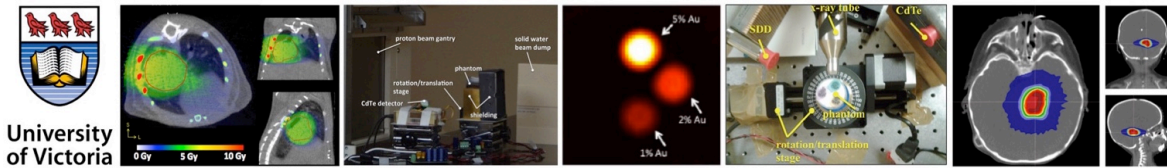


MSc/PhD position in CAMPEP-accredited Medical Physics program
X-ray Cancer Imaging and Therapy Experimental (XCITE) lab
University of Victoria
Department of Physics and Astronomy



The **XCITE Lab** invites applications for an **MSc or PhD student from an underrepresented group** to our CAMPEP-accredited Medical Physics program in the Department of Physics and Astronomy of University of Victoria to start in **September 2022**. Only candidates from underrepresented groups (Indigenous applicants, women, people of color, etc.) will be considered for this position.

The research funded by the Natural Sciences and Engineering Research Council (NSERC) involves developments of radiation sources and dosimeters for the delivery of **FLASH and spatially-fractionated radiotherapy (SFRT)**. These two techniques, especially FLASH, are currently hot topics of radiation oncology and are thought to have the potential to revolutionize radiotherapy. During the course of research, the student will be performing Monte Carlo simulations as well as experimental work at the University of Victoria and potentially at TRIUMF, Canada's particle accelerator laboratory in Vancouver. Two other PhD students and two undergraduate students are currently working on this project, so the incoming student would be well supported.

MSc applicants must hold an equivalent of an Honours Physics BSc degree and PhD applicants must hold an MSc degree from a CAMPEP-accredited medical physics program. The ideal candidate will have shown academic excellence and demonstrate research aptitude and motivation to perform high-quality research, good communication and writing skills and willingness to collaborate in an interview. The final candidate will be selected by all members of the XCITE lab.

Victoria is the capital city of British Columbia and is located on the southern tip of Vancouver Island. Victoria offers its residents a small-town feeling with all the benefits of modern urban living. With its exhilarating ocean and mountain sceneries and year-round mild climate, Victoria is a very attractive destination for people loving outdoor activities or a relaxed lifestyle.

To apply, please contact me or apply directly as described on our website **by December 1st, 2021**.
<https://www.uvic.ca/science/physics/medicalphysics/student/index.php>

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