Medical Grand Rounds

Thursday, June 14, 2018
12:00 — 1:00pm (lunch at 11:30am)
Auditorium A, University Hospital

Autism Spectrum Disorders: Genomes to Precision Medicine Applications

Objectives:

1. To present data indicating autism is largely a collection of rare disorders with common clinical endpoints, a proportion of which can now be defined through genome-based tests

2. To discuss how using whole genome sequencing should become a ‘standard-of-care’ test for autism and how the resulting data can be used to sub-categorize different forms impact medical management pathways

3. To present concepts that encourage ‘hypothesis-free’ investigation which can enable new discovery, and as such, present our latest data showing the role of a non-coding gene (IncRNA) in autism.

Dr. Scherer achieved the highest designation of University Professor at the University of Toronto this year, where he directs the $50M McLaughlin Centre. He also directs The Centre for Applied Genomics at the Hospital for Sick Children. His academic research develops and applies genomic sciences to understand human genetic variation and disease, most notably through the study of autism spectrum disorders. His team has sequenced ~10,000 entire genomes in research participants and controls, the most in Canada science, and this data has been made available to researchers around the world to enable ‘open science’ research. He will receive the 2018 Honorary Degree in Science from Western University.

The Medical Grand Rounds at University Hospital is a self-approved group learning activity (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada. 

Evaluations will be sent out and your attendance calculated automatically through One45.