



Postdoctoral Researcher – TRIUMF/MIT

[TRIUMF](#) is Canada's particle accelerator centre, and one of the world's leading laboratories for particle and nuclear physics and accelerator-based science. We are an international centre for discovery and innovation, advancing fundamental, applied, and interdisciplinary research for science, medicine, and business.

At TRIUMF, we're passionate about accelerating discovery and innovation to improve lives and build a better world. Equity, diversity, and inclusion are integral to excellence and enhance our ability to create knowledge and opportunity for all. Together, we are committed to building an inclusive culture that encourages, supports, and celebrates the voices of our employees, students, partners, and the people and communities we serve.

TRIUMF, in collaboration with the Massachusetts Institute of Technology (MIT), is currently accepting applications for a Postdoctoral Researcher to contribute to the development of a novel experimental device that will perform precision measurements of radioactive molecules to test fundamental physics. The successful candidate will perform the initial experimental developments at the Laboratory of Nuclear Science (LNS) at MIT, where part of the experimental setup will be tested with stable molecules. After successful tests, the experimental developments will be implemented at TRIUMF where access to radioactive molecules will be provided. You will also have the opportunity to provide major contributions to the development of the experimental apparatus and to commissioning experiments at TRIUMF, supervise undergraduate and graduate students, and attend international meetings and collaborations.

Applicants must demonstrate knowledge of molecular, atomic and nuclear experimental techniques, AMO techniques, and the ability to plan, propose and execute high precision experiments. Qualifications include a recent experimental PhD in physics, thesis work on measurements of nuclear, atomic and/or molecular properties, effective communication and problem solving skills and the ability to work within a multidisciplinary team. While not required, experience in high-vacuum, laser physics, cryogenics and molecular spectroscopy would be an asset to your application.

The position will have a joint affiliation with TRIUMF and MIT, with an initial commitment of 2 years based at MIT with occasional travel to TRIUMF. This may be renewed for an additional 2 years, based on mutual satisfaction and continued funding, with the position then being based at TRIUMF. Salary will be competitive depending on experience.

TRIUMF is an equal opportunity employer, and we welcome applications from all qualified candidates. Your complete application package should be submitted by email to recruiting@triumf.ca and will include the following in one complete PDF file:

- Subject line: 758
- [Employment Application Form](#)
- Cover letter indicating salary expectations
- Detailed CV with list of publications
- 3 letters of recommendation or reference sent directly to the email above

Application closing date: March 15, 2020