



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 to fill two Postdoctoral Researcher roles within our Gamma-Ray Spectroscopy at ISAC (GRSI) group. The successful candidates will have the opportunity to lead and support basic research experiments utilizing all aspects of the TIGRESS Spectrometer at ISAC. The successful applicants will be expected to

- Lead and participate directly in research with TIGRESS and other devices operated under the GRSI project funding
- Disseminate results as articles in peer-reviewed scientific journals as well as presentations at national and international conferences and workshops
- 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
- 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. Applicants 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 be renewed for up to three years, based on mutual satisfaction and continued grant funding. Salary will be competitive depending on experience.

TRIUMF is located on the south campus of the University of British Columbia, in the heart of Pacific Spirit Park in Vancouver, BC. We offer a competitive total compensation package, including comprehensive benefits, attractive salary based on experience, and an excellent opportunity to enhance your career portfolio in a high-profile national research facility.

Learn more about how the amazing research and work we do at TRIUMF impacts humanity
<https://www.rarestdrug.com/>

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

- Subject line: 814
- [Employment Application Form](#)
- Cover letter
- Brief statement of research interests

- Detailed CV with a list of publications
- Arrange for at least 3 letters of recommendation or reference to be sent directly to recruiting@triumf.ca including Competition 814 in the subject line

Application closing date: March 31, 2021

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