



# Manitoba Neuroscience Network

2014/2015 Seminar & Visiting Speaker Series

Friday, May 15th, 2015 | 1:00 p.m.



## Dr. Marco Prado, Ph.D.

Professor Department of Physiology and Pharmacology  
and Department of Anatomy & Cell Biology  
Molecular Medicine, Robarts Research Institute  
The University of Western Ontario

**Topic: Abnormal RNA metabolism and cognitive dysfunction in Alzheimer's disease**

Location: Theatre C, Basic Med Sciences Bldg.

Marco Prado, a Brazilian-born Canadian neuroscientist, has a strong interest in understanding how molecular and cellular changes in neurodegenerative diseases cause cognitive failure. After finishing his PhD and post-doctoral fellowship in 1994, he directed a research laboratory in Brazil until 2008, when he was recruited as a full professor by the University of Western Ontario and as a scientist at the Robarts Research Institute. Marco was recognized as a Guggenheim fellow by the John Simon Guggenheim Memorial Foundation in 2004 and received a Faculty Scholar Award from the University of Western Ontario (2013-2014). In collaboration with his life partner, Vania Prado, he has generated novel genetically-modified mice to model neurochemical deficits in dementia, with particular focus on Alzheimer's disease. These mice have allowed for new discoveries on mechanisms of cognitive failure using state-of-the art touchscreen technology to assess mouse cognition. One of his major interests is to develop new treatments for Alzheimer's disease. Other interests in the Prado laboratory span prion diseases and their interface with Alzheimer's disease and stroke. He has received continuous grant support for 20 years from the NIH, CIHR, the Alzheimer's Association, Brain Canada, Weston Brain Institute, CNPq and other agencies in 3 countries (Brazil, USA and Canada). Marco has deposited 3 patents (2 pending and 1 granted), trained over 30 graduate students and post-doctoral fellows and published over 125 peer-reviewed scientific manuscripts in top tier scientific journals such as Neuron, PLoS Biology, PNAS, J. Neuroscience and FASEB J.

For more information, contact the MNN Office at  
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