

**CAN-ACN Satellite symposium by the Canadian Neurophotonics
Platform**

Sunday May 13th, 2018 Vancouver Canada.
Sheraton Wall Centre.

8:30 REGISTRATION | Lobby

9:00 WELCOME: Yves De Koninck (CERVO Brain Research Center, Université Laval)

9:10 SESSION 1: Big Data in Neurophotonics - Chair: Ed Ruthazer

9:10 Andrea Giovannucci, Simons foundation Quantitative tools to analyze two-photon based calcium imaging data

9:40 Majid Mohajerani Lethbridge, whole cortex data analysis

10:10 Jonathan Epp Univ. of Calgary, high-throughput and open source approaches to histology and analysis

10:40 Anna Xiao Luo UBC Machine Learning as Applied to Neuroscience

11:10 COFFEE BREAK Lobby

11:30 SESSION 2: Imaging the behaving brain - Chair : Tim Murphy

11:30 Jaideep Bains Calgary fiber photometry

12:00 Sylvain Williams McGill, Miniscopes and hippocampus

12:30 Lunch (included with registration – Earl's Test Kitchen, 905 Hornby St).

14:00 SESSION 3- Optical approaches for studying circuits - Chair: Kurt Haas

14:00 Yves De Koninck CERVO Brain Research Center, Université Laval Uncovering sensory coding strategies from population analysis".

14:30 COFFEE BREAK Lobby

14:50 Robert Campbell University of Alberta, Optogenetic tools for neurophotonics

15:20 Jack Waters Allen Institute for Brain Science, 3-photon microscopy and adaptive optics

15:50 CLOSING REMARKS: Yves De Koninck

17:00 Opening of the 12th Annual Canadian Neuroscience Meeting