Sunnybrook Research Institute
University of Toronto

Toronto, Ontario, Canada

Physical Sciences Platform Scientist

Background: Sunnybrook Research Institute (SRI) is the research enterprise of Sunnybrook Health Sciences Centre, a teaching hospital fully affiliated with the University of Toronto in Ontario, Canada. The main aims of SRI are to understand and prevent disease, and to develop diagnostics and precise treatments that enhance and extend life. Scientists within SRI are organized within three platforms - biological sciences, physical sciences and evaluative clinical sciences - and conduct transformative research in many clinical areas of priority to the hospital, including brain disease; cancer; heart disease; bone and joint disorders; rehabilitation; trauma, burns and critical care; integrated community and veterans care; and women and babies.

Position: A fully funded Scientist Position is available in the Physical Sciences Platform (PSP) at SRI. Candidates must be eligible for appointment at the level of University Assistant Professor, and possess a PhD in the physical or applied sciences (physics, chemistry, engineering, computer science and related fields) with substantial research contributions in the development of medical imaging methods and/or biomedical technology at the graduate and post-doctoral level. The successful candidate must show strong evidence of research and scholarly achievement, and a proven capacity in mentoring and collaboration. The successful candidate will be expected to develop or relocate their research program as an independent research scientist, and develop translational research that aligns with at least one of the clinical priorities of the hospital. The candidate will develop an internationally competitive research program; foster local, national and international collaborations; participate in graduate training through an academic appointment in the Department of Medical Biophysics, or other appropriate Departments such as the Institute of Biomaterials and Biomedical Engineering, at the University of Toronto; and build new, complementary and collaborative research capacity among the existing PSP scientists.

Career Interruptions: Sunnybrook Research Institute recognizes that scholars have varying career paths, and seeks to fairly evaluate the achievements of all applicants, irrespective of any career interruptions. Candidates are thus encouraged to describe any pertinent circumstances.

Environment: The PSP comprises 26 scientists and senior scientists, and over 200 staff/trainees in a state-of-the-art imaging research facility that is an integral part of Sunnybrook Health Sciences Centre. The PSP faculty have long-standing strengths in the areas of MRI, ultrasound and x-ray imaging, as well as image processing, especially in the area of image-guided therapeutics, and collaborate extensively with biological scientists and clinician scientists within SRI at Sunnybrook. SRI infrastructure is housed within 250,000 square feet of research space

that includes one 1.5T (GE) and three 3T (GE, Philips, Siemens) research-dedicated MRI systems, a research MRI-PET system (Siemens), a system for MRI-guided focused ultrasound brain treatments (Insightec), a combined X-ray / MRI suite dedicated to research on image-guided interventions, a research CT system (Canon/Toshiba), a 7T small-bore MRI system (Bruker), a vertical 7T NMR system (Bruker), a twin two-photon laser scanning microscope (Olympus), and a GE Spinlab polarizer for ^{13}C MRI research.

Toronto: Toronto is the most populous city in Canada and the fourth most populous city in North America. It is located on the northwestern shore of Lake Ontario and features an extensive network of rivers, deep ravines, and urban forests, excellent for sailing, canoeing, biking, running, and cross country skiing. It is an international centre of business, finance, and the arts, and is a truly multicultural metropolis, with half of Torontonians born outside of Canada. Toronto has been consistently rated as one of the top 10 most liveable cities in the world .

How to Apply: Applicants should submit a cover letter describing current research interests and future research goals, a detailed CV, and the names of three potential references, addressed to Dr. Kullervo Hynynen, Chair of the Search Committee.

Please submit your application via email to (Lorelie.lacson@sunnybrook.ca).

This post will stay active until the position is filled.

Diversity Statement: Sunnybrook Research Institute is committed to providing accessible employment practices that are in compliance with the Accessibility for Ontarians with Disabilities Act (AODA). If you require accommodation for disability during any stage of the recruitment process, please indicate this in your cover letter.

Sunnybrook Research Institute is strongly committed to inclusion and diversity within its community and welcomes all applicants including: women, visible minorities, Aboriginal People, all religions and ethnicities, persons with disabilities, and LGBTQ persons, and all others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority.

Job Information:

Number of positions:	1 (One)
Education Requirements:	Doctoral/PhD
Languate Requirements:	Verbal: English
	Written: English
Duration of Employment:	Permanent, Full-time
Vacation:	4 weeks
Wage:	$90,000 – $117,000 (Cdn)

dd: awk/Sept 4/2019