Donnelly Centre
Cellular & Biomolecular Research
UNIVERSITY OF TORONTO

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Hannes L. Röst
Assistant Professor
Department of Molecular Genetics
University of Toronto

Postdoctoral Fellow Position – Computational Mass Spectrometry

We are seeking applications from motivated candidates for a postdoctoral position at the Donnelly Centre for Cellular and Biomolecular Research at the University of Toronto School of Medicine. The successful candidate will carry out bioinformatics research applying mass spectrometry for quantitative analysis in personalized medicine.

The appointee will work directly under the supervision of the PI, Dr. Hannes Röst, and conduct experiments using a state-of-the-art mass spectrometric instrument and write software and algorithms for data analysis. Several projects with preliminary data are available, depending on the candidate's interest and previous experience.

The Röst lab is interested in understanding biology on a personalized level and to use next-generation mass spectrometry to analyze proteomic and metabolomic data in high-throughput. The main focus of the lab is in peptide and small molecule quantification using next-generation approaches, including data-independent acquisition (DIA or SWATH-MS) and developing novel tools and workflows to be used in the community. We apply these tools to address questions in systems biology and personalized medicine.

Qualifications:
- PhD in biology, bioinformatics, computer science or a related field.
- Ability to work independently and collaboratively.
- Programming skills or willingness to learn.
- Effective oral and written communication skills.

The University of Toronto is a vibrant environment providing opportunities to interact and collaborate with research groups across disciplines, which is instrumental in preparing the postdoc for an academic career. Toronto is the 4th largest city in North America and is one of the most liveable cities in the world.

To apply, please send your CV and a cover letter outlining your previous research, future aspirations, and how they integrate with lab's interests. Please provide contact information for three references.

Apply to:

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