Psychiatry
UNIVERSITY OF TORONTO

camh

May 7, 2024

Postdoctoral scholar position in clinical neuroscience at the University of Toronto and the Centre for Addiction and Mental Health

A postdoctoral position is available in the Brain, Body, and Perception Research Program https://bbp.lab.utoronto.ca/ to study neural and behavioural phenotypes associated with visual perception, body processing, emotion, and reward.

Description: Our lab studies brain and behavioural phenotypes across disorders of body image including body dysmorphic disorder and eating disorders. We are passionate and committed to understanding these understudied disorders to improve treatment strategies, and we have produced seminal research studies in the field. Our group uses neuroimaging (fMRI, EEG, diffusion MRI, and structural MRI), neuromodulation (TMS), and physiological tools (ECG, eye-tracking, and psychophysics). We also develop and use novel digital 3D tools to assess body experiences in those with gender dysphoria as well as in those with disorders of body image. We employ multivariate, machine learning and other computational techniques for modelling behavioural, physiological, and neural responses and for predicting clinical outcomes. Our research is funded by the U.S. NIH and foundation grants.

The University of Toronto and the Centre for Addiction and Mental Health have a wealth of neuroimaging and clinical resources and career development support. You will be joining a productive and collaborative group using advanced neuroimaging techniques and creative software and hardware development that is grounded in strong clinical understandings of the phenomenology of psychiatric and other populations. The PI (Dr. Feusner) will provide mentoring and guidance, including grant writing for developing independent projects.

Requirements: Ph.D. or M.D./Ph.D. in neuroscience, cognitive science, computer science, engineering, biostatistics, physics, psychology, or related fields. We are looking for candidates with experience in analyzing fMRI data – including statistical analysis software such as FSL, AFNI, SPM, or others. The successful applicant will be able to function independently, work on more than one project at a time in a team setting, and lead and mentor students and research assistants. The successful applicant will have excellent computing and programming skills (Matlab, Python, R, and/or bash scripting), verbal English skills, and writing skills.

To apply: Please send your CV and either a research statement (1-2 pages) or cover letter that describes your research experience, your specific interests in this position, and how this position fits with your career goals to Dr. Jamie Feusner: jamie.feusner@utoronto.ca

BRAIN BODY PERCEPTION