

Posting - REVISED RESEARCH ASSISTANT	
Position Title:	Research Assistant
Hiring Unit: –	McGill Centre for Integrative Neuroscience (MCIN) - Montreal Neurological Institute
Supervisor:	Dr. Alan Evans
Work Location:	3801 University, Montreal Neurological Institute
Hours/Week & Schedule:	35 hours/week; 9:00 – 5:00 – Monday to Friday
Hourly Wage: -REVISED	\$24.25 per hour (commensurate with experience)
Planned Start Date & End Date:	ASAP – 3 year (renewable)
Date of Posting: (post for 5 working days minimum)	June 1, 2018
Deadline to Apply:	June 8, 2018
PRIMARY DUTIES	
<p>The Research Assistant will assist in building an analytic environment to acquire, process and integrate data from EEG, MEG, NIRS, fMRI, DTI and MRI in a common framework. The candidate will be principally responsible for the design, development and fine tuning of the EEG and MEG quantitative analysis methods and toolbox. Will carry out analysis of the platform and the data. She/he will actively participate in the design and execution of further studies towards the set goal. Will be expected to develop methods and algorithms to perform: EEG quantitative analysis; EEG neuroimaging (i.e., EEG Inverse Problem); EEG norms construction; Measurements for brain connectivity, either based in instantaneous or lagged direct and directed measurements of influences; data mining and analysis; statistical methods for massive problems; variable classification problem, or biomarkers selection and neuro-informatics. The incumbent is expected to design and execute experiments and analyze data independently with minimal supervision. She/he will analyze and prepare the data in final forms for presentation. She/he will also be required to prepare text and figures for manuscripts. She/he will thus be a contributing author to the resulting publications.</p>	
EDUCATION/EXPERIENCE	
<p>Minimum of M.Sc. degree in Neuroscience or Biomedical Engineering with a strong background in Computer Sciences, Mathematics or Physics.</p>	
OTHER QUALIFYING SKILLS & ABILITIES	
<ul style="list-style-type: none"> • Experience in programming EEG quantitative analysis; EEG inverse problem; statistical methods for high-dimensional problems; brain connectivity; variable classification problem; • Data analysis; database programming; • Experience in Matlab programming; • Mathematical modeling and programming of brain electrical signals; • Evidence of contributions to successful publishing of research data. 	
HOW TO APPLY	
<p><i>Please submit your application (Cover Letter and CV) to: Dr Alan Evans and send c/o:</i> terry.kaluta@mcgill.ca</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>	