Centre intégré universitaire de santé et de services sociaux du Nord-de-l'Île-de-Montréal
Québec

Postdoctoral Fellow – Drs. Julie CARRIER's and Julien DOYON's Laboratory

Drs. Julien Doyon and Julie Carrier are seeking to hire a Postdoctoral Associate who will work on a behavioral, electrophysiologic and neuroimaging project that is part of the Healthy Brains for Healthy Lives (HBHL) McGill interdisciplinary initiative. The overall goal of the HBHL program is to improve the lives of Canadians by advancing understanding of how the brain functions in health and disease. As part of this initiative, we will conduct a series of studies using behavioral testing, neuroimaging and noninvasive brain stimulation techniques to develop ways to enhance memory in healthy adults, as well as to remediate memory functions in neurological patients.

We are looking to hire a Postdoctoral Associate who will oversee data collection and analyses pertaining to these studies and be actively involved in manuscript writing. The candidate will be responsible for the development and fine-tuning of the experimental design to evaluate the functional consequences of various experimental manipulations based upon observations and collected data during pilot studies. The incumbent will carry out analysis of both behavioral, electrophysiologic and neuroimaging data independently with minimal supervision, and will actively participate in the design and execution of further studies towards the set goals. The candidate is expected to provide a substantial contribution at the conceptual level and take the lead in manuscript writing.

The ideal applicant will have a PhD in neuroscience or a related discipline, with experience in conducting behavioral and neuroimaging research using behavioral tasks, electroencephalography (EEG) and functional magnetic resonance imaging (fMRI) in humans. We seek a candidate with a proven record of scientific publications in internationally recognized journals. **Knowledge and experience with EEG (data acquisition and analysis) is mandatory for this position.** Candidates who, in addition to EEG, have knowledge and experience with fMRI software (e.g. SPM, FSL, etc.), as well as basic proficiency in a programming language such as Matlab, Python, etc. will be given priority.

Strong communication skills are required (fluency in both English and French is preferred), as well as a high proficiency in English scientific writing. In addition to these professional skills and qualifications, the ideal applicant will have personal qualities that will foster a stimulating work environment in the laboratory, such as excellent social skills and work ethics.

To apply for this position, please send a motivation letter, your CV along with a list of 3 character references to Julie Carrier to the following address: julie.carrier.1@umontreal.ca.

HEALTHY BRAINS FOR HEALTHY LIVES