
AGENDA

FEST Scientific Symposium

Thursday, February 7th 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? – John Boyd/ Tara Sedlak**

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/ Maen Obeidat**

9:05-9:15 am **What are the issues in heart/lung surgery for the sexes? – Jamil Bashir**

9:15-9:25 am **Sex differences in adult congenital heart disease? – Jasmine Grewal**

9:25-9:35 am **Major differences in imaging heart/lungs of the sexes? – Jonathon Leipsic**

9:35-9:45 am **Are the sexes similar in their respiratory responses to exercise? – Jordan Guenette**

9:45-10:15 am **Health Break**

10:15-10:45 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**

10:45-11:45 pm **Graeme Copland Memorial Lecture – Shawn Aaron**
– Moderated by Mark Fitzgerald

11:45-1:15 pm **Lunch and Rapid-fire Poster Podium Snapshots**

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AFTERNOON THEME – HEART + LUNGS – BASIC/ TRANSLATIONAL SCIENCE

- 1:15-1:30 pm** **The developing heart – what’s new and true?** – *Pamela Hoodless*
- 1:30-1:45 pm** **Injury of young lungs – mechanisms and consequences?** – *Kelly McNagny*
- 1:45-2:00 pm** **A human cardiac myocyte model for drug testing?** – *Zach Laksman*
- 2:00-2:15 pm** **Hyperinsulemia, diabetes and the heart – what’s new?** – *James Johnson*
- 2:15-3:00 pm** **New horizons in small airways biology – cell enumeration?** – *Tillie Hackett*
- 3:00-3:15 pm** **Normal cardiac cell pacing – Does HCN have help?** – *Eric Accili*
- 3:15-3:30 pm** **Foam cells in arterial walls – Do SMCs rule the roost?** – *Gordon Francis*
- 3:30-3:45 pm** **Biomarkers for understanding asthma – what’s new?** – *Ji-Young Kim*
- 3:45-4:45 pm** **Health Break and Boisterous Poster Viewing and Judging**
- 4:45-5:45 pm** **British Columbia Distinguished Lecture – John Webb**
– *Moderated by Andrew Krahn and Jim Abel*
- 5:45-7:00 pm** **Reception and Rambunctious Poster Viewing**

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FEST Scientific Symposium

Friday, February 8th 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 Horwitz*

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?** – *Fabio Rossi*

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?** – *Ciara O'Flanagan*

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 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 and Judging**

AFTERNOON THEME - SPECIAL OPPORTUNITES - HELP FOR HEART + LUNGS

1:00-1:30 pm **How can BC augment engagement with the Canadian Cardiovascular Society?**
- Andrew Krahn

1:30-2:00 pm **What does a medical examiner's office have to do with science?** – *Barbara Sampson*

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- 2:00-2:30 pm** **Why should journalists and scientists be partners? Why not?** – *Andre Picard*
- 2:30-3:00 pm** **How does the Canadian Digital Technology Supercluster engage industrial, academic and healthcare institutions?** – *Suzanne Gill*
- 3:15-3:30 pm** **Health Break**
- 3:30-4:30 pm** **David Bates Lecture – Richard Leigh**
– *Moderated by Jim Hogg and Dragos Vasilescu*
- 4:30-5:00 pm** **Poster Celebration and Awards**
- 5:00 pm** **Closing Comments and Appreciations**