

Genomic Medicine Canada 2017: *A symposium to discuss precision medicine initiatives*

Date: March 1st, 2017

Sponsors: The University of Toronto McLaughlin Centre, Canada's Genomic Enterprise (CGEn), and partners.

Location: Peter Gilgan Centre for Research and Learning Auditorium, The Hospital for Sick Children, 686 Bay Street, Toronto.

8:30-8:45: **Opening Comments:** Trevor Young (Dean, Faculty of Medicine, University of Toronto) and Stephen Scherer (The Hospital for Sick Children and University of Toronto).

Session I. Groundbreaking International Genomics

Chair: Mark Lathrop (McGill University)

8:45-9:00: Mark Lathrop comments

9:00-9:45: Keynote: David Glazer (*Verily/Google Genomics*): Big Data in Precision Medicine

9:45-10:30: Keynote: Mark Caulfield (*Genome England*): Genome Sequencing and the National Health System

10:30-10:45: Break

Session II. Collecting, Connecting and Decoding Big Data

Chair: Jared Simpson (Ontario Institute of Cancer Research)

10:45-11:15: Philip Awadalla (*Ontario Institute of Cancer Research*): Population Genomics and Electronic Medical Records in Canada

11:15-11:45: Gary Bader (*University of Toronto*): Pathway and Network Genomics in Medicine

11:45-12:15: Brendan Frey (*University of Toronto, Deep Genomics*): Machine-learning in Deep Genomics

12:15-1:15: Lunch

Session III. Translational Genomic Discovery and Diagnostics

Chair: Faiyaz Notta (Princess Margaret Hospital, Toronto)

1:15-1:45: Steven Jones (*BC Cancer Agency*): Genome Informatics and Cancer

1:45-2:15: Christian Marshall (*Hospital for Sick Children*): Whole Genome Sequencing Diagnostics

2:15-2:45: Adam Shlien (*Hospital for Sick Children*): Paediatric Cancer Sequencing

2:45-3:00: Break

Session III. Whole Genome Impact in Families and Medicine

Chair: Ronni Cohn (The Hospital for Sick Children)

3:00-3:30: Stephen Scherer (*Hospital for Sick Children*): Whole Genomes in Autism Spectrum Disorders

3:30-4:00: Yvonne Bombard (*St. Michael's Hospital and University of Toronto*): Genomic Medicine in Canadian Health Systems including Genetic Non-discrimination

4:00-5:00: **Panel Discussion: Towards Precision Medicine Initiatives**

Chairs: Mark Lathrop (McGill University) and Rod McInnes (McGill University)

Panelists: Michael Brudno (Hospital for Sick Children), Jordan Lerner-Ellis (Mount Sinai Hospital, Toronto), Jeremy Gruschow (Sequence Bio), Trevor Pugh (Princess Margaret Hospital, Toronto), Marc Fiume (DNASTack), Eddy Rubin (Metabiota and Lawrence Berkeley National Laboratory, USA)

The Chairs and each panelist will have 5 minutes to discuss, from their perspective, the needs for development of Precision Medicine Initiatives in Canada

Information & Registration: www.cvent.com/d/jvq6fx