

Research Assistant – Software Developer/Application Specialist
MEG Unit - McConnell Brain Imaging Centre, Montreal Neurological Institute,
McGill University (Montreal, Canada)



The MEG Unit at the McConnell Brain Imaging Centre at the MNI (McGill University) is looking to fill the position of a full-time Research Assistant. The position is available immediately and represents a great opportunity for a candidate to work in an outstanding scientific environment, where computational techniques meet electrophysiology, imaging physics, biophysical modelling and neuroscience.

The successful candidate will become a key core research staff member of the McConnell BIC. The Centre is a multidisciplinary hub for a broad community of basic science and clinical investigators and trainees, long recognized as an international leader in neuroimaging domains (MRI, PET, MEG/EEG) and analytical techniques. Visit the BIC's website for further information: <http://mcgill.ca/bic>.

The mission consists specifically in the implementation and documentation of scientific methods and algorithms for advanced analysis and visualization of functional brain imaging data (for MEG, EEG, MRI, electrophysiology, NIRS) in the Brainstorm environment. The candidate's role will be that of a code developer and application specialist of Brainstorm. Brainstorm is an open-source application dedicated to brain imaging with EEG, MEG, and other electrophysiology techniques (<http://neuroimage.usc.edu/brainstorm>). So far, Brainstorm has registered 13,500 downloads and >400 research journal articles refer to the application for data analysis. Another important mission consists in participating/organising the support and training of the user community through the Brainstorm online forum (user forum), and the organisation of training workshops delivered at academic institutions and international conferences (2 to 3 per year). A key development focus will concern the interoperability of Brainstorm with large databases and computing clusters. The successful candidate will participate in research and project meetings at the MEG Unit and BIC, and interact with the greatest diversity of backgrounds from students, postdocs, and research staff.

Applicants should have a MSc in Computer Science or Electrical/Software Engineering or equivalent, with ideally 2 years post-graduate experience. Strong, proven programming experience with Matlab, Java and/or Python is required. Candidates with the strongest motivation to work and make a difference in a collaborative and multidisciplinary environment will be preferred.

Salary range: \$60,000 - \$75,000 + benefits, commensurate to experience.

Interested candidates shall send their CV + references to Prof Sylvain Baillet (sylvain.baillet@mcgill.ca) – Review of applications received starts: June 30, 2016.

