

MSc / PhD Position in Neuroscience

An MSc / PhD position is available immediately in the Neuroscience Laboratory of Dr. Raad Nashmi in the Department of Biology at the *University of Victoria* (UVic). The successful applicant will be admitted to the *Graduate Neuroscience Program* at UVic.

Eligibility: Applicants must have a bachelor of science or master of science degree and preferably hold a major scholarship from any of the following agencies, NSERC, CIHR, or other provincial agencies such as the Michael Smith Foundation. Outstanding candidates will be considered regardless of scholarship award.

Research Interests in the Lab: Nicotinic receptors are a major class of ligand-gated ion channels in the brain that modulate synaptic transmission. Altered nicotinic receptor function are implicated in the pathogenesis of many neurological disorders including nicotine addiction, epilepsy and schizophrenia. The candidate will examine the functional role of nicotinic receptors in the CNS using a variety of techniques including brain slice whole-cell patch-clamp recordings and confocal imaging. The lab employs other approaches including molecular biology and knock-in mouse genetic engineering to examine nicotinic receptor function, expression and regulation in the CNS.

Lab Resources: The lab is equipped with modern instruments including a spectral confocal microscope, two patch-clamp electrophysiology rigs, cell culture facility, and molecular biology equipment. Excellent research facilities and equipment are available at the UVic campus including a new 10,000 ft² animal facility, a Mass Spectrometry facility, and two multiphoton microscopes.

About UVic and Victoria: The University of Victoria (www.uvic.ca) is a mid-size school of about 20,000 located on Vancouver Island in the city of Victoria, the capital of British Columbia. Greater Victoria region has a population of 330,000 and has all the amenities common to major Canadian cities. Victoria boasts breathtaking natural scenery and a mild climate, making it one of the most desirable places to live in Canada.

Contact Info: Please email transcripts and a CV to Dr. Raad Nashmi (raad@uvic.ca).

Department Web site: <http://web.uvic.ca/biology/people/facpages/nashmi.php>

Lab Home Page: <http://web.uvic.ca/~raad/>