

September 13, 2024

Post-doctoral position in clinical neuroscience at the Centre for Addiction and Mental Health

A post-doctoral scientist position is available in the Brain Body and Perception Research Program <https://bbp.lab.utoronto.ca> to study the neural 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 Centre for Addiction and Mental Health has a wealth of neuroimaging and clinical resources, as well as support for career development. You will be joining a productive and collaborative group that utilizes advanced neuroimaging techniques and creative software and hardware development, yet is also grounded in a strong clinical understanding 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