CAN-ACN 2018 Satellite 4:  
Neural stem cells in development and adulthood

Event Agenda

8h30: Arrival and Registration (Pavilion A, 3rd floor of the North Tower at the Sheraton Wall Centre).

9h00 Opening remarks Armen Saghatelyan (CERVO Brain Research Center)

Session 1: Embryonic neurogenesis Chair: Michel Cayouette (Institut de recherches cliniques de Montréal)

9h10 Derek van der Kooy (University of Toronto)  
*Primitive and definitive neural stem cells generate different types of neural progenitor cells*

9h40 Carol Schuurmans (Sunnybrook Research Institute)  
*Maintaining embryonic neural stem cell quiescence via a proneural gene based toggle switch*

10h10 Michel Cayouette (Institut de recherches cliniques de Montréal)  
*Transcriptional regulation of cone photoreceptor production in the developing retina*

10h40 coffee break

Session 2: Adult neurogenesis Chair: Armen Saghatelyan (CERVO Brain Research Center)

11h00 Karl Fernandes (Université de Montréal)  
*Biological properties of dormant neural stem cells revealed by genetic targeting in the adult murine brain*

11h30 Jing Wang (Ottawa Hospital Research Institute)  
*Epigenetic Regulation of Lipid Metabolism in determining adult neural stem cell fate*

11h50 Armen Saghatelyan (CERVO Brain Research Center)  
*The role of Ca2+ transients in the regulation of adult neural stem cells activity*

12h20 Lunch (included with registration: Burrard Room, Century Plaza Hotel, 1015 Burrard Street)
Session 3: Functional implication of adult NSCs and their activation for neural repair
Chair: Freda Miller (The Hospital for Sick Children)

14h00 David Kaplan (The Hospital for Sick Children)
Revitalizing the aging neural stem cell niche

14h30 Paul Frankland (The Hospital for Sick Children)
Hippocampal neurogenesis and forgetting

15h00 coffee break

15h20 Cindi Morshead (University of Toronto)
Activating endogenous stem cells for neural repair

15h50 Donald Mabbott (The Hospital for Sick Children)
Metformin results in hippocampal remodeling and improved memory encoding in paediatric brain tumor survivors treated with cranial radiation: A pilot randomized controlled crossover study

16h10 Closing remarks David Kaplan, Freda Miller, Armen Saghatelyan

Sponsors:
CERVO Brain Research Center
SickKids Neurosciences and Mental Health Program