08:30 - 09:30  Breakfast and Introduction of Speakers

09:00 - 09:40  Dr. Simon Duchesne  
“The Canadian Dementia Imaging Protocol: Harmonizing National Cohorts”
Objectives:
* Describe automated techniques for morphometry analyses of brain MRI in the context of neurodegeneration
* Describe novel machine learning techniques for MRI-based prognostic in the context of neurodegeneration

09:40 - 10:20  Dr. Alyson Fournier  
“Small Molecule Stabilization of Protein Interactions to Promote Axon Regeneration”
Objectives:
* Define 14-3-3 adaptor proteins and small molecules targeting these proteins
* Describe the influence of small molecules targeting 14-3-3 proteins on axon regeneration in a pre-clinical optic nerve injury model
* Discuss the mechanism used by these small molecules to promote axon regeneration

10:20 - 10:40  Break

10:40 - 11:20  Dr. Chris Naus  
“Gap Junction Channels and Stroke: An Open and Shut Case”
Objectives:
* Review structure and function of gap junctions in the context of brain function
* Present findings related to astrocyte gap junctional coupling in ischemic brain injury
* Provide perspective on potential therapeutic applications of targeting gap junctions in the brain

11:20 - 12:00  Dr. Lynn Raymond  
“Synaptic Dysfunction and Biomarkers in Prodromal Huntington Disease: Towards Disease-Modifying Therapy”
Objectives:
* Describe the genetic, clinical and pathological features of Huntington disease (HD)
* Understand brain changes and biomarkers associated with the prodromal stage of HD
* Review research implicating early synaptic dysfunction as potential target for disease-modifying therapy

Friday, October 12, 2018
Room E1130
Health Sciences Building

This is an Accredited Group Learning Activity as defined by the Maintenance of Certification Program (MoCOMP) of the Royal College of Physicians and Surgeons of Canada.