Posting
RESEARCH ASSISANT

Position Title:	Research Assistant – The Neuro's Early Drug Discovery Unit
Hiring Unit:	Neurodegenerative Disorders, Montreal Neurological Institute (MNI)
Supervisor:	Dr. Thomas Durcan
Work Location:	MNI – Room NWB150
Hours/Week & Schedule:	35 hours/week – Monday to Friday
Hourly Wage:	$28.44/hour (salary commensurate with experience)
Planned Start Date & End Date:	6 month renewable – July 1, 2020 to December 31, 2020
Date of Posting: (post for 5 working days minimum)	June 2nd 2020
Deadline to Apply:	June 15th, 2020

PRIMARY DUTIES

The candidate selected will work in the Neuro's Early Drug Discovery Unit under the supervision of Dr. Thomas Durcan focused on neuronal organoid and image analysis projects. Will be responsible for generating and characterizing neuronal organoid models derived from patient-derived induced pluripotent stem cells (iPSCs) as part of these projects. Tasks for these projects will include maintaining panels of iPSCs, following in house methods to generate 3D neuronal organoids across multiple projects, organoid fixations perfusions, tissue clearing, organoid staining, image acquisition and processing. Additional duties will include developing new software packages with support from other team members for analysis of the image datasets from the organoid sections and the intact 3D organoid, obtained through both confocal and light sheet microscopy.

The selected candidate will also assist with other organizational tasks within the lab, including overseeing inventories of cells and reagents needed for the different projects, for working with different members of the team in coordinating regular meetings. The selected candidate will also collect and interpret results from these research experiments that will be included in future publications. Along with these duties, will also be responsible for preparing reports and updating laboratory procedures on a regular basis, along with other related duties as assigned.

EDUCATION/EXPERIENCE

MSc with expertise in image analysis, acquisition and computer programming

OTHER QUALIFYING SKILLS & ABILITIES

- Preference for candidates who are familiar with Python and Matlab
- Experience with imaging and analysis of neuronal tissue
- Effective communication and interpersonal skills
- Excellent organizational skills

HOW TO APPLY

Please submit your application to: Dr. Thomas Durcan

Submit a cover letter and CV to thomas.durcan@mcgill.ca

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.