PROGRESS IN NEUROSCIENCE
PINS
Seminar Series of the
Brain & Mind Research Institute
Weill Cornell Medical College (WCMC)
&
The Graduate Program in Neuroscience of
WCMC and Sloan Kettering Institute
Thursday, 11/10/16, 4 PM, coffee at 3:45 PM
Weill Auditorium (C-200)

“Molecular Mechanisms of Pain: From Calcium Channels to Optogenetics”

Gerald W. Zamponi, PhD, FRSC, FCAHS
Professor and Senior Associate Dean,
Research Canada research Chair in Molecular Neuroscience

Abstract

Dr. Zamponi is an expert on the molecular physiology and pharmacology of voltage-gated calcium channels, and how they can be targeted towards the development of new pain therapeutics. He will describe a new molecular pathway by which calcium channel function is dysregulated during various chronic pain conditions, and how this knowledge can be exploited to develop novel analgesics. He will also talk about the use of optogenetics approaches to decipher how pain signals are processed in higher brain centers.

Recent Relevant Publications: