



McConnell Brain Imaging Centre  
Montreal Neurological Institute  
McGill University  
3801 University St.  
Montreal QC, Canada H3A 2B4



**Job Title:**

LORIS Imaging Specialist

**Job Code:**

LIS1708

**Application Deadline:**

Open

**Location:**

McGill University, Montreal Neurological Institute (MNI)  
McGill Centre for Integrative Neuroscience (MCIN)  
Montreal, Quebec, Canada.

**Organization:**

The McGill Centre for Integrative Neuroscience (MCIN) is a multidisciplinary group which supports numerous collaborations and provides neuroinformatics software infrastructure, tools and services to a broad, international neuroscience community. MCIN's neuroinformatics platforms, developed and supported in-house, allow a community of hundreds of scientists around the world to organize and analyze data through collaborative tools and remote computing resources.

For more information please visit <http://www.mcin.ca>

The LORIS team within the MCIN group specializes in the development and support of the LORIS Neuroinformatics Platform.

**Job Description:**

This person will be responsible for providing neuroimaging and image processing expertise to the LORIS team. He/she will serve as a consultant providing scientific advice and guidance to the team. The imaging specialist may participate in protocol development and contribute to the LORIS platform by contributing to the LORIS and LORIS-MRI codebases.

Over the duration of the contract this person will perform anonymization and quality control across large multi-site neuroimaging datasets and will play an active role in reporting and documenting results. He/she will also analyze and perform image pre-processing tasks integral to dataset validation

and publication such as anonymization, distortion correction, intensity non-uniformity correction and stereotaxic registration.

This person will work closely with the team to implement image processing pipelines or data manipulation scripts, and when necessary will develop custom image processing tools and pipelines for integration in LORIS and related tools.

The imaging specialist will also participate in meetings and conferences, and contribute to the publication of academic papers.

For more information, please visit [LORIS.ca](http://LORIS.ca) and <https://github.com/aces/Loris>.

### **Requirements:**

- Graduate degree in computer science, neuroscience, or a related field
- Experience with Unix/Linux operating systems and shell commands
- Experience with image processing for neuroimaging such as automated brain registration
- Experience with MNI imaging processing tools and the MINC toolkit is an asset
- Experience of DICOM standards is an asset
- Experience with or the desire to learn software development best practices
- Excellent communication skills, team oriented
- Good organizational skills and the ability to learn quickly

**Starting hourly rate:** \$25 - \$30/hour

### **How to apply:**

Please send cover letter and CV to ([careers@mcin.ca](mailto:careers@mcin.ca)). Please specify the job code (LIS1709) in the email subject line. Must be eligible to work in Canada. Direct hire only. Please, no agencies, no phone, no fax and no other inquiries. This position is based in Montreal, please no inquiries for remote work. McGill University is an equal opportunity employer. These are temporary positions with the possibility of full-time/full-benefits employment, due to start as soon as the qualified candidate is selected. The full-time/full-benefits positions include all the standard benefits that the university offers to the M-term employees. We thank all applicants for their interest and wish to advise that only those selected for an interview will be acknowledged.