



Manitoba Neuroscience Network

Friday, April 29th, 2011 | 9:00 - 10:00am

Dr. Ben Albensi

Everett Endowment Fund Chair
Associate Professor of Pharmacology & Therapeutics
Adjunct Professor of Electrical & Computer Engineering
University of Manitoba
Principal Investigator, Division of Neurodegenerative Disorders
St. Boniface Hospital Research Centre



Topic: Neurostimulation in Epilepsy and Beyond

Location: Samuel Cohen Auditorium, St. Boniface Research Centre*

*Video-linked to Theatre B, Bannatyne Campus

Summary of Research:

Dr. Albensi's lab is focused on understanding hippocampal dysfunction. Situated deep in the temporal lobe of the human brain, lays the hippocampal formation, a network of circuits unlike any other structure in the nervous system. The hippocampus is the site of many disease processes, but there are two diseases that stand out; those being Alzheimer's disease and epilepsy. To this end, he has investigated the biological basis of memory impairment and alterations in neuronal excitability (eg., seizures) in the hippocampus caused by calcium overload and alterations in NF-kB signaling. He has developed several animal models to explore both novel mechanisms and novel therapies for treatment of those diseases. His methods include, electrophysiology, calcium imaging, behavioral tests, MRI, and standard cell and molecular assays. His seminar will focus on novel therapies, such as neurostimulation, for treating epilepsy and other disorders.

For more information, contact the MNN Office at
(T) 235.3939 or email: mnn@sbrc.ca

Presented in co-operation with University of Manitoba
Clinical Neuroscience Rounds

An initiative of: SOCIETY FOR NEUROSCIENCE



Winnipeg Chapter