

Principal Investigator in Data Science and Health Research



Position Summary

The [Lunenfeld-Tanenbaum Research Institute](#) of Sinai Health System, a University of Toronto affiliated biomedical institute, is recruiting an emerging leader in the area of **Data Science and Health Research**. The appointment will be for a Principal Investigator, rank equivalent to Assistant Professor.

We seek applicants that will develop independent, outstanding and innovative research programs in Data Science with specific focus on applications to health research. Topic areas include, but are not limited to: genomics, epigenomics, transcriptomics, proteomics, metabolomics, pathogen genomics, statistical genetics, epidemiology, data linkage, bioinformatics, quantitative image analysis, machine learning and artificial intelligence application in health science.

The successful candidate will join the Lunenfeld-Tanenbaum Research Institute whose [faculty members](#) are internationally renowned for their work in multiple area of cutting-edge research. With numerous discoveries in cancer, diabetes, genetic disorders and women's and infants' health, the Lunenfeld-Tanenbaum Research Institute is committed to excellence in health research and the training of young investigators. Within Lunenfeld-Tanenbaum Research Institute, the Prosserman Centre for Population Health Research includes a group of multi-disciplinary scientists with focus on quantitative research of complex diseases, including population and statistical genomics based on large-scale cohorts and biobank data, and multi-omics integration. The Institute provides a research-intensive environment with modern and innovative core facilities, including biobanking, next-generation sequencing, proteomics, advanced cellular imaging and a designated Research Training Centre

The Investigators will be cross-appointed at the University of Toronto in the academic department best aligned with the candidate's background and research topic, and with possible affiliated appointment at the Vector Institute, if applicable. The investigator will be integrated into the large network of data scientists affiliated with the Data Science Institute at the University of Toronto and the greater Toronto research ecosystem.

As part of the University of Toronto's & Sinai Health's implementation of its [Canada Research Chairs Equity, Diversity & Inclusion Action Plan](#), an appropriately qualified individual may also be nominated for a Tier 2 Canada Research Chair. Nominees should be within ten years of receiving their PhD. Applicants who are more than 10 years from having earned their highest degree may have their eligibility for a Tier 2 chair assessed through the program's Tier 2 justification process.

Lunenfeld-Tanenbaum Research Institute labs engage in productive collaborations within the Institute, in the larger University of Toronto community, as well as national and international collaborations. The University of Toronto has one of the most concentrated biomedical research communities in the world, including 9 academic hospital research institutes that are fully affiliated with the University. Toronto is a vibrant, safe and multicultural city with excellent quality of life.

Education and Experience Requirements

Candidates must hold a PhD, ScD or equivalent doctoral degrees, with postdoctoral experience and an established record of research accomplishment as demonstrated by outstanding publications, presentations at major international conferences, awards and accolades, and strong endorsement by referees of high international standing. A track record of securing external funding is an asset. The successful candidate will be expected to initiate and lead an innovative, independent, and externally funded, research program of the highest international calibre.

How to Apply

For more details and instructions on how to apply, visit <http://apply.interfolio.com/118539>. Applications should be submitted via Interfolio before **January 31, 2023**. The search will remain open until a suitable candidate is identified. The anticipated start date is September 1, 2023, or a date to be mutually agreed upon.