

Posting RESEARCH ASSOCIATE	
Position Title:	Research Associate
Hiring Unit:	McConnell Brain Imaging Centre
Supervisor:	Alain Dagher
Work Location:	Montreal Neurological Institute (MNI)
Hours/Week & Schedule:	40 hours/Week – Monday to Friday
Hourly Wage:	\$27.18
Planned Start Date & End Date:	1 April 2020 – 31 March 2021 (possibility of renewal)
Date of Posting: (post for 5 working days minimum)	23 March 2020
Deadline to Apply:	27 March 2020
PRIMARY DUTIES	
<p>The candidate will work independently on brain imaging research projects in the laboratory of Dr. Alain Dagher at the MNI. His/her work will be focused on investigating, analyzing and modelling structural and functional brain imaging measures in controls, patients with Parkinson's Disease (PD) and patients with Alzheimer's disease (AD) using multiple measurement techniques, and clinical data. Will develop and establish a local expertise in multimodal neuroimaging analyses.</p> <p>He/she will work with collaborative teams on the multidisciplinary aspects of the research projects and will further analyze the data, write drafts of manuscripts, and contribute to the writing of grants. The candidate will also participate in the supervision of graduate students and summer trainees, if required.</p>	
EDUCATION/EXPERIENCE	
<p>Applicants should have a PhD in a Computer Science, Neuroscience or Biomedical Engineering, preferably with a focus on neurology or psychiatry with five (5) years relevant postdoctoral experience and an excellent record of publications in internationally recognized journals. Previous experience of brain MRI research is essential. Applicants should be:</p> <ul style="list-style-type: none"> • Experts in neuroscience: structural and functional MRI analysis, brain diseases, TMS, brain anatomy and connectivity, neuroimaging experimental design. • Advanced in: use of brain imaging software (SPM, FSL, ANTs, minctools), math/stats multivariate techniques such as PCA, ICA, PLS. • Advanced in use of Matlab or Python languages. 	
OTHER QUALIFYING SKILLS & ABILITIES	
<ul style="list-style-type: none"> • Excellent written and verbal communication skills (English essential, French an asset). • Ability to guide graduate students and summer trainees. • Ability to work in a multidisciplinary team environment. • Strong organization skills, attention to detail and priority setting skills. • Ability to work autonomously in a complex, changing, deadline-oriented environment. • Intimate familiarity with MINC-tools. • Advanced knowledge of MRI acquisition and analysis techniques. • Good knowledge of the neurobiology of neurodegenerative diseases. • Knowledge of good research/clinical practice. • A strong neuroimaging publication record. 	
HOW TO APPLY	
<p>Please submit your CV and a list of references to: Alain.Dagher@mcgill.ca</p> <p>We thank all applicants for their interest; however, only applicants selected for an interview will be contacted</p>	
<p><i>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.</i></p> <p><i>All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.</i></p>	