



Post-Doctoral Fellowship Position Available

The BrainFit Lab at the University of Toronto, in collaboration with SickKids – The Hospital for Sick Children is looking for a Postdoctoral Fellow for a study entitled: Neuroimaging of Dual Task Performance in Youth After Mild Traumatic Brain Injury (mTBI).

At the BrainFit lab our goal is to help the brain achieve peak performance following brain injury. To accomplish this we are doing research to better understand recovery from brain injury in children and youth.

The purpose of the study is to:

- 1) To evaluate performance on a dual-task paradigm for mTBI versus non-mTBI youth long-term (3-6 months) post-injury.
- 2) To examine the neural substrates associated with a dual-task paradigm in mTBI versus non-mTBI youth long-term (3-6 months) post-injury using functional magnetic resonance imaging.

The Postdoctoral Fellow will be contracted to work for approximately 18 months beginning as soon as possible. Salary will be according to CIHR requirements. This study is funded by the Ontario Neurotrauma Foundation.

Responsibilities

- To recruit and screen participants for scanning
- To develop and implement the fMRI protocols in partnership with the research team
- Conduct the fMRI experiments and process the data
- Analyze data using univariate Statistical Parametric Mapping techniques (SPM2) as well as conduct correlation and multivariate analyses using functional connectivity, Partial Least Squares (PLS) and structural equation modeling methods
- Report writing, manuscript preparation and dissemination of results at international scientific conferences

Qualification, Skills and Experiences

- Doctoral degree in Health Sciences or related area
- Established publication record in peer-reviewed journals
- Previous experience with neuroimaging techniques and data analysis
- Good interpersonal communication skills and collaborative working style
- Previous experience in the field of mild traumatic brain injury or dual-task paradigms an asset

Application Procedure

If you are interested, please send your curriculum vitae and a cover letter/personal statement to Michelle Keightley by **June 15th, 2009**. Department of Occupational Therapy, University of Toronto, 500 University Ave, Toronto, ON, M5G 1V7. E-mail: michelle.keightley@utoronto.ca