



Reference #: C-190805/2

## **Assistant/Associate Professor (Research)**

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Faculty of Medicine – Department of Anesthesia/McGill University Health Centre (MUHC)

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### **Position description**

The Department of Anesthesia of McGill University and the Research Institute of the McGill University Health Centre (RI-MUHC) BRAIN Program invite applications for a new position in Neuroimaging of brain injury, recovery, and brain injury-associated disorders. The successful applicant will hold a full-time academic appointment at the rank of Assistant or Associate Professor (Research), as a member of the Contract Academic Staff. The professorial rank will be according to the candidate's qualifications and experience.

The Montreal General Hospital is home to a new, state-of-the-art imaging facility featuring a research-dedicated 3T MRI facility, with MR-compatible brain stimulation and electrophysiology equipment, as well as high-fidelity visual and auditory stimulation rigs. The facility will also soon receive a unique ultra-high-performance head gradient coil and dense receiver coils for sub-millimeter functional neuroimaging, as well as a field-cycling insert with potential applications in spectroscopy and inflammation imaging. The new platform is strategically located next to one of the busiest Level 1 trauma centres in the country and has received funding to empower cutting-edge studies on the effects of injury on the brain.

The successful candidate will integrate with this strategic priority and utilize their background and expertise in neuroimaging of injury-related disorders to extend our understanding of the effects of brain injury (including strokes) and mechanisms of recovery (including neuroplasticity). In this context, the candidate will integrate into the MUHC Traumatic Brain Injury (TBI) Program.

The McGill Department of Anesthesia employs a number of world-renowned pain researchers and runs a Pain Clinic located at the Montreal General Hospital providing unique opportunities for research and advanced training.

The MUHC TBI Program consists of over a dozen clinicians as well as part- and full-time researchers that provide diagnostic and treatment services to acute and chronic TBI patients. The group carries out clinical, translational, and fundamental studies on the effects of brain injury and recovery mechanisms after injury, utilizing diverse tools such as multivariate statistics, neuroimaging, electrophysiology, and neuropsychological and behavioral measures.

The RI-MUHC is a world-renowned biomedical and hospital research centre. Located in the vibrant and multicultural city of Montreal, in the province of Quebec, the Institute is the research arm of the MUHC affiliated with the Faculty of Medicine at McGill University. It offers a dynamic, multidisciplinary

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research environment that fosters investigator-initiated and discovery-driven research. It is aimed at creating new knowledge in healthcare research along the whole spectrum of investigative activities by improving the health of individual patients across their lifespan. This involves fundamental biomedical research, patient-oriented and applied clinical research, research on health services, health systems, and population and health promotion research, including societal and cultural effects on health. Additional information may be found online at [www.rimuhc.ca](http://www.rimuhc.ca).

## **Job Duties**

The successful applicant will be expected to:

- Develop an independent, innovative fundamental research program in their areas of expertise within the context of the effects of neuroimaging of injury and/or recovery and injury-associated disorders.
- Actively train and support a diverse group of graduate students at the MSc and PhD levels as well as postdoctoral fellows.
- Disseminate research findings through peer-reviewed publications, reports, public outreach, and other knowledge translation and exchange activities.
- Be actively involved in all aspects of McGill's academic mission, and demonstrate strong commitment to equity, diversity, and inclusion in all areas (research, teaching, supervision of graduate students, and involvement in academic and administrative committees).

## **Qualifications and Education requirements**

- Ph.D. degree in Neurosciences, Psychology, Physiology, or related fields;
- Demonstrated expertise in neuroimaging of traumatic brain injury, using EEG, fMRI or MRI;
- A minimum of 1 year postdoctoral training or comparable research experience and an outstanding scientific track record.

Individuals with a neuroimaging research program that includes bioinformatics and/or computational modelling are strongly encouraged to apply.

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## **JOB DETAILS**

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*Job Type:* Contract Academic Staff

*Rank:* Assistant/Associate Professor

*Job status:* Full-time

*Salary:* Salary will be commensurate with qualifications and experience

*Duration:* Three (3) years – renewable

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*Posting period:* Please submit your application within 30 days of the publication date of this advertisement.

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## APPLICATION PROCESS

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Applications must be submitted on-line at: <http://www.mcgill.ca/medicine-academic/positionsavailable>

The following supporting documents are required:

- a cover letter & curriculum vitae (as 1 pdf document)
- statement of research (if including other documents, combine to make 1 pdf)
- the names and contact information of three referees

*McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.*

*At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.*

*McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate's record.*

*McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through [accommodation policies and procedures](#). Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, this [email](#) or phone at 514-398-2477.*

*All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.*

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