Posting
RESEARCH ASSISTANT

Position Title: Research Assistant (High Content Platform)

Hiring Unit: Neurodegenerative Disorders, Montreal Neurological Institute (MNI)

Supervisor: Dr. Thomas Durcan

Work Location: MNI – Room MP-044

Hours/Week & Schedule: 40 hours/week – Monday to Friday

Hourly Wage: $27.32 - $29.22

Planned Start Date & End Date: One year renewable

Date of Posting: May 12, 2017

Deadline to Apply: May 31, 2017

PRIMARY DUTIES
Responsible for adapting disease-relevant assays developed with neurons from induced pluripotent stem cell (iPSCs) onto a High Content Analysis platform for the screening of small molecules on a number of drug discovery projects focused on neurodegenerative disorders.

Specific duties include:
- Assist in the development and implementation of these high-content assays and co-ordinate the screening and analysis of findings that come from these assays.
- Assist to develop assays with iPSC-derived neurons for medium throughput high content screens utilizing robotic equipment.
- Work with other members of the team in helping to complete the analysis of screening data including establishing parameters for hit selection.
- Maintain iPSCs and work on generating neurons from iPSCs for different projects.
- Assist in developing Standard Operating Protocols (SOPs) to industry-standard for deriving a wide range of neurons
- Prepare reports and technical presentations for external scientific groups
- Review and update laboratory procedures as required.
- Assist with the maintenance, calibration, and qualification of all laboratory instruments and equipment.
- Other related duties as assigned.

EDUCATION/EXPERIENCE

MSc in the field of biological sciences.

OTHER QUALIFYING SKILLS & ABILITIES
Experience knowledge of high content analysis and experience working with primary neurons and/or iPSC-derived neurons is an asset. Excellent communication skills (English), working knowledge of Microsoft office products, and possess a willingness to learn novel techniques and concepts based on the needs of each project required. The ideal candidate is required to have excellent communication skills in English.

HOW TO APPLY
Please submit your application to:
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.