

DEPARTMENT OF CHEMISTRY
Faculty of Arts and Science
University of Toronto

JOB POSTING – POSTDOCTORAL FELLOW

Area of Research: Is building/using electronic circuits your passion? Are you a microfluidics enthusiast or expert? Our team is developing new technologies in this area, and we are searching for a new postdoc to join us in this project.

Description of duties: If you accept this position, you will join our multidisciplinary team (including partners and sponsors in government, academia, and industry) to develop impedance tools for our microfluidic platforms. Upon commencement, you will be involved in designing and implementing experiments, building microfluidic devices and instrumentation, collecting results, training students and other lab members, as well as writing manuscripts and grant applications.

Salary: \$45,000 – \$55,000 CDN (commensurate with the level of experience)

Required qualifications: To apply, you must have a Ph.D. (granted in the last 5 years) in chemistry, engineering, physics, or a related discipline, as well as experience with microfluidics methods. Strong written and oral English communication skills are required as is experience working in teams.

Desired qualifications: Experience with digital microfluidics, computer programming, electrical circuit design, electrochemical impedance spectroscopy, other impedance sensing techniques, and data analysis is relevant to this posting. If you have this experience, please feature it in your cover letter.

Application instructions: If interested in this position, please submit a cover letter, CV, and names of three individuals who will be willing to provide letters of reference (reference letters are not required at this stage but will be requested for those selected to be interviewed). Make sure to include your research background, research interests, long-term career goals, and your fit with the focus of this call in your cover letter. Your CV should include your education, publications, awards, conference abstracts, and research experience. Send these documents to Lisa Nguyen by email at lisaduong.nguyen@utoronto.ca.

Closing date: Review of applications will commence on March 30, 2022 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 positions by the successful applicants.

Supervisor: Professor Aaron Wheeler (see <https://microfluidics.utoronto.ca/> for details about the group)

Expected start date: May 1, 2022 (this date is flexible based on the selected candidates' availability)

Term: Initial appointment is for one year, with possible renewal for another 1-2 years upon mutual agreement and funding availability.

FTE: 100%. The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement.

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The University of Toronto 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.