

Job Posting



The Medical Physics Unit, a Division in the Department of Oncology at McGill University wishes to attract excellent candidates to be considered for a tenure track Assistant or Associate Professor in Medical Physics. Although our goal is to attract the best overall candidate, we are primarily looking for a radiation oncology or radiology physicist, physics-engineer or computer scientist with a research record in image processing for clinical studies, machine learning, bioinformatics, and preferably with affinity to radiation biology. Salary will be negotiable, according to qualifications and experience.

The successful candidate will have a Ph.D. in physics, physics engineering or computer science and have significant post-doctoral research experience. The successful candidate will join a dynamic team of the combined clinical/academic medical physics group based at the McGill University Health Centre, which provides clinical services to the Radiation Oncology Division and the Diagnostic Radiology department.

The medical physics graduate program has the longest history of accreditation by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP) in Canada and currently enrolls ~40 students working on a wide variety of research projects ranging from radiation physics, imaging and imaging processing, device-development projects, projects at the interface of physics and biology, projects involving REB-approved clinical studies and projects involving health informatics.

Departmental facilities have just transferred (2015) to a brand new facility at the Cedars Cancer Centre (Glen Campus) and include six linear accelerators (Varian Truebeam and Varian Truebeam STX), a CyberKnife (Accuray), a brachytherapy suite including an afterloader unit with an in-room CT-simulator, 3T MR simulator, and 4D CT simulators, and an expanded treatment planning area with Varian Aria/Eclipse platform in a Citrix-based environment. The Cedars Cancer Centre is also adjacent to the new Research Institute (RI-MUHC) that houses lab space, animal facilities and small-animal imaging and radiation therapy equipment.

The successful candidate will be expected to teach graduate level courses in the CAMPEP-accredited M.Sc., Ph.D. and residency programs in medical physics and placed on the tenure track stream. The candidate is expected to attract external salary support, develop a vigorous research program based on federal, industrial and international grant support and build a research team.

McGill University is committed to diversity and equity in employment. It welcomes applications from women, Aboriginal persons, persons with disabilities, ethnic minorities, persons of minority sexual orientation or gender identity, visible minorities, and others who may contribute to diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be given priority.

Please submit your application within 30 days of the publication of this advertisement at the following website: <http://www.mcgill.ca/medicine-academic/positionsavailable>. Applications must include (i) a cover letter and curriculum vitae; (ii) a statement of research interests and teaching philosophy and the names and contact information of three references.

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