**Position Title:** Research Associate  

**Hiring Unit:** McConnell Brain Imaging Center  

**Supervisor:** Julien Doyon  

**Work Location:** Montreal Neurological Institute (MNI) – Brain Imaging Center  

**Hours/Week & Schedule:** 35 hours – Monday - Friday  

**Hourly Wage:** $28.44 - $40.20 (salary commensurate with experience)  

**Planned Start Date & End Date:** September 1st 2020  

**Date of Posting:** August 18, 2020  

**Deadline to Apply:** August 25, 2020  

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**PRIMARY DUTIES**

We are looking for a highly-motivated and experienced candidate to work on collaborative research projects in the laboratory of Prof. Julien Doyon at the Montreal Neurological Institute (The Neuro). Her/his work will be focused on studying sleep-dependent consolidation of memories in healthy and clinical populations, including healthy young subjects, elderly and Parkinson’s disease patients.

She/he will contribute to planning innovative multimodal imaging studies (EEG, fMRI), supervise data collection, and develop and implement pipelines for multimodal data analysis collected during various physiological states (i.e., resting state, task and sleep). Working in a highly collaborative environment, she/he will also be responsible for organizing meetings and coordinating between teams to effectively promote the multidisciplinary aspects of the research projects. The research activities will also include writing manuscripts, contributing to research grants and peer-reviews, and providing support and supervision of research assistants and graduate trainees.

The candidate will have access to the neuroimaging facilities of the McConnell Brain Imaging Center and the sleep laboratory located at the “Institut universitaire de gériatrie de Montréal” and soon at The Neuro. She/he will also benefit from working in the exceptionally rich research environment of the Neuro with a plethora of opportunities to be up-to-date with the latest developments in the field and to develop new collaborations.

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**EDUCATION/EXPERIENCE**

Applicants must have a PhD in Neuroscience, Cognitive Neuroscience, or a related field with a minimum of 5 years of research experience, relevant postdoctoral or equivalent experience and an excellent record of publications in internationally recognized journals. This candidate must also have expertise in cognitive theories of learning and memory as well as extensive experience in using neuroimaging to study memory-related processes in humans.

Previous experience with acquisition and analysis of neuroimaging data in humans is essential, and expertise in simultaneous fMRI/EEG recordings is an asset. A solid knowledge of advanced statistics, signal processing and univariate/multivariate techniques is also expected. An ideal applicant should also have programming skills and be able to work independently in Matlab and or Python environment.

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**OTHER QUALIFYING SKILLS & ABILITIES**

- Excellent written and verbal communication skills in English are essential.
- Ability to work in a collaborative and multidisciplinary environment.
- Strong organization skills, attention to detail and priority setting skills.
- Ability to work autonomously in a complex, changing, deadline-oriented environment.

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**HOW TO APPLY**

Please submit your CV and a list of references to:  
Dr. Julien Doyon at Julien.doyon@mcgill.ca

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*McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.*