Postdoctoral Position, Cognitive Neuroscience

Centre for Addiction and Mental Health
University of Toronto

The Centre for Addiction and Mental Health (CAMH) is Canada's largest mental health and addiction teaching hospital, as well as one of the world's leading research centres in the area of addiction and mental health.

CAMH is seeking a Post-Doctoral Fellow for a 2-year term to work in the Brain Health Imaging Centre under the supervision of Dr. Colin Hawco, as part of a collaborative multi-PI computational neuroimaging research group that is focused on neuroimaging biomarkers in psychiatric research.

Position Description:
The successful candidate will apply advanced computational and statistical approaches to available neuroimaging data which includes task based and resting-state functional MRI, structural MRI, diffusion MRI, as well as cognitive/behavioural measures. Current primary research topics include multi-modal brain-behaviour relationships and the interface between neuroimaging and brain stimulation (e.g. rTMS). Available neuroimaging data has been preprocessed and passed initial QC and is ready for statistical analysis.

The successful candidate will also have access to numerous publically available large sample data sets such as Human Connectome Project (HCP), ABCD, the ABIDE autism dataset, and many others, as well as a large set of locally available neuroimaging scans on disorders such as schizophrenia, depression, bipolar, late-life depression, and Alzheimer's Disease.

Computational resources include a Linux cluster of 22 high-powered workstations, four high-powered computer nodes (e.g. 40 Xeon core processors and 128 GB RAM each), and a qsub system. Additional resources include research support staff and system admins, and a well-curated pipeline system that includes current standards such as BIDS naming, standardized preprocessing (e.g. fMRIprep), thorough data QA/QC, and reproducible computing (e.g. containerization).

Qualifications: The ideal candidate will have or be completing a PhD in psychology, neuroscience, or a related field, and have research experience in cognitive neuroscience, functional MRI, EEG, and/or computational approaches and coding (R, python, Matlab).

Please note: Collaboration with trainees is expected. Funds are available for at least two-years at a competitive salary. Start date is dependent on the candidate's availability. This full-time position is not part of any bargaining unit.

For more information, please email **colin.hawco@camh.ca**, including a CV and statement of research interests. Inquires welcome.

CAMH is a Tobacco-Free Organization.

CAMH is fully affiliated with the University of Toronto and is a teaching hospital and research institute. As a CAMH employee, you will be expected to actively support CAMH's teaching and research activities, in addition to supporting the clinical work of the hospital.

At CAMH, we strive to be an equitable and inclusive employer. Our commitment to equity is grounded in an institution-wide commitment to achieving a working, teaching, and learning environment that is free of discrimination and harassment.

CAMH actively seeks candidates from First Nations, Métis and Inuit, racialized and LGBTQ2+ communities, women, and people with disabilities (including people who have experienced mental health and substance use challenges).

We encourage people from all backgrounds to apply to our positions.

We thank all applicants for their interest, however, only those selected for an interview will be contacted. Please inform us if you require accommodations during the interview process.