

## Medical Physicist - Medical Physics

Nova Scotia Health is the largest provider of health services in Nova Scotia, with some specialized services also offered to clients throughout Atlantic Canada. We're on a mission to achieve excellence in health, healing and learning through working together, which is reflected in the hospitals, health centres and community-based programs we operate across the province. Our passionate team of professionals provides a variety of high-quality inpatient and outpatient services including academic, tertiary, and quaternary care, as well as continuing care, primary health care, public health, and mental health and addictions. Join a diverse team of innovators, collaborators and creative thinkers today.

Nova Scotia Health employs professionals in all corners of our beautiful province. We believe there's a place here for everyone to call home, from vibrant cities with exuberant nightlife to quaint towns with picturesque trails. The work-life balance that comes with an Nova Scotia Health role means you'll have the time to explore, discover, and participate in that coveted Atlantic lifestyle. Visit us today and check out [www.novascotia.com](http://www.novascotia.com) to see why more people from across the globe are moving here.

### About the Opportunity

Nova Scotia Health, Atlantic Canada's largest academic health care organization, is recruiting Medical Physicists for three newly created positions in the Cancer Care Program at the QEII Health Sciences Centre site in Halifax, Nova Scotia. As a member of the Department of Medical Physics, you will play a vital role in cancer care, joining a dynamic team of eleven oncology and two imaging physicists, one oncology physics resident, a medical physics assistant, eight dosimetrists, four electronics/IT technologists and one mechanical technologist.

You will be expected to support the clinical service as well as advance the department's academic mandate of research and post-graduate training activities. Clinically, you will take part in treatment planning, quality assurance and development of new treatment techniques and protocols. Academically, you will have a faculty appointment in the Dalhousie University Department of Radiation Oncology and will provide both teaching and supervision in CAMPEP-accredited Masters, Doctoral and Certificate programs in medical physics. The programs have enrolment that have quadrupled since accreditation in 2015, include nine graduate courses with thesis research in areas including novel technology for image guidance in radiotherapy, innovative approaches to arc-based therapy, novel detector development, improved methods for dosimetry of HDR brachytherapy and applications of functional and molecular imaging to radiation therapy. Our Department of Medical Physics expects research output among its faculty, provides resources and dedicated time and internal funding for graduate students. You will be expected to secure external research support in this context. Our medical physicists leverage exceptional support from Nova Scotia Health Research, Innovation and Discovery in facilitating industry engagement, establishment of intellectual property, and translation of R&D to commercialization toward the benefit of patients worldwide. Nova Scotia Health Medical Physics administers a CAMPEP accredited residency training program in oncology medical physics, and the successful applicant will serve as a preceptor in this program.

The treatment facility in Halifax includes six Varian linear accelerators. The equipment includes five TrueBeam units, one equipped with stereoscopic imaging and robotic guidance. All TrueBeam units include Developer Mode to support R&D initiatives. In 2022 this array of technologies will be extended through the addition of a cutting-edge treatment platform. A full range of radiation treatment is offered, including VMAT for a majority of radical cases, cranial

SRS/SRT and SBRT for lung, liver and spine indications. The facility administers an active brachytherapy service, including ultrasound-based, real-time prostate HDR. External beam planning systems include Eclipse and Elements, both deployed through a thin client architecture, as well as Oncentra for brachytherapy. A computational cluster supports distributed numerical modeling for research applications. MRI and PET imaging and cyclotron facilities are on site. As part of the QEII redevelopment process, this facility is slated to be replaced by a new centre in the coming years, including nine treatment rooms, with purpose-built areas dedicated to adaptive radiotherapy, brachytherapy, rapid response unit. This redevelopment will include all new imaging and therapy platforms as well as state-of-the-art resources enabling the latest advances in teaching and research in medical physics.

### **About You**

We would love to hear from you if you have the following:

- PhD in Medical Physics or Physics with specialization in Medical physics
- Certification by the Canadian College of Physicists in Medicine (MCCPM) or the American Board of Radiology (DABR) OR are eligible for MCCPM certification by having graduated from a CAMPEP-accredited residency training program in radiation oncology medical physics; and
- Strong track record of funded research in radiation oncology physics
- Competencies in other languages an asset, French preferred

In addition, you offer exceptional interpersonal, communication, organization and problem-solving skills.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

Please ensure your resume is up to date and includes all relevant education, experience, training, and certifications.

### **Hours**

Permanent, Full Time; 75 hours bi-weekly

### **Compensation and Incentives**

\$66.37 - \$88.08 Hourly

Successful candidates may be eligible for our benefits package which includes health, dental, travel, long-term disability, and life insurance coverage as well as a defined benefit pension plan.

**To apply, please follow this link:** <https://jobs.nshealth.ca/job-invite/154187/>