

Head of Medical Physics

Full-time opportunity

Are you a collaborative, transformational leader with a commitment to clinical excellence, continuous improvement and quality, safe, patient-centred care? If so, this full-time role with Niagara Health – at our St. Catharines Site – is a unique opportunity to advance your career in medical physics while enjoying all that Niagara Region has to offer.

Reporting to the Director of Patient Care, Oncology and Palliative Care, you will provide leadership in clinical, educational, and research activities, while leading strategic and transformational change through the implementation of new technology, and improvement of clinical processes, and by ensuring program quality. As **Head of Medical Physics**, you will supervise, coordinate, and evaluate the Clinical Medical Physics Service for the Radiation Medicine Program at the Walker Family Cancer Centre (WFCC) through the application of physics to medicine. This role will involve working collaboratively with the Head of Radiation Oncology and the Manager of Radiation Therapy to provide optimal clinical workflow efficiency, as well as high-quality, safe patient-centred care.

As Head of Medical Physics, you will provide oversight for quality assurance testing, commissioning and calibration of equipment used in the Radiation Medicine Program, provide direction towards new treatment techniques and/or technologies, and advise radiation oncologists and dosimetrists, as required. In addition, you will carry out key management-level duties, such as oversight of Medical Physics Department daily operations, employee evaluation and work assignment, project management, radiation capital equipment procurement, management of capital and operational budgets, professional and technical mentorship of staff, recruitment, and internal/external collaboration with relevant stakeholders.

This position offers eligibility for an adjunct faculty appointment through the Department of Physics at Brock University for teaching and research related to novel methods of cancer diagnosis and/or therapy. In the future, the Head of Medical Physics will help coordinate an academic relationship with McMaster University through their CAMPEP-accredited graduate-level and residency programs.

INFRASTRUCTURE:

As the successful applicant, you will join a rapidly growing radiation treatment program, and play a significant role in the transformation of the program over the next five years. More specifically:

- CT simulation has transitioned toward a state-of-the-art Canon Aquilion Exceed LB scanner;
- Treatment planning will evolve from the Philips Pinnacle to the RaySearch RayStation platform;
- MOSAIQ oncology information system has recently transitioned and implemented locally;
- Three Elekta Synergy/Agility linear accelerators will all be replaced with advanced radiation delivery systems capable of SRS/SBRT/VMAT/IGRT/SGRT. The first linear accelerator replacement is scheduled to be with the Varian Edge stereotactic platform;
- AI-based contouring is available using Limbus AI software modelling;
- Motion management is performed through the C-RAD Sentinel 4DCT and Catalyst HD systems;
- DICOM manipulation / PACS storage is managed using the MIMVista platform;
- Ultimaker S5 3D printer bundle is available for custom RT applications.

As Head of Medical Physics, you will play an important role in directing the implementation of the new treatment planning system, and guiding the pending linear accelerator replacements.

The Medical Physics Department at the WFCC currently consists of a team of four medical physicists (expanding to five), two physics associates, a physics systems administrator, an oncology application specialist, and a dedicated biomedical technologist. We promote a healthy work environment with inter-professional collaboration and networking.

QUALITY OF LIFE:

The Walker Family Cancer Centre is situated within St. Catharines, Ontario, at the heart of the Niagara Region. The area is ideal in terms of raising a family and achieving an optimal work-life balance. The region boasts world-class cultural and outdoor attractions throughout Niagara Falls, Niagara-on-the-Lake, and adjoining areas, while the backdrop of the escarpment and surrounding lakes provides a network of beaches and trails to explore. Housing prices are reasonable compared to other major centres within southwestern Ontario, while an opportunity to live a cottage-like lifestyle exists without owning two separate homes. Quick access to the QEW provides a convenient artery to drive to Toronto or cross the US border for entertainment, shopping and travelling.

To join our team as Head of Medical Physics within our Medical Physics Department, you must be a highly knowledgeable professional combining experience in clinical medical physics with staff management in a multi-union setting, and have a knowledge base and skill set that include:

- Ph.D. in Medical Physics or a similar field.
- Canadian College of Physics in Medicine (CCPM) or American Board of Radiology (ABR) equivalent certification.
- Possession of CCPM fellowship certification, preferred.
- A minimum of 10 years of clinical medical physics experience, and five years in a leadership role.
- Experience managing staff in a multi-unionized environment.
- Demonstrated clinical excellence and problem-solving skills, and proficiency in scientific/technical writing.
- Knowledge and experience in a wide range of clinical therapeutic medical physics, such as radiation equipment acceptance testing, commissioning, and quality assurance, treatment planning, and clinical and technical protocol development radiation equipment.
- Demonstrated ability to provide an environment for Medical Physics research and development.
- Willingness to gain knowledge of relevant Niagara Health policies and procedures, and collective agreements.
- Mentorship experience in people management, and strong interpersonal, organizational and communication skills.
- Ability to maintain consistent, regular attendance.

ASSETS:

- Experience in change management, project management, and process improvement.
- Proficiency in both official languages (English and French).

NOTE:

- Vaccines (COVID-19 and others) are a new hire requirement of the job, unless you have an exemption based on a medical ground or on a ground pursuant to the Ontario Human Rights Code.
- This competition is directed to Canadian citizens and permanent residents of Canada.

Discover a team environment of Extraordinary Caring – and great quality of life

Niagara Health is a regional healthcare provider with multiple sites and a growing network of community-based and virtual services.

We believe that every person in our region deserves to live every day of their life in the best health possible. As a community-based academic centre, our focus on teaching and learning, research, innovation and partnership propels us to continually improve care and make a difference in people's lives.

Our team is made up of more than 7,300 employees, physicians and volunteers whom we count on to deliver **Extraordinary Caring. Every Person. Every Time.** Our Accreditation with Exemplary Standing is a clear demonstration of the team's commitment to the highest safety and quality standards.

We provide a full range of acute care hospital services to the 450,000 residents across the Niagara region, and we are one of the few hospitals in Ontario that own and operate a long-term care facility.

Creating a healthy community is a collaborative effort. The courage and hope demonstrated by so many during the COVID-19 pandemic inspire us to continue to work with community partners to improve the health and well-being of our region.

To join Niagara Health is to spend more time enjoying life than commuting. Nestled between Lake Ontario and Lake Erie, and best known for its tourist attractions, the area offers great geographical advantages. Our hospital sites are located in thriving communities, where affordable housing, a myriad of recreational and cultural activities, and diverse settings make both family and single living a rewarding experience.

Application Process

For more information on Niagara Health, visit www.niagarahealth.on.ca. Qualified candidates are invited to submit their cover letter and resume/curriculum vitae (CV) online, by **Thursday, July 27, 2023**, at

<https://careers.niagarahealth.on.ca/erecruit/VacancyDetail.aspx?VacancyUID=00000030874>

Please contact Christine Callaghan, Recruitment Specialist, Niagara Health (christine.callaghan@niagarahealth.on.ca) for further details or questions related to the application process.

Please contact Tracy Fazzari, Director, Patient Care, Oncology and Palliative Care (tracy.fazzari@niagarahealth.on.ca), for any program-specific information.

Join us on twitter @ nhscareers

We are especially interested in connecting if you...

- ***Value diversity, equity and inclusion;***
- ***Are excited about being part of a respectful and hard-working team in the beautiful Region of Niagara;***
- ***Identify as a member of one or more of the following equity-deserving groups: Indigenous persons, racialized, persons with disabilities, persons of diverse sexual orientations and gender identities and all others who may contribute to the further diversification of ideas;***
- ***Have a background or expertise in the healthcare environment, supporting patient care and providing extraordinary customer service.***

In accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code, Niagara Health will provide accommodations through the recruitment process to applicants with disabilities. If selected to participate in the recruitment and selection process, please inform Human Resources of the nature of any accommodation(s) that you may require in respect of any materials or processes used to ensure your equal participation.
