

## Research Associate for Microfluidics and Electrochemistry

Department of Electrical and Computer Engineering

Posted from March 16<sup>th</sup> to March 30<sup>th</sup> 2023

**Area of Research:** The Shih lab is looking for an enthusiastic research associate to join our collaborative project that combines microfluidics, electrochemistry, and aptamer-based synthetic biology. For more information, please go to [shihmicrolab.ca](http://shihmicrolab.ca).

**Required qualifications:** Candidates must have a PhD in engineering, chemistry, or related disciplines. Strong written and oral English communication skills are required. Experience working in teams is strongly desired. Expertise in one or more areas aptamer design, microfluidics, or electrochemistry is strongly desired.

**Description of duties:** The applicant who is joining this project will help to develop new microfluidic platforms integrated with electrochemical aptamer-based sensing for specific applications. This applicant has a PhD in bioengineering, chemistry or a related discipline. Experience with developing biosensors is a plus. The applicant should be willing to learn microfluidics or any other area, if it is missing. There is also a component of training, specifically training graduate students in the laboratory.

**Salary:** \$60,000 per year

**Time:** Full-time; 40 hours per week

**Application instructions:** Please apply by sending your resume, a cover letter, and contact information with at least three references to [steve.shih@concordia.ca](mailto:steve.shih@concordia.ca) by **March 30th 2023** or until the position is filled. *Concordia University and the Shih lab is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.*

**Closing date:** Review of applications will commence as applications are submitted and will continue until the position is filled. All applicants who apply will be advised by email of the outcome of their application within 10 days of the acceptance of the position by the successful applicant.

**Supervisor:** Professor Steve Shih

**Expected start date:** May 1<sup>st</sup> 2023 – April 30<sup>th</sup> 2024; Initial appointment is for one year at first, with possible renewal upon mutual agreement and funding availability. This position is part of the Public Service Alliance of Canada (PSAC) /Concordia Association of Research Employees (Research associates, Research assistants, professionals and technicians)

### Territorial Acknowledgement

Concordia University is located on unceded Indigenous lands. The Kanien'kehá:ka Nation is recognized as the custodians of the lands and waters on which we gather today. Tiohtiá:ke/Montreal is historically known as a gathering place for many First Nations. Today, it is home to a diverse population of Indigenous and other peoples. We respect the continued connections with the past, present and future in our ongoing relationships with Indigenous and other peoples within the Montreal community.