manitoba neuroscience network

From receptors to pain: The Molecular dynamics of pain

SEMINAR & VISITING SPEAKER SERIES

DATE

Friday, April 15th, 2016
12:00 NOON

LOCATION

Theatre C
Bannatyne Campus

SPEAKER

Micheal Salter, PhD

Chief of Research, The Hospital for Sick Children Senior Scientist - Program in Neurosciences & Mental Health

Professor of Physiology, University of Toronto

BIOSKETCH:
Dr. Salter's main research focus is on synaptic physiology, in particular in relation to pain, and he has done groundbreaking work that has led to new paradigms about neuroplasticity and about how synaptic transmission in the central nervous system is regulated by biochemical processes within neurons and by glial-neuronal interactions. His discoveries have broad implications for the control of cell-cell communication throughout the nervous system and his work has regularly appeared in elite journals including Nature, Science, Cell, Nature Medicine and Neuron. Dr. Salter has a broad interest in neuroscience and his work relevant to learning and memory, stroke-induced neuron death, epilepsy and schizophrenia. As a distinct line of research, he and his collaborators reported in Cell in 2006 their discovery of a previously unsuspected role for sensory neurons in the pathogenesis of diabetes and in the control of glucose homeostasis.

For more information:

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