



Regulation of Metabotropic Glutamate Receptor Signaling: Role in Huntington's and Alzheimer's Diseases

SEMINAR & VISITING SPEAKER SERIES WORLD WIDE NEURO PLATFORM

DATE

Monday, May 16, 2022
12:00 PM CST

WORLD WIDE NEURO LINK

This talk will be hosted on zoom:

<https://umanitoba.zoom.us/j/69024360004?pwd=eG0vaFNCUIVxWURtayt1eERQRfpLUT09>

MEETING ID 690 2436 0004

PASSCODE 049071

SPEAKER

**Dr. Stephen SG Ferguson, PhD,
FCAHS**

Tier I CRC in Brain & Mind, University of Ottawa Brain & Mind Research Institute
Professor, Department of Cellular and Molecular Medicine-
Director, uOttawa Behavior and Physiology Core Facility,
University of Ottawa

BIO

Dr. Ferguson received the first Michael Smith MRC post-doctoral training award to train with the late Dr. Marc Caron at the Howard Hughes Medical Institute at Duke University. He was then recruited to the Robarts Research Institute in London Ontario in 1997. During his tenure at Robarts he served as the Founding Director of the Cell Biology and Molecular Brain Research Group (2001-2014) and was the interim Deputy Director of the Robarts Research Institute (2007). He was the founding Director of the London Regional Cell and In Vitro Molecular Imaging Facility (1999 to 2015). He received the Senior Investigator (2005) award from the Pharmacological Society of Canada and is one Canada's Top 40 under 40 awardees. In 2012 he received the Queen Elizabeth Diamond Jubilee Medal and received the Association of Neurons and Disease Investigator Award in 2014. In 2015, he was recruited as a Full Professor to the Department of Cellular and Molecular Medicine at the uOttawa as a Tier 1 Canada Research Chair (CRC). He became a

Fellow of the Canadian Academy of Health Sciences in 2021. He is currently the Director of the uOttawa BEHP Core. He also has 22 years of experience successfully running peer reviewed core research facilities. Dr. Ferguson holds three five-year project grants from CIHR. Dr. Ferguson has published 169 manuscripts and his work is well cited, as he has an H factor of 70 and 21000+ citations for his research studies (Google Scholar). Dr. Ferguson's expertise is sought by numerous scholarly agencies where he contributes extensively to national and international advisory boards and peer review panels. He has also received attention in the international press for his studies on mood disorders, as well as his work on understanding the molecular basis of Huntington's disease and AD. In 1999, Dr. Ferguson founded the Great Lakes GPCR Retreat in 1999. This internationally acclaimed meeting has become one of the most important GPCR meetings held world-wide. Dr. Ferguson maintains a heavy peer review load and has served on the Editorial Board of Journal of Biological Chemistry and currently serves on the Editorial Boards of Molecular Brain and Frontiers in Cellular Neuroscience, Channels and Scientific Reports. In addition, he is regularly invited to provide reviews for notable journals such as Cell, Science, Nature, Nature Cell Biology, Nature Neuroscience, Nature Neuroscience Reviews, PNAS, and, as well as numerous other international journals.

OBJECTIVES

1. Discuss molecular regulation of mGluR1/5 signaling
2. Understand the role of mGluR5 in Huntington's disease
3. Understand the role of mGluR5 in Alzheimer's disease and Abeta oligomer signaling

For more information:

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