **David Bates Memorial Lecture**

Chairs: Mike Brauer and Mieke Koehoorn

Long term effects of air pollution
Bert Brunekreef – Professor, Environmental Epidemiology
Director, Institute for Risk Assessment Sciences
Utrecht University

10:15-10:30 **Facilitated Discussion**

ENGAGE: Heart + Lung Scientific Symposium | March 26 & 27 | www.fest.heartandlung.ca

Heart + Lung Scientific Symposium Agenda (cont'd)

10:30-11:30 **Session 1 – Environmental Epidemiology and Heart + Lung Disease**

Chairs: Mohsen Sadatsafavi and Janice Leung

New methods for measuring exposure applicable to heart and lung disease modeling

Sarah B Henderson

Coarse versus fine versus ultrafine – Sizing up environmental epidemiology for heart and lung disease

Jennifer Peel

Local and systemic inflammatory response induced by air pollution: Can we tame the beast?

Stephan van Eeden

11:30-12:30 **Session 2: Gene and Environmental Interactions in Lung and Heart Disease – Challenges with Data**

Chairs: Martin Hirst and Mike Kobor

Harnessing the power of bioinformatic platforms

Fiona Brinkman

The challenges of studying heart valve development using genomics

Pamela Hoodless

Controlled human exposure models: From genomics to public health

Chris Carlsten

12:30-1:30 **Lunch and Poster Viewing**

1:30-3:30 **Session 3: Forum on Harvesting Value from Biomedical Research in BC – The Future is Now**

1:30-2:15 **Session 3A: Science into Action**

Chair: Alistair Duncan

Life Sciences BC – Biotechnology in British Columbia – The road ahead

Paul Drohan

Michael Smith Foundation for Health Research: Connecting research and action

Diane Finegood

Genome BC – Leading “omic” funding in British Columbia for 15 years: Lessons and strategic plans for 2015-2020

Brad Popovich

2:15-2:30 **Facilitated Discussion**

2:30-3:15 **Session 3B: Collaboration and Cooperation – The Stone Soup Sagas**

Chair: Dawn Cooper and David Granville

An introduction to the Surrey Innovation Boulevard

Ryan D’Arcy

Heart + Lung Scientific Symposium Agenda (cont'd)

Institute for Heart + Lung Health: The power of our heart and lung community unleashed
Bruce McManus

An academic health sciences network for British Columbia
Robert McMaster

3:15-3:30 Facilitated Discussion

3:30-4:15 Alan Bernstein Distinguished Lecture

Chair: Bruce McManus

Global health in the 21st Century: Will sustainable development goals provide the right script?
K. Srinath Reddy – President, Public Health Foundation of India

4:15-4:30 Facilitated Discussion

4:30 Reception

Friday, March 27th

7:30-8:00 Day 2 Registration and Light Breakfast

8:00-9:00 Session 4: Blood, Hearts, Vessels and Valves

Chairs: John Cairns and Carolyn Taylor

Dissolving the thrombolysis paradigm – Back to basics
Ed Pryzdial

Mechanical circulatory support – Evolution, possibilities, and impact
Anson Cheung

Relentless pursuit of the next horizon for percutaneous heart valve interventions
David Wood

9:00-10:00 Session 5: Advances in Biomarkers for Heart and Lung Disease – Can They Tailor care for Clinical Medicine?

Chairs: Paul Keown and Gabriela Cohen Freue

Advances in technology platforms for biomarker translation – What's the ideal?
Scott Tebbutt

Biomarkers in chronic lung disease
Don Sin

Rapid biomarker assessment in the ICU – Who is going to crash?
Keith Walley

Heart + Lung Scientific Symposium Agenda (cont'd)

10:00-10:15 Coffee Break

10:15-11:00 Graeme Copland Memorial Lecture

Chairs: Kelly McNagny and Marc Sze

The role of the lung microbiome in COPD pathogenesis

Sanjay Sethi – Professor and Chief, Pulmonary, Critical Care and Sleep Medicine,
Vice Chair for Research,
University at Buffalo

11:00-11:15 Facilitated Discussion

11:15-12:15 Session 6: Early Influences on Older Age Heart and Lung Disease

Chairs: David Granville and Bradley Quon

How lung immune responses of children influence disease development in adults

Pascal Lavoie

The evolution of managing patients with malformed hearts

Jasmine Grewal

Lessons learned from DOHaD relevant to heart disease

Angela Devlin

12:15-1:30 Lunch and Poster Viewing

1:30-2:15 BC Distinguished Lecture

Chair: Ralph Pantophlet

Treatment as prevention: Building on the HIV experience to promote healthcare sustainability

Julio Montaner – Director, BC Centre for Excellence in HIV/AIDS,
St. Paul's Hospital – Providence Health Care;
Professor of Medicine, Head of Division of AIDS,
University of British Columbia;
UBC and St. Paul's Hospital Foundation Chair in AIDS Research;
UNAIDS Special Advisor, HIV Therapeutics

2:15-2:30 Facilitated Discussion

2:30-2:45 Coffee Break

2:45-3:45 Session 7: Inflammation and Remodeling in Heart, Lung, and Vessel Disease

Chairs: Mark Kearns and Tillie Hackett

The regulation of acute and chronic inflammation by cytokines

Georgia Perona-Wright

Heart + Lung Scientific Symposium Agenda (cont'd)

Recent advances in clinical treatment of respiratory disease – Focus on lung fibrosis
Chris Ryerson

Macrophage identity and cholesterol metabolism in atherosclerosis: Not what you think they are
Gordon Francis

3:45-4:30 **Session 8: Debate – Extracting Value from Big Data – Big Solutions or Big Distractions?**

Chair: Denise Daley

Big Solutions (10 min)
Christopher Thompson

Big Distractions (10 min)
Michael Seidman

Big Solutions rebuttal (2 min)
Christopher Thompson

Big Distractions rebuttal (2 min)
Michael Seidman

Audience Participation/Judgement (1 min)

4:30-4:45 **Closing Remarks**

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FACULTY OF MEDICINE

This event is an Accredited Group Learning Activity eligible for up to **14.0** Section 1 credits as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. This program has been reviewed and approved by UBC Division of Continuing Professional Development. Each physician should claim only those credits he/she actually spent in the activity.