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## AGENDA

# FEST Scientific Symposia

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**Tuesday, February 6<sup>th</sup> 2018**



**7:00-7:55 am On-Site Registration/Breakfast/Poster Set Up**

**8:00-8:20 am Welcome to Heart + Lung Health FEST 2018**

### **Opening Remarks**

*Professor Jeff Reading, Faculty of Health Sciences, SFU; First Nations Health Authority Chair in Heart Health and Wellness at St. Paul's Hospital*

*Professor and Vice-President Research & Innovation, Gail Murphy, UBC*

*Dean Dermot Kelleher, Faculty of Medicine, UBC or Professor Rob McMaster, Faculty of Medicine*

### **THEME of the DAY – COLLISION OF CARE NEEDS, ENGINEERING, IMAGING AND CLINICAL LEADERSHIP**

**8:20-10:00 am Mini Symposium 1: Engineering and Bioengineering - What's New and What's on the Horizon?**

**Chairs:** *Jonathon Leipsic, Fabio Rossi*

8:20-8:30 *Sam Wadsworth – 3-D printing – progress, challenges, solutions*

8:35-8:45 *Peter Zandstra – Bioengineering in the future of regenerative medicine*

8:50-9:00 *Darra Murphy – Fractional flow reserve determined from cardiac CT*

### **Facilitated Roundtable Discussion**

**9:30-10:00 am Health Break**

**10:00-11:00 am Alan Bernstein Distinguished Lecture/Distinguished Speaker in Cardiovascular Medicine**

**Chairs:** *Jim Abel, John Cairns*

*Marc Ruel – The case for some broadness? An attempt at bridging together cardiac biologics, epidemiology and surgery*

### **Facilitated Discussion**

**11:15-11:45 am Rapid Fire Trainee Poster Presentations**

**11:45 am-1:15 pm Lunch and Rambunctious Poster Viewing & Judging**

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## AGENDA

**1:30-2:30 pm**      **Mini Symposium 2: Health Care Teams: Laboratory Science, Imaging, and Integrated Care & Innovation**  
**Chairs:** *Ed Moore, Stephanie Sellers*

1:30-1:40      *Mari DeMarco* – New in diagnostics – From need to bench and back

1:45-1:55      *Cam Hague* – Imaging to support respiratory care

2:00-2:10      *Sandra Lauck* – Challenges and successes of a multi-disciplinary team approach

### **Facilitated Roundtable Discussion**

**2:30 – 3:30 am**      **Mini Symposium 3: Clinical Leadership – How Do We Get to the Next Level?**  
**Chairs:** *Don Sin, Laura Arbour*

2:30-2:40      *Mark FitzGerald* – Addressing COPD care: A distributed perspective

2:45-2:55      *Simon Pimstone* – SAVE BC – Identifying risk for early CAD, preventing progression, intervening for better outcomes

3:00-3:10      *Margot Davis* – Integrating basic and clinical research into clinic life

### **Facilitated Roundtable Discussion**

**3:30-3:45 pm**      **Health Break**

**3:50-4:50 pm**      **David Bates Lecture**  
**Chairs:** *Michael Brauer, Tillie Hackett*

*Rick Burnett* – A Local Burden of Disease Study Due to Outdoor Air Pollution

### **Facilitated Discussion**

**5:00-6:30 pm**      **Reception, Honoured Guest Recognition, Poster Viewing**

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## AGENDA

# FEST Scientific Symposia

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**Wednesday, February 7<sup>th</sup> 2018**

**7:15-8:00 am Registration and Light Breakfast**

***Theme of the Morning: MOLECULAR BASIS OF HEALTH & DISEASE***

**8:00-9:00 am Mini Symposium 4: Inflammation and Immunity in Heart & Lung Disease**

**Chairs:** *Honglin Luo, Michael Kobor*

8:00-8:10 *David Granville* – Injury & repair: Common pathways, lessons learned, different tissues

8:15-8:25 *Keith Walley* – PCSK9 and sepsis – What's the link?

8:30-8:40 *Krish Ramanathan* – Ethnicity and inflammation in coronary artery disease

**Facilitated Roundtable Discussion**

**9:00-10:00 Mini Symposium 5: New Frontiers – iPS Cells, Gene Editing, Drug Targeting**

**Chairs:** *Jennifer Gardy, Ed Pryzdial*

9:00-9:10 *Pamela Hoodless* – Exon skipping – What's new and where is it going to skip next?

9:15-9:25 *John Babcock* – Emerging strategies in drug targeting

9:30-9:40 *Francis Lynn* – Realizing the power of iPS cells

**Facilitated Roundtable Discussion**

**10:00 – 10:15 Health Break**

**10:15-11:15 7<sup>th</sup> British Columbia Distinguished Lecture**

**Chairs:** *Stuart Turvey, Jonathan Choy*

*Megan Levings* – Biology and therapeutic potential of regulatory T cells

**Facilitated Discussion**

**11:20 – 11:45 Rapid-Fire Trainee Poster Presentations**

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## AGENDA

**11:50 – 12:50            Lunch and Rambunctious Poster Viewing & Judging**

*Theme of the Afternoon: DATA – HARNESSING, SHARING & BENEFITS*

**1:00-2:00                Mini Symposium 5: Big Data - What you need to know!**

**Chairs:** *Wyeth Wasserman, Raymond Ng*

1:00-1:10            *Paul Terry* – Tips for effective database design

1:15-1:25            *Casey Shannon* – Sharing your data: Do blockchain technologies have a role?

1:30-1:40            *Roger Tam* – Machine learning – Concepts and applications in medicine

**Facilitated Roundtable Discussion**

**2:00-2:45                Mini Symposium 6: The accelerating impact of Apps & wearables in health**

**Chairs:** *Andrew Krahn, Fiona Brinkman*

2:00-2:10            *Kendall Ho* – A clinician scientist’s perspective on the power of wearables in care

2:15-2:25            *Chris Cheung* – A young cardiologist’s views on the emerging impact of wearables

2:30-2:40            *Luc Beaudoin* – An entrepreneur’s perspective on wearables and their health value

**Facilitated Roundtable Discussion**

**2:50-3:00                Coffee Break**

**3:00-4:00                Graeme Copland Memorial Lecture**

**Chairs:** *Pearce Wilcox, Jeremy Road*

*Martin Kolb* – Blood vessels in IPF – bystander or driver of the disease?

**Facilitated Discussion**

**4:00-4:30                Poster Recognitions and Closing Remarks**

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