

Neurosciences



Seminar Series

Tuesday January 21st, 2020
1:00-2:00pm

uOttawa, Roger Guindon Hall
451 Smyth Rd.
Seminar Room 1421



Presented by:

Roger Thompson, PhD

Hotchkiss Brain Institute
Department of Cell Biology & Anatomy
University of Calgary
Calgary, AB

Hosted by: Stephen Ferguson

Seminar Title:

"An unexpected neuroprotective role for amyloid beta during stroke"

Learning Objectives:

- 1) Neuronal death during stroke involves a unique 'metabotropic' function the the NMDA-type glutamate receptor.
- 2) Given the importance of NMDA receptors for synaptic plasticity and memory, and their propensity to kill neurons through excitotoxicity, it is surprising that endogenous regulators of neuronal death have not been identified.
- 3) The Alzheimer's disease related protein, amyloid beta suppresses metabotropic NMDA receptor excitotoxicity through action at mGluR1/5.

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