



Postdoctoral Fellow Position in Microfluidics & Immuno-peptidomics

We are seeking applications from highly motivated candidates for a postdoctoral position in Biochemistry and Biomedical Engineering. The successful candidate will be a member of Etienne Caron's laboratory at the CHU Sainte Justine (CHUSJ) Research Center at the University of Montreal and will work in close collaboration with the group of Sue Twine and Teodor Verez at the National Research Council (NRC) Canada.

Recent advances in MS technologies, neoantigen discovery and cancer immunotherapy have catalyzed the launch of the Human Immuno-peptidome Project with the goal of providing a complete map of the human immuno-peptidome and making the technology so robust that it will be available in every clinic. Through the NRC-CHUSJ partnership, the overarching goal of the project is to develop an innovative methodology to increase the robustness of the sample preparation procedure for the isolation of HLA-associated peptides. More specifically, the selected candidate will develop new microfluidic devices to digitalize the immuno-affinity purification of HLA-associated peptides to increase the yield and reproducibility of the approach. We envision that this project will lead to the development and commercialization of a game changing method that will drastically accelerate the Human Immuno-peptidome Project.

Qualifications:

We are seeking a highly-motivated individual with a solid background in biochemistry, bioengineering and microfluidics.

- PhD in biochemistry, biomedical engineering or a related field.
- Expertise in microfluidics.
- Ability to work independently and collaboratively.
- High proficiency in spoken and written English is required; French is a plus.

The position is initially for 1 year, with the possibility of further extension after positive evaluation. Salary and benefits according to University of Montreal standards.

To apply, please send your CV and a motivation letter outlining your expertise and future goals. Please also provide contact information for three references.

Send your application to:

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