

SEP

WED  
2810<sup>30</sup>  
AM

SSC 1511

**DR. JEAN-MARTIN BEAULIEU**

Associate Professor,  
Department of Pharmacology and Toxicology,  
UNIVERSITY OF TORONTO

**Topic: Receptors Conversing in Space and Scales**

Dr Beaulieu received a PhD in Neurological Sciences from McGill University and completed his post-doctoral training at Duke University. Prior to his recruitment at the University of Toronto Dr. Beaulieu was associate professor and Canada Research Chair (Tier2) in the department of Psychiatry and Neuroscience at Laval University. He is now Canada Research Chair (Tier1) and associate professor at the department of Pharmacology and Toxicology of the University of Toronto.



Dr. Beaulieu's research is aimed at understanding how cellular and molecular mechanisms regulated by psychoactive drugs intersect with genetic risk factors for mental illnesses such as schizophrenia, depression, and bipolar disorder. Dr. Beaulieu has pioneered work establishing a role for Beta-arrestin signaling in the brain in vivo and has established its importance in D2 dopamine receptors (D2R) functions. His current work uses a combination of CRISPR/Cas-mediated approaches to manipulate gene expression in a neuronal circuit specific manner. The conference will present examples of the use of these approaches to study how various G protein coupled receptor interact at different spatial scales to regulate physiological functions and behavior.

All welcome to attend

More information on MCB's website:  
[www.uoguelph.ca/MCB](http://www.uoguelph.ca/MCB)