Postdoctoral Research Associate
Department: Chemistry and Biology
Position supervisor: Darius Rackus, Ph.D.
Contract length: 1 year
Start date: As soon as possible, but no later than 1 June 2024
Hours of work per week: 36.25
Position type: Postdoctoral Fellow
Rate of pay: $55,000-$67,000/year + benefits

Description
The Miniaturization in Bioanalysis Laboratory at Toronto Metropolitan University seeks a postdoctoral fellow to develop point-of-care diagnostic tools for applications in clinical ophthalmology. This exciting opportunity focuses on technology development and translation and will interface the candidate with clinicians, a start-up company, and research contractors. As such, strong communication skills, an entrepreneurial attitude, and ability to work in a fast-paced environments are desirable.

Tasks will include screening assays, optimizing assay protocols, conducting technology assessments, performing literature reviews, summarizing and reporting results, supporting research contractors in setting up test rigs, and assisting in the drafting of patent applications, manuscripts, and grants. Participation in weekly research meetings, individual meetings, a team meetings is expected.

Qualifications
The ideal candidate should have recently obtained (last 3-5 years) a PhD in chemistry, biology, biochemistry, biomedical engineering or related discipline and have demonstrated experience in assay development. Experience with one or more of fluorescence, absorbance, electronic, electrochemical or chemiluminescent detection modalities is necessary.

About the Miniaturization in Bioanalysis Laboratory & Toronto Metropolitan University
Our mission in the Miniaturization in Bioanalysis Laboratory is to develop tools for human health based on microfluidics and lab-on-a-chip technologies. We are located in the Institute for Biomedical Engineering, Science & Technology (iBEST), a partnership between TMU and Unity Health Toronto (St. Michael's Hospital). Our interdisciplinary research program spans microfluidics, electrochemistry, and biomedicine. As an interdisciplinary team tackling real-world problems, our membership includes chemists, biologist, and engineers.

At the intersection of mind and action, Toronto Metropolitan University is on a transformative path to become Canada's leading comprehensive innovation university. Integral to this path is the placement of equity, diversity and inclusion as fundamental to our institutional culture. Our current academic plan outlines each as core values and we work to embed them in all that we do.
Toronto Metropolitan University welcomes those who have demonstrated a commitment to upholding the values of equity, diversity, and inclusion and will assist us to expand our capacity

for diversity in the broadest sense. In addition, to correct the conditions of disadvantage in employment in Canada, we encourage applications from members of groups that have been historically disadvantaged and marginalized, including First Nations, Metis and Inuit peoples, Indigenous peoples of North America, racialized persons, persons with disabilities, and those who identify as women and/or 2SLGBTQ+. Please note that all qualified candidates are encouraged to apply; however, applications from Canadians and permanent residents will be given priority.
As an employer, we are working towards a people first culture and are proud to have been selected as one of Canada's Best Diversity Employers and a Greater Toronto's Top Employer for 2015, 2016, 2017 and 2018. To learn more about our work environment, colleagues, leaders, students and innovative educational environment, visit www.torontomu.ca, check out @TorontoMet (external link) , @TorontoMetHR (external link) and @ECItorontomet (external link) on Twitter, and visit our LinkedIn company page (external link) .

How to apply
Applications will be reviewed on a rolling basis. Interested applicants should complete the linked form and upload the following documents.

- A cover letter outlining your research interests
- A curriculum vitae
- Contact information for two academic or industrial references