

CURRENT RESEARCH OPPORTUNITIES

Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, Medical Biophysics, Microbiology & Immunology, Pathology & Lab Medicine, Physiology & Pharmacology, **Neuroscience**, Surgery

Supervisor(s): Dr. Giovanni Pellegrino

Keywords: Epilepsy, multimodal neuroimaging, neurophysiology, excitability

Vacancies: 2

MSc/PhD or Postdoc Available?: MSc, PhD (4 years)

Description: Multimodal neuroimaging, neurophysiology and brain stimulation in healthy subjects and patients with drug resistant epilepsy. Objectives are 1) study of brain physiology leveraging a model (epilepsy) which allows multiscale recordings from large regions to single neurons with invasive recordings; 2) improve the localization of the epileptic focus in people with epilepsy to provide better surgery; 3) study of excitability in healthy and disease, and development of new methods for its measurement.

To Apply: Applicants must independently apply to the program using the online Western [application portal](#), **including a clear reference to the supervisor**

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the [Academic Programs Coordinator](#), for more information about the description/design of the project, you may contact Dr. Pellegrino directly: giovanni.pellegrino@lhsc.on.ca