

## **1 PhD and 1 Post-doc needed @ Western Epilepsy**

We are searching for **1 PhD** researcher and **1 Post-Doctoral** researcher interested in working in the fields of neurophysiology/neuroimaging/epilepsy, ranging from intracellular recordings using patch-clamp and multi electrode arrays in human slices to stereoEEG, high-density EEG, TMS-EEG and 7T fMRI.

Research activities are conducted at the **Comprehensive Epilepsy Program @ Western University – London Health Science Center** and @ the **Robarts Research Institute** in London, Ontario, Canada, and in collaboration with internationally renowned partners.

The Comprehensive Epilepsy Program at Western University – London Health Science Center is one of the largest surgical centers in North America, with an 11 bed Epilepsy Monitoring Unit (EMU), and access to cutting-edge neuroimaging and neurophysiology. The program is the hub of a large neuroscientific and health care network, serving people in Ontario and Nationwide.

The research goal is to investigate the neural substrates of neuronal excitability in the normal human brain and during disease.

Activities are supervised by Drs. **Giovanni Pellegrino, Julio Martinez-Trujillo, Ali Khan.** The trainees will be plugged in a large network of labs and researchers including J. Burneo, A. Suller-Marti, D. Steven, J. Lau, L Muller and others.

### **Prerequisites:**

- Background in neuroscience, medicine, psychology, computer science, biology, mathematics, physics, engineering or other related disciplines
- Previous experience with Matlab and/or Python.

**Salary and benefit package:** as per Western University policy

**For more info:** [giovannipellegrino@gmail.com](mailto:giovannipellegrino@gmail.com) / [ali.khan@uwo.ca](mailto:ali.khan@uwo.ca) / [julio.martinez@Robarts.ca](mailto:julio.martinez@Robarts.ca)