Two Medical Physics Residency Positions Available in Calgary

The Medical Physics Department in Calgary, Alberta at Arthur J.E. Child Comprehensive Cancer Centre invites applications for two available Resident positions (two-year term) in the CAMPEP-accredited Radiation Oncology Physics Residency Program, starting on September 1, 2027. This program is offered jointly as a University of Calgary Post-Doctoral Diploma in Radiation Oncology Physics (https://www.ucalgary.ca/radiation-oncology-physics).

The Department of Medical Physics currently provides clinical physics services at the Arthur J.E. Child Comprehensive Cancer Centre in Calgary. Approximately 4000 patients per year receive radiotherapy on one of the 10 Varian linear accelerators. The Arthur Child supports active clinical programs including SRS, SBRT, IGRT, SGRT, TBI, paediatric RT, LDR and HDR brachytherapy in an integrated suite with MR imaging. The centre is equipped with state-of-the-art technology including 10 Varian Linacs, 2 MR-Linacs, and extensive simulation capabilities (CT, PET-CT and 2 MRI) providing full integration of MR technology in precision radiation medicine and care. The Arthur Child is a leading health care facility, academic, and research centre providing cancer services for Calgary, Southern Alberta, and specialty provincial programs.

The two successful applicants will join the Post-Doctoral Diploma (Residency Program) and complete the two-year structured program intended to provide practical training in Radiation Oncology Physics and preparation for the membership examination of the Canadian College of Physicists in Medicine. The program is structured to focus on providing residents the skills, knowledge, and experiences to work successfully in a multi-disciplinary clinical environment.

The Medical Physics Resident requires a PhD in Medical Physics from a CAMPEP accredited graduate program or completion of a CAMPEP-accredited certificate program. Applicants are required to have completed their PhD degree or submit a letter stating they have a PhD defense date set formally with their university before the application deadline. A strong commitment to the highest clinical standards, and highly developed interpersonal and teamwork skills are required for this position. The successful candidates will join a growing Medical Physics Department of almost 50 team members, including 24 physicists and two senior residents.

We are participating in the MedPhys Match Program, therefore all applicants must be enrolled in the Match Program prior to applying (https://natmatch.com/medphys/). After your registration with NatMatch (Match Code Number: 17411), please submit your application directly via email to medical.physics@cancercarealberta.ca.

Applications must include:

- a cover letter
- a detailed CV that includes the names of 3 professional references
- university transcripts (official or unofficial) from undergraduate and graduate schools
- 2 reference letters submitted directly to the email above from at least 2 of the 3 listed professional references

Deadline to apply is January 1, 2027.

All qualified candidates are encouraged to apply; however, Canadians and Permanent Residents of Canada will be given priority. Please indicate your status in your cover letter.

This position is subject to the candidate completing and fulfilling requirements for employment of Cancer Care Alberta and on enrollment in the University of Calgary's Post-Doctoral Diploma in Radiation Oncology Physics. This includes completion of a criminal record check.

Closing date: January 1, 2027
Any inquiries can be sent to medical.physics@cancercarealberta.ca