

## Post-doctoral position in mass spectrometry

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### ***Project description:***

A post-doctoral fellow position is available in a collaborative project on the development of ion mobility interface to improve the sensitivity of mass spectrometers. This project involves the design, fabrication and testing of an ion mobility device that can be used with an electrospray ion source on a high resolution mass spectrometer. The use of this device will be demonstrated for different applications in proteomics where specific and sensitive identification of biomarkers of human diseases are required.

Applicants should have experience in mechanical or physic engineering and/or ion optics with good publication records and communication skills. Interested individuals should send their CV by email to [pierre.thibault@umontreal.ca](mailto:pierre.thibault@umontreal.ca) and include the names of 2 referees. Preference will be given to Canadian citizens or Permanent Residents.

### ***Relevant publications:***

S. Pfammatter, E. Bonneil, P. Thibault, "Improvement of quantitative measurements in multiplex proteomics using high-field asymmetric waveform ion mobility spectrometry", *J. Proteome Res.*, 2016 Oct 10. [Epub ahead of print]

E. Bonneil, S. Pfammatter, P. Thibault, "Enhancement of mass spectrometry performance for proteomic analyses using High-Field asymmetric waveform ion mobility spectrometry (FAIMS)". *J. Mass Spectrom.* 50, 1181-1195 (2015).

### **Position Available Immediately**

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