



Northern Ontario
School of Medicine
École de médecine
du Nord de l'Ontario
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Health Sciences North
Horizon Santé-Nord



The Northern Ontario School of Medicine (NOSM) Medical Physics Residency Education Program (MPREP) has two openings, starting October 12, 2021, for Medical Physics Residents specializing in the field of Radiation Oncology. The positions are offered by Health Sciences North (HSN) in Sudbury and the Thunder Bay Regional Health Sciences Centre (TBRHSC). A unique aspect of this CAMPEP accredited program is that it is comprised of two geographically separated campuses. Residents will be interacting with faculty located at both campuses and will have opportunity to visit and experience both sites. The regional cancer treatment program at HSN has six medical linear accelerators (3 Varian Clinac iX, 1 Varian TrueBeam, 2 Elekta Infinity), a high dose rate brachytherapy unit (Elekta), a radioactive seed implant suite, and two CT simulators (GE Medical Systems). One of the medical linear accelerators (Clinac iX) is located at a remote site located in the Sault Area Hospital. The regional cancer treatment program at the TBRHSC operates two medical linear accelerators (2 Elekta Infinity), a high dose rate brachytherapy unit (Elekta Flexitron), a large bore CT-simulator (Siemens Somatom AS) and a PET/CT simulator (Philips Gemini TF). In combination the two clinical programs provide image guided radiation therapy, intensity modulated radiation therapy, volumetric modulated arc therapy, stereotactic ablative radiation therapy, and high dose rate and permanent implant brachytherapy.

Successful applicants will enrol in a two year training program addressing all aspects of clinical radiation oncology physics. The major sections of the training curriculum include evaluation of radiation treatment equipment performance, equipment calibration, radiation treatment planning and delivery, radiation safety, and radiation oncology informatics. In addition, residents are expected to participate in clinically oriented research and to be actively involved in teaching. At the completion of the program the resident will have acquired the knowledge and experience necessary to become eligible for professional certification examination in clinical radiation oncology physics.

To be eligible to enter the NOSM Medical Physics Residency Education Program (MPREP), the applicant must have completed training from a Commission on the Accreditation of Medical Physics Education Programs, Inc., (CAMPEP) accredited medical physics graduate program by completing an M.Sc. or Ph.D. in medical physics or equivalent. In addition, candidates who have completed a CAMPEP-accredited certificate program are eligible to apply. Finally, applicants who have 1) completed a doctorate degree in physics, physical science, or engineering, with either an undergraduate degree in physics or at least three upper-division (3rd or 4th year level) undergraduate physics courses, and

2) have completed some of the required graduate coursework outside a CAMPEP-accredited graduate program may apply to the program. For more information visit the CAMPEP website: <https://www.campep.org/ProspectiveApplicants.asp>

Interested candidates are encouraged to visit <https://nosm.ca/mprep/> for more information on the program and, in particular, to review the *For Applicants* section for details regarding the application requirements.

Electronic submissions are preferred and applications should be directed to:

Dr. Peter L. McGhee
Program Director
Medical Physics Residency Education Program
Northern Ontario School of Medicine
Thunder Bay Regional Health Sciences Centre
980 Oliver Road
Thunder Bay, Ontario
Canada P7B 6V4

pmcghee@nosm.ca

The Residency Program offers a competitive salary and benefits package in accordance with the collective agreement of the Professional Institute of the Public Service of Canada (PIPSC).

POSTING DATE: TUESDAY, OCTOBER 12, 2021.

APPLICATION DEADLINE: MONDAY, NOVEMBER 8, 2021.