The University of Alberta Department of Oncology and The Cross Cancer Institute Invite

Applications for

Medical Physicists & Medical-Physics Residents

Various positions are available in the Division of Medical Physics, Department of Oncology, University of Alberta, and the Department of Medical Physics, Cross Cancer Institute (CCI), Edmonton, AB.

Senior academic medical physicists:
The applicant should have a Ph.D. in medical physics with CCPM certification or the equivalent (ABR, ABMP). The level of the appointment and the amount of guaranteed research time will be commensurate with the qualifications of the candidate. It is expected that the positions will be at the Professor or Associate Professor level. The candidate will be expected to establish an independent research program in the interface of **imaging with radiation therapy, in oncologic diagnostic imaging physics or in oncologic MR imaging physics.**

Associate medical physicists (residents):
These positions are available in **diagnostic imaging physics** and in **radiation therapy physics**. The applicant should have a Ph.D. in medical physics with the understanding that the applicant would write the CCPM membership examination after the two year training period.

The CCI is the free standing comprehensive cancer centre situated on the University of Alberta campus, that serves the population of Edmonton and northern Alberta, providing tertiary level diagnostic and treatment services, conducting cancer research and participating in professional education.

The clinical facilities of the CCI include seven Varian linear accelerators, a cobalt unit, an orthovoltage x-ray machine, a CT-simulator, brachytherapy program, two conventional simulators, advanced treatment planning systems, substantial electronic and machining facilities; comprehensive diagnostic, CT, MRI (1.5 T), SPECT and PET imaging systems. Developmental research includes IMRT planning, delivery, and verification; brachytherapy planning, megavoltage imaging detectors and image-guided adaptive radiotherapy. Clinical research includes participation in RTOG, clinical imaging, etc. There are strong links with the Experimental Oncology Division which provides expertise in molecular biology, genomics, proteomics, cell biology and imaging, biochemistry, and experimental therapeutics for cancer. Departmental teaching are within our CAMPEP-accredited medical-physics graduate program, the medical-physics residency program, the radiation oncology residency training program, and the in-house radiation therapist training school.

Major research facilities with laboratory space exists within the fully-funded Center for Biological Imaging and Adaptive Radiotherapy (CBIAR) at the CCI. CBIAR includes a whole-body 3 T MRI/MRS system, Helical TomoTherapy, a 9.4 T MRI/MRS animal system, 2 PETS, a PET-CT, and an isotope-producing cyclotron with GMP capabilities.

Edmonton is in the heart of the Alberta parklands offering a wide variety of recreational activities, with the majestic Canadian Rocky Mountains a few hours away. The North Saskatchewan river winds it's way through Edmonton providing a stunning river valley with fully developed trails and parks. In addition, the combination of lowest provincial income tax, lack of provincial sales tax, and availability of modern amenities such as, the world's largest shopping mall and entertainment centre, make Edmonton a vibrant and attractive city to live and work.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered. The University Alberta and the Cross Cancer Institute hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

Please submit a resume with the names of three referees to
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