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 Postdoctoral Researchers to join our Gamma-Ray Spectroscopy at ISAC (GRSI) group and lead and support basic research experimenmts. This group is involved in a number of programs investigating a variety of nuclear structure, nuclear astrophysics, and fundamental symmetries topics at TRIUMF's ISAC facility, including GRIFFIN, TIGRESS and DESCANT.

The successful candidate will have the opportunity to lead and support basic research experiments utilizing infrastructure supported by the GRSI NSERC project grant. The successful applicant will be expected to: lead and participate directly in research with TIGRESS, GRIFFIN, and their associated auxilliary detectors, including but not limited to research into shape coexistence, shell evolution, and tests of ab initio theory techniques; set up, optimize, operate and maintain a significant component of the GRSI infrastructure, including its component detectors, data acquisition system, and ancillary detector systems; disseminate results as articles in peer-reviewed scientific journals as well as presentations at national and international conferences and workshops; and supervise undergraduate or graduate students

Applicants must have a recent or imminent Ph.D. in nuclear physics or nuclear chemistry. 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. Basic knowledge of digital data acquisition is also required. Applicants must have demonstrated good oral and written communications skills, and proficiency with scientific computing and data analysis using C++ and ROOT.

This grant funded position will be based at TRIUMF, and the term of employment will be based on an initial commitment of one year. This may be renewed for a second and third term, based on mutal satisfaction and continued grant funding. Salary will be competitive depending on experience.

When submitting your application as detailed below, please include a detailed CV with a list of publications, and arrange for 3 letters of recommendation to be sent directly to the email below.

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: 716
- Employment Application Form
- Cover letter indicating salary expectations
- CV

Applications will be accepted until the position is filled.