TRIUMF

Postdoctoral Researcher – Gamma-Ray Spectroscopy

[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.

In support of our Nuclear Physics program, we are currently accepting applications for a Postdoctoral Researcher to join our Gamma-Ray Spectroscopy at ISAC (GRSI) group. The successful candidate will have the opportunity to lead and support basic research experiments utilizing all aspects of the TIGRESS Sprectrometer at ISAC. The successful applicant will be expected to

- Lead and participate directly in research with TIGRESS and other devices operated under the GRSI project funding
- Simulate, construct, install, integrate, commission and operate components of the TIGRESS high-purity germanium gamma-ray spectrometer and its ancillary detectors
- Assist in developing, operating, monitoring and maintaining the TIGRESS digital data acquisition system
- Disseminate results as articles in peer-reviewed scientific journals as well as presentations at national and international conferences and workshops
- Supervise undergraduate or graduate students

Applicants must have extensive knowledge of contemporary nuclear structure, radiation detection and measurement, and operation of radiation detectors in general and semiconductor detectors in particular. Demonstrated good oral and written communications skills, proficiency with scientific computing and data analysis using C++ and ROOT and basic knowledge of digital data acquisition are also required. Applicant must have a demonstrated ability to work in a collaborative team environment.

This grant funded position will be based at TRIUMF and the term of employment will be based on an initial commitment one year. This may renewed for up to three years, based on mutual satisfaction and continued grant funding. 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: Competition 765
- [Employment Application Form](#)
- Cover letter indicating salary expectations
- Detailed CV with a list of publications
- Arrange for 3 letters of recommendation or reference to be sent directly to the email above

Application closing date: February 15, 2020

It is important to note that due to operation necessity, TRIUMF will as needed, make hiring decisions that could pre-empt the application closing date. Accordingly, we suggest candidates submit expressions of interest in a timely fashion.