

# CAN-ACN Satellite symposium by the Canadian Neurophotonics Platform

Sunday May 13<sup>th</sup>, 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** | McGill University

9:10 Andrea Giovannucci | Simons foundation

*Calman: Calcium Imaging data Analysis for the 99%*

9:40 **Majid Mohajerani** | Lethbridge University

*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** | University of Calgary

*Anticipating and acting on threats - insights using fibre photometry*

12:00 **Sylvain Williams** | McGill University,

*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 12<sup>th</sup> Annual Canadian Neuroscience Meeting