Rotman Research

Postdoctoral Fellow in Brain Physiology

The Rotman Research Institute of Baycrest, University of Toronto, is offering a postdoctoral fellowship on investigating the neurovascular and physiological mechanisms underlying resting-state functional MRI. There will be the opportunity for applying the methods to the study of aging and age-related diseases.

Projects will involve the use of functional MRI techniques as well as physiological monitoring equipment. The candidate would ideally have a recent PhD in Medical Physics or Biomedical Engineering, but skilled and motivated candidates from other disciplines may also be considered.

The ideal candidate would have interest and/or expertise in some of the following topics:

- Brain physiology
- Resting-state fMRI signal processing
- Functional connectivity
- EEG/MEG data acquisition and analysis
- Arterial-spin labeling

Experience in Linux/Matlab/C/Perl/Python programming as well neuroimaging analysis tools (eg. FSL, SPM, FreeSurfer, MincTools) would be a plus.

This postdoctoral position carries a minimum term of 2 years and is potentially renewable. Bursaries are in line with the fellowship scales of the Canadian Institutes of Health Research (CIHR) and include an allowance for travel and research expenses. A minimum of 80% of the fellow’s time will be devoted to research and related activities. Applicants are encouraged to obtain external funding. **CVs will be reviewed until the position is filled.** Interested applicants should submit the following via email to Jean Chen, Ph.D. jchen@research.baycrest.org, (with subject line “Postdoc Position”):

- Current curriculum vitae with complete bibliography and relevant reprints
- A cover letter describing current research and future research goals
- Three letters of reference should be sent independently

The successful candidate would join a team of world-class and multidisciplinary team of scientists. The Rotman Institute is fully equipped for cognitive neuroscience research, with a Siemens TIM-Trio 3 T system, a 151-channel CTF MEG and several EEG systems.

The Rotman Research Institute welcomes applications from all qualified individuals, including members of visible groups, minorities, women, aboriginal persons, and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For more information on the institute, see [https://www.baycrest.org/Baycrest/Research-Innovation/About-Us/Rotman-Research-Institute](https://www.baycrest.org/Baycrest/Research-Innovation/About-Us/Rotman-Research-Institute).