

19th Annual International Meakins-Christie Laboratories Workshop

Systems Biology Approaches to Pulmonary Host-Pathogen Interactions

Research Institute of the McGill University Health Centre
Monday, October 30, 2017

Centre universitaire
de santé McGill
Institut de recherche



McGill University
Health Centre
Research Institute



In collaboration with the University of Sharjah

Location: Research Institute of the McGill University Health Centre (RI-MUHC)
Auditorium, ES1.1129
1001 boul Décarie, Montréal, Quebec, H4A 3J1

RSVP [link to come](#)

Symposium Overview: The purpose of this workshop is to highlight the use of experimental designs aimed at deciphering complex networks regulating host-pathogen interactions.

Symposium Planning Committee:

Simon Rousseau, PhD

Associate Professor, McGill University
Member, Meakins-Christie Laboratories
Scientist, Translational Research in Respiratory
Disease Program, RI-MUHC

Dao Nguyen, MD

Associate Professor, McGill University
Member, Meakins-Christie Laboratories
Scientist, Translational Research in Respiratory
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Basil Petrof, MD

Professor, McGill University
Director, Meakins-Christie Laboratories
Director, Translational Research in Respiratory
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Qutayba Hamid, MD, PhD

Professor, McGill University
Member, Meakins-Christie Laboratories
Scientist, Translational Research in Respiratory
Disease Program, RI-MUHC

For more information: www.meakinsmcgill.com/meetings-and-workshops

RSVP: <http://whoozin.com/4GQ-YCK-7HYA>

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Monday, October 30, 2017
RI MUHC Block E, Auditorium ES1.1129

Time	Description
08:30	<i>Workshop Registration</i> <i>Coffee and light breakfast served – outside RI-MUHC Auditorium ES1.1129</i>
08:50	Welcome Remarks: Symposium overview and objectives Basil Petrof, McGill University
SESSION 1 Session Chair: Simon Rousseau, McGill University	
09:00	Alexandra-Chloé Villani , Broad Institute The power of ONE: discovery and characterization of human immune cells through single cell approaches
09:40	Maziar Divangahi , McGill University Reprogramming of hematopoietic stem cells in immunity to infection
10:10	<i>Health Break – outside RI-MUHC Auditorium</i>
10:30	Luis Barreiro , Université de Montréal Genetic and social determinants of inter-individual variation in immune response to infections
11:10	Irah King , McGill University TB drugs alter the gut microbiome and shape innate immunity during M. tuberculosis infection
11:40	Panel Discussion and Questions
11:55	<i>Networking Lunch – RI-MUHC Atrium</i>
SESSION 2 Session Chair: Dao Nguyen, McGill University	
13:00	Sabah Hussain , McGill University Regulation of endothelial cell function by non-coding RNAs
13:30	Rifat Hamoudi , University of Sharjah Insights into the molecular mechanism of disease tissues using transcriptomic analysis
14:10	Simon Rousseau , McGill University Dynamic protein interactions with ubiquitin during the innate immune response of airway epithelial cells to bacterial ligands
14:40	<i>Health Break – outside RI-MUHC Auditorium</i>
SESSION 3 KEYNOTE LECTURE: SEYMOUR HEISLER MEMORIAL LECTURE	
15:00	David Guttman , University of Toronto Pathogen Evolution within the Cystic Fibrosis Lung
16:00	Qutayba Hamid , McGill University and University of Sharjah Panel Discussion on current research knowledge, advances, and gaps, and opportunities for collaborative research
16:30	<i>Symposium Adjourned</i>
18:30	Speaker Dinner (by invitation) <i>Members from the Heisler family will also join the dinner</i>

Organized in collaboration with the University of Sharjah



Symposium generously supported by:



*Seymour Heisler, BSc'64,
MSc'66, PhD'68*

Seymour Heisler Memorial Lecture Fund

The Seymour Heisler Memorial Lecture was established in 2015 to commemorate the late Dr. Seymour Heisler and celebrate his life, his tremendous scientific achievements and his preeminent role in cystic fibrosis research. This lecture fund supports creativity and continued innovation by inviting distinguished physicians and scientists to visit McGill and its teaching institutions and share their wisdom and insights. The Seymour Heisler Memorial Lecture features an accomplished scientist in an area related to cystic fibrosis.