Joint Postdoctoral Fellowship
Temerty Centre for Therapeutic Brain Intervention and
The Brain Health Imaging Centre
Campbell Family Mental Health Research Institute
Centre for Addiction and Mental Health

Position Description:

The Temerty Centre for Therapeutic Brain Intervention and the Brain Health Imaging Centre at the Centre for Addiction and Mental Health is seeking a joint postdoctoral fellow. In this role, the candidate will be supervised by Dr. Daphne Voineskos and Dr. Colin Hawco. The candidate will work on federally funded projects using MRI data to identify individualized targets for brain stimulation via rTMS and extensive collection and analysis of biomedical data (e.g., EEG and fMRI) from patients.

The Temerty Centre offers Canada's most advanced and extensive brain stimulation research and clinical program and is committed to designing new treatments and diagnostic solutions for patients with severe neuropsychiatric illnesses. The Brain Health Imaging Centre hosts a collaborative multi-PI computational neuroimaging research group focused on neuroimaging biomarkers in psychiatric research. Available resources include high powered computational resources, research support staff and system admins, and a well curated pipeline system. Both centres house large teams of scientists, postdoctoral fellows, and graduate students from a wide range of educational and research training backgrounds (e.g., Engineering, Physics, and Medicine) that work together in teams to drive research programs at the forefront of neuroscience and neuroengineering discoveries. The postdoctoral fellow selected for this fellowship will engage in research and training within an interdisciplinary environment at the intersection of clinical research, neuroengineering and neuroimaging. This is a unique position shared across two leading research centres within Canada's largest, world-leading psychiatric research hospital.

Qualifications:

Preference will be given to candidates who possess a PhD degree in neurosciences, electrical and/or Biomedical Engineering, Mathematics or Physics. The candidate should have experience in MATLAB or python programming, simNIBS, EEG or MRI data analysis, and be proficient in application of statistics to biomedical signals. previous knowledge and experience in EEG source localization, connectivity analysis and familiarity in working with high performance clusters are assets. Our centres support diversity and respect in the workplace, and provides a high quality and positive learning environment for all trainees. Funds are available for at least two-years at a competitive salary.

Remuneration: $60,000 – 65,000 CAD

Interested applicants should submit their CV and the names of 2 references to Dr. Daphne Voineskos *daphne.voineskos@camh.ca*