



Final Program

9:00 - 9:20 AM	Welcome and Introduction to the Canadian Neurophotonics Platform Tim Murphy and Robert Campbell introduce Platform Director Yves De Koninck (Laval Univ.)
9:20 - 9:25	Questions and discussion
9:25 - 10:05	"Image processing and automation, a nuts and bolts intro to working with image data and its automation." Daniel Côté , Laval University.
10:05 - 10:10	Questions and discussion
10:10 - 10:50	"Optogenetic sensors and actuators." Robert Campbell , University of Alberta.
10:50 - 10:55	Questions and discussion
10:55 - 11:15	Coffee break
11:55 - 12:00 PM	"Opsin expression and light delivery systems." Jaideep Bains , University of Calgary
12:00 - 1:45	Lunch
1:45 - 2:10	"Viral core facility and vector optimization." Marie-Ève Paquet , Laval University
2:10 - 2:15	Questions and discussion
2:15 - 2:55	"Super resolution microscopy as applied to synaptic proteins" Paul De Koninck Laval University
2:55 - 3:00	Questions and discussion
3:00 - 3:15	Coffee break
3:15 - 3:55	"High resolution histology and brain clearing, discussion of light sheet and other new methodologies." Yves De Koninck Laval University
3:55 - 4:00	Questions and discussion
4:00 - 4:40	"Imaging functional connectivity from synapse to network with emphasis on species-specific advantages." Kurt Haas , UBC and Ed Ruthazer , McGill University.
4:40 - 4:45	Questions and discussion