

---

## AGENDA

# FEST Scientific Symposium

---

**Thursday, February 7<sup>th</sup> 2019**



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

**8:00-8:09 am**            **Welcome from the FEST Program Committee**

**8:10-8:20 am**            **Opening Remarks**

*Dean Dermot Kelleher, Faculty of Medicine, UBC*

### **MORNING THEME – SEX, GENDER, AGE – HEART + LUNGS – CLINICAL SCIENCE**

**8:25-8:40 am**            **How do sex hormones affect heart/lung health? – Tara Sedlak/ John Boyd**

**8:40-8:50 am**            **Can we protect the heart/lungs from chemotherapy? – Margot Davis**

**8:50-9:05 am**            **Sex and gender issues for cardiology/respirology? – Annie Chou/ Janice Leung**

**9:05-9:15 am**            **Overweight in primary care – saving the heart/lungs? – Ali Zentner**

**9:15-9:25 am**            **What are the issues in heart/lung surgery for the sexes? – Jamil Bashir**

**9:25-9:35 am**            **Sex differences in adult congenital heart disease? – Jasmine Grewal**

**9:35-9:45 am**            **Major differences in imaging heart/lungs of the sexes? – Jonathon Leipsic**

**9:45-9:55 am**            **Are the sexes similar in their respiratory responses to exercise? – Jordan Guenette**

**9:55-10:20 am**            **Health Break**

**10:20-11:00 am**            **Panel Discussion – What are the major scientific and clinical issues related to age, sex, gender in heart + lungs? How might we better address these in British Columbia? – Moderated by Marla Kiess and Karin Humphries**

**11:00-12:00 pm**            **Graeme Copland Memorial Lecture – Shawn Aaron**  
*– Moderated by Mark Fitzgerald and Don Sin*

**12:00-1:00 pm**            **Lunch and Boisterous Poster Viewing**

---

## AGENDA

### AFTERNOON THEME – HEART + LUNGS – BASIC/ TRANSLATIONAL SCIENCE

- 1:00-1:15 pm**            **The developing heart – what’s new and true?** – *Pamela Hoodless*
- 1:15-1:30 pm**            **Injury of young lungs – mechanisms and consequences?** – *Kelly McNaghy*
- 1:30-1:45 pm**            **A human cardiac myocyte model for drug testing?** – *Zach Laksman*
- 1:45-2:00 pm**            **Hyperinsulemia, diabetes and the heart – what’s new?** – *James Johnson*
- 2:00-2:15 pm**            **New horizons in small airways biology – cell enumeration?** – *Tillie Hackett*
- 2:15-2:30 pm**            **Normal cardiac cell pacing – Does HCN have help?** – *Eric Accili*
- 2:30-2:45 pm**            **Foam cells in arterial walls – Do SMCs rule the roost?** – *Gordon Francis*
- 2:45-3:00 pm**            **Biomarkers for understanding asthma – what’s new?** – *Scott Tebbutt*
- 3:00-3:30pm**            **Health Break**
- 3:30-4:15 pm**            **Rapid-fire Poster Podium Snapshots**
- 4:15-5:15 pm**            **British Columbia Distinguished Lecture – John Webb**  
– *Moderated by Andrew Krahn and Jim Abel*
- 5:30-6:45 pm**            **Reception and Rambunctious Poster Viewing**

---

## AGENDA

# FEST Scientific Symposium

---

**Friday, February 8<sup>th</sup> 2019**

**7:00-7:55 am**            **On-site Registration/Breakfast**

**8:00-8:15 am**            **Reflections on Day 1, Forecast for Day 2**  
*Don Sin, Director, UBC Centre for Heart Lung Innovation*

### **MORNING THEME - NEW TOOLS & PLATFORMS – HELP FOR HEART + LUNGS**

**8:15-8:30 am**            **New, old and revised data analytics tools for complex data?** – *Casey Shannon*

**8:30-8:45 am**            **Harnessing special hosts and viruses to distill viral disease?** – *Marc Horowitz*

**8:45-9:00 am**            **Horizons in tools to understand the human microbiome?** – *Lisa Osborne*

**9:00-9:15 am**            **What is so special about CyTOF as an investigative platform?** – *Leonard Foster*

**9:15-9:30 am**            **Data science and health science – what frontier is upon us?** – *Raymond Ng*

**9:45-10:00 am**           **Single cell sequencing – why excitement and what cautions?** – *Rob Holt*

**10:00-10:30 pm**        **Health Break**

**10:30-11:15 am**        **Panel Discussion – Are we limited more by availability of tools and platforms or by good questions in our search for answers in science? How can we as a community be more effective and accelerated in leading-edge scientific pursuit in laboratories, clinics or communities?** – *Moderated by Peter Zandstra, Samuel Wadsworth, Stirling Bryan*

**11:15-12:15 pm**        **Alan Bernstein Distinguished Lecture – Santa Ono**  
*-Moderated by Carolyn Taylor and Stuart Turvey*

**12:15-1:00 pm**        **Lunch and Untrammled Poster Viewing**

### **AFTERNOON THEME – SPECIAL OPPORTUNITES – HELP FOR HEART + LUNGS**

**1:00-1:30 pm**            **What does a medical examiner's office have to do with science?** – *Barbara Sampson*

**1:30-2:00 pm**            **Why should journalists and scientists be partners? Why not?** – *Andre Picard*

---

## AGENDA

- 2:00-2:30 pm**      **How does the Canadian Digital Technology Supercluster engage industrial, academic and healthcare institutions?** – *Sue Paish*
- 2:30-3:00 pm**      **How can BC augment engagement with the Canadian Cardiovascular Society?**  
– *Andrew Krahn*
- 3:15-3:30 pm**      **Health Break**
- 3:30-4:30 pm**      **David Bates Lecture – Richard Leigh**  
– *Moderated by Jim Hogg and Tillie Hackett*
- 4:30-5:00 pm**      **Poster Celebration and Awards**
- 5:00 pm**              **Closing Comments and Appreciations**