

Research Assistant – Data Resources
McConnell Brain Imaging Centre, Montreal Neurological Institute
McGill University (Montreal, Canada)



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 Centre is currently seeking a motivated expert in data organization, curation, and databasing to work in an outstanding scientific environment.

Major Duties and Responsibilities:

- Responsible for the design, deployment and management of solutions for multimodal data organization and curation at the BIC, and for its user community.
- Work with and understand each core Unit specific environment and operational constraints on a vast diversity of research projects: from the optimization of data archiving and retrieval of specific studies in cognitive and clinical neuroscience, to large-scale organization of data volumes across multiple studies for high-performance computing analyses and sharing initiatives with the scientific community.
- Work directly with the BIC IT core staff and interact with partners in charge of developing the informatics solution for the MNI's open-science projects.
- Ensure best practices and the respect of research ethics with regards to data de-identification and security.
- Manage the expectations of users, design and manage the infrastructure for support (documentation, user forum, training events).

Applicants should have a M.Sc. in Computer Science or M.Eng. in Software Engineering or related major, with ideally 2 years post-graduate experience. Strong proven experience with Python, Javascript, Java, SQL and Unix scripting are required. Web development experience with Angular Js and Django or equivalent would be strong assets. Interest in open-science practices will also be an asset. 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.