**Position Title:** Junior Technician

**Role:** To offer research support related to the study of stem cell and animal models of neurodegenerative disease in the laboratory of Dr. Scott Ryan, Assistant Professor in the Department of Molecular and Cellular Biology at the University of Guelph.

**Term:** Full time, $15/hr minimum, commensurate with experience. Start date negotiable.

.

**Project Overview:** Parkinson disease (PD) is the second most prevalent neurodegenerative disease worldwide and the most common human movement disorder, affecting over 100 000 Canadians. Characterized by a progressive decline in voluntary movement, motor function eventually dissipates and patients lose the ability to both move and speak. Utilizing a novel stem cell model of PD and toxin evoked animal models; this project will assess PD pathology using high-resolution live cell imaging coupled with biochemical analysis of patient- and mouse-derived neurons. Our goal is to establish a drug-screening platform that will identify new therapeutics able to protect and regenerate lost tissue in PD.

**Research Tasks:**

* Culture and maintenance of embryonic and induced pluripotent stem cells (hESCs/hiPSCs) as well as primary neuronal cultures and SHY5Y neuroblastoma cells
* Maintaining mouse colonies
* Providing technical training support to junior team members in areas related to biochemistry and molecular biology (eg. qPCR/Luciferase/ChIP/Western Blot/IP/IF)

**Qualifications**

* College Graduate
* Highly organized and detailed oriented
* Effective time management
* Excellent oral and written English language abilities

**Asset Skills**

* Some laboratory experience

**How to Apply**: Applications, including: cover letter, CV and the names of two professional/academic references (with contact details) should be sent to: [sryan03@uoguelph.ca](mailto:sryan03@uoguelph.ca). Applications will be accepted until a suitable candidate is found.

*The University of Guelph is committed to equity in its policies, practices, and programs, supports diversity in its teaching, learning and work environments, and ensures that applications for members of underrepresented groups are seriously considered under its employment equity policy. All qualified individuals who would contribute to the further diversification of our University community are encouraged to apply.*