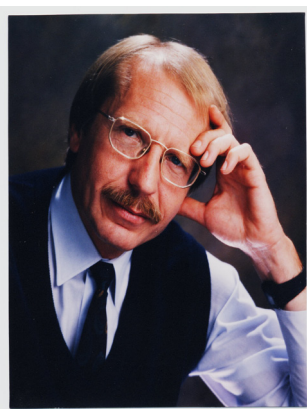


# Manitoba Neuroscience Network

Friday, October 29, 2010 | 9:00 - 10:00am



## Dr. Jim Nagy

Professor, Department of Physiology  
University of Manitoba

**Topic:** Neuroanatomy, structural composition and regulation of electrical synapses in the mammalian central nervous system.

**Location:** Room PX236/238 Psych Health Bldg. Bannatyne Campus

### Dr. James I. Nagy's Summary of Research:

- Identification of gap junction proteins, connexins, expressed by astrocytes, oligodendrocytes and neurons in the central nervous system.
- Analysis of the regulation of glial gap junctional communication and the contribution of glial gap junctions to neural injury and to neuroprotection in animal models of stroke.
- Elucidation of the role of neuronal gap junctions in electrical synaptic transmission and inter-neuronal communication in the adult central nervous system in normal and disease conditions.
- Studies on the developmental regulation of neuronal connexins and the contribution of inter-neuronal gap junctions to neuronal development in mammalian CNS.

For more information, contact the MNN Office at  
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Presented in co-operation with University of Manitoba  
Clinical Neuroscience Rounds

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Winnipeg Chapter