

Research Technician

The Sunnybrook Research Institute (<https://sunnybrook.ca/research/>, fully affiliated with the University of Toronto) has an opening for a Research Technician for one year, with an option to renew, in the laboratory of Dr. Robert Sreaton. The successful candidate will have a MSc degree and experience in an islet biology lab setting.

Sreaton Lab

The lab focuses on the two areas: the regeneration of human pancreatic beta cells, and the role of mitochondria in beta cell function. We use high throughput, robotic-enabled RNAi screens to identify novel targets that affect beta cell function and proliferation and use animal models to understand their role *in vivo*. Detailed information about the lab can be found here <http://sreatonlab.ca> and here [GPR3 paper](#).

Position main responsibilities

- maintaining lab stocks and ordering
- islet biology techniques: isolation, dissociation, insulin secretion assays
- molecular biology techniques (cloning, PCR, qPCR, DNA and RNA extractions)
- tissue culture
- generating lentivirus for high throughput screens
- Seahorse assays (mitochondrial functional assays)
- mitochondrial purification
- Immunohistochemistry/Immunofluorescence techniques
- western blotting
- assisting with generating budgets for grant applications
- kinase assays

Qualifications

- ability to work both independently and as part of a team
- maintain lab equipment and organize repairs when needed
- detail oriented and organized

Application Procedure

Qualified candidates are invited to submit a cover letter and CV to Dr. Robert Sreaton at robert.sreaton@sri.utoronto.ca (with "Research Technician" in the subject line).

We thank all applicants for their interest but only candidates selected for an interview will be contacted. This position will remain open until a suitable candidate is found.

Sunnybrook Research Institute is committed to providing accessible employment practices that are in compliance with the Accessibility for Ontarians with Disabilities Act (AODA). If

you require accommodation for disability during any stage of the recruitment process, please indicate this in your cover letter.

Sunnybrook Research Institute is strongly committed to inclusion and diversity within its community and welcomes all applicants including but not limited to: visible minorities, all religions and ethnicities, persons with disabilities, LGBTQ persons, and all others who may contribute to the further diversification of ideas.

Please be advised that in order to be eligible for employment at Sunnybrook, all new hires must have received the full series of a COVID-19 vaccine or combination of COVID-19 vaccines approved by Health Canada (e.g., two doses of a two-dose vaccine series, or one dose of a single-dose vaccine series); **AND** have received the final dose of the COVID-19 vaccine at least 14 days ago. Medical exemptions or any other kind of requested exemption based upon the Hospital's obligations pursuant to the Ontario Human Rights Code will be considered on a case-by-case basis.