



## Full Time Permanent Medical Physicists

The Cross Cancer Institute (CCI) has immediate openings for medical physicists to fulfil the research, teaching, and clinical missions of the radiation oncology program. These full-time permanent positions will join a large and broadly skilled medical physics department, joining a team that supports services in external beam radiation therapy, brachytherapy, nuclear medicine, as well as diagnostic and MR imaging.

The facility has a comprehensive suite of equipment, including eight Varian accelerators, two CT simulators, PET-CT and PET-MR, an orthovoltage unit, an HDR brachytherapy unit, as well as prostate permanent seed and ocular brachytherapy programs, and access to an Elekta Gamma Knife (University of Alberta Hospital). Unique opportunities in the application of MR to radiotherapy (RT) are provided by a 9.4 T animal research MRI, and a clinical Linac-MR system engineered and built in house based on research and design work carried out at the CCI; this first of its kind Linac-MR is now conducting clinical trials and continuing research. A 3T MR simulator is also coming to the CCI, in addition to a Varian ETHOS machine.

Ideal candidates will complement the existing clinical, teaching, and research programs of the group, respected for its high quality of care, cutting edge techniques, innovative technology, and its CAMPEP-accredited graduate and residency programs (both therapy and imaging). For suitable candidates, there are opportunities to support and further develop the CCI Linac-MR, to contribute to the busy and expanding Gamma Knife program, and to participate in the introduction of ETHOS-based adaptive radiotherapy. A fully equipped medical physics machine shop, coupled with ample computing resources and expertise, also makes the department ideal for both experimentalists and theoretical researchers.

The positions will carry out the usual duties of a medical physicist, including oversight and design of quality assurance programs, implementation of new treatment delivery and planning techniques, quality checks of the radiation treatment planning process, assisting in the drafting, implementation, and review of policy as needed, and assisting where required with the radiation safety program. It is also expected that successful candidates will engage in research and teach in our graduate and residency programs; they will be eligible to hold an appointment with the University of Alberta.

MCCPM or equivalent in Radiation Oncology is required, but candidates eligible for CCPM in 2025 will be considered. Graduates of a CAMPEP-accredited program and residency, and those possessing a PhD are preferred. Successful candidate(s) will demonstrate clinical, academic, and teaching excellence and possess excellent communication skills, interpersonal skills, and project leadership abilities.

Interested candidates may apply online at:

<https://careers.albertahealthservices.ca/jobs/radiation-oncology-medical-physicist-492262>