

Academic Cardiothoracic PET/CT Nuclear Medicine Radiologist Full Time

The Department of Medical Imaging at St. Michael's Hospital in Toronto is establishing the Cardiac PET/CT Centre of Unity Health Toronto, and is currently recruiting a full-time, dual trained physician in both nuclear medicine and diagnostic radiology with expertise in cardiac PET/CT and cardiothoracic radiology to lead our Molecular Imaging Division.

We are a collegial group that seeks clinically excellent nuclear medicine physicians and radiologists and to support our mission of excellent patient care delivered in a positive and constructive work environment. We offer excellent compensation and opportunities for professional and career growth.

The anticipated start date is July 1, 2024, or sooner.

Unity Health Toronto is hospital network comprised of three key sites: Providence Healthcare, St. Joseph's Health Centre and St. Michael's Hospital (SMH), with more than 10,000 staff and physicians and an annual budget of more than \$1 billion and 1,100 inpatient beds.

The SMH site is a busy, 600-bed tertiary care and Level 1 Adult Trauma Centre and one of four principal teaching hospitals of the University of Toronto. Clinical instruction of undergraduate, graduate and post-graduate Medical Imaging trainees occurs on a daily basis. We have a strong culture and history of close collaborative working and teaching relationships with other Departments across the hospital network.

The successful candidate will be committed to outstanding quality in clinical operations, teaching and research and will hold certification in both Nuclear Medicine and in Diagnostic Radiology, with the Royal College of Physicians and Surgeons of Canada, American Board of Nuclear Medicine and American Board of Radiology, or international equivalent, be eligible for licensure in the Province of Ontario, and should be eligible for appointment at the rank of Assistant Professor at the University of Toronto. They will be a self-starter and team player, and must have a strong commitment to excellent patient care, continuous quality improvement, research and teaching. The successful candidate will have significant experience in supervision, monitoring and interpretation of PET/CT studies including cardiac PET/CT studies performed both with rubidium-82 (Rb-82) for myocardial perfusion imaging and with fluorine-18 FDG for a variety of other cardiac indications. Additional fellowship training or experience in cardiothoracic radiology is a significant asset. Experience with PET/CT in other areas including brain PET would be a significant asset. Additional subspecialty experience in abdominal radiology will also be an asset.

The candidate will become the new Division Head for the Molecular Imaging and will oversee medical quality of Nuclear Medicine examinations performed in the department. They will take

on technical and clinical leadership of the PET Centre and will also be a full member of the cardiothoracic radiology division. They will work collaboratively with other departments in the hospital, including Cardiology and Cardiac Surgery, and Thoracic surgery as well as external partner institutions locally, nationally and internationally to build clinical and research programs.

A brand new state-of-the-art PET/CT Suite is under construction, with the GE Discovery MI Gen2 PET-CT scanner anticipated to be operational in the department in the spring of 2024. Besides this flagship new PET/CT scanner, our Molecular Imaging Division also features CZT camera for cardiac imaging, 2 SPECT/CT cameras, 2 BMD scanners and thyroid probe. The Department of Medical Imaging, more broadly, also features 3 multi-detector CT scanners (1 dual-energy volume CT scanner), 4 MRI scanners (two 1.5T and two 3.0 T), and 9 ultrasound units. A net new fifth MRI scanner (3.0T) is being procured and will be installed in 2024 physically adjacent to the new PET Centre, both of which will be housed in a brand new wing of SMH which physically expands the footprint of the Department on the same floor. The recent addition of a portable ultra-low field (0.064 mT) head MRI scanner is allowing us to evaluate, innovate and define the early clinical implementation of this technology in Canada. A brand new replacement cardiac-specialized CT scanner is being procured and will also be installed in 2024.

The Molecular Imaging Division provides a general nuclear medicine service which includes a high volume of nuclear cardiology studies. University of Toronto trainees in nuclear medicine, radiology and cardiology programs all rotate through SMH.

The Cardiothoracic Imaging Division of the Department of Medical Imaging encompasses busy cardiac MRI, structural heart CT, and chest CT services supporting strong collaborative programs with cardiology, respirology (pulmonology), internal medicine, thoracic surgery and cardiac surgery. Each year, there are up to 3 full-time Cardiothoracic Imaging clinical fellows at SMH.

In addition to our dedicated MRI Research Centre, and the research capabilities and opportunities of our new PET/CT scanner in the Cardiac PET/CT Centre the SMH Department of Medical Imaging is home to internationally recognized research work in Medical Imaging artificial intelligence through a Research Chair in Medical Imaging Artificial Intelligence. SMH also houses the Li Ka Shing Knowledge Institute and the Keenan Research Centre which provide world-class research support and opportunities for radiologists to engage in collaborative translational research. In 2023, Unity Health Toronto ranked second in Canada in research intensity among research hospitals.

All qualified candidates are encouraged to apply. This is an international recruitment; however, Canadian citizens and permanent residents will be given priority.

Review of applications will begin immediately. The position will remain open until filled or recruitment is closed.

Qualified candidates should send a cover letter, CV, and list of 3 potential references to:

Dr. Anish Kirpalani
Chief, Department of Medical Imaging,
St. Michael's Hospital
30 Bond Street, Toronto ON, M5B 1W8
Email: Anish.Kirpalani@unityhealth.to

The University of Toronto and Unity Health Toronto are strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

For more information about the University of Toronto Department of Medical Imaging, please visit our home page at <http://medical-imaging.utoronto.ca/>. Learn more about St. Michael's Hospital and Unity Health Toronto at: <https://unityhealth.to/>. Learn more about the SMH Department of Medical Imaging at: <http://radiology.to>.