



Principal Investigator in Population Health Data Science (Two Positions)

Position Summary

The [Lunenfeld-Tanenbaum Research Institute](#) (LTRI) of [Sinai Health](#), a University of Toronto-affiliated research institute, is seeking two emerging leaders in the broad area of **Population Health Data Science**. The appointments will be for Full-Time Principal Investigators, rank equivalent to Assistant or Associate Professors. The LTRI provides competitive start-up packages and salaries, commensurate with experience.

We seek applicants who will develop independent, outstanding and innovative Population Health Data Science research programs. We will consider applicants spanning all areas of Population Health Data Science, including complex disease epidemiology, infectious disease research, risk prediction modeling, population and medical data linkage, geospatial data mining, multi-omics data integration, and artificial intelligence (AI) applications in health sciences, such as causal machine learning, deep learning for medical imaging, generative AI and more. The positions are open to both those who are specialized in methodological development, as well as those focused on innovative applications to impactful population health issues. The health topics include but are not limited to perinatal and maternal-child health, cancers, cardiometabolic conditions, autoimmune diseases and other complex health issues

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. The LTRI is dedicated to excellence in health research and the development of early-career investigators. Within the LTRI, the [Prosserman Centre for Population Health Research](#) includes a group of multi-disciplinary scientists focusing on quantitative research of complex diseases, including precision health and multi-omics integration based on large-scale cohorts and biobank data. The Institute provides a research-intensive environment with modern and innovative core facilities, including high-performance computing clusters, biobanking, next-gen sequencing, and a designated Research Trainee Centre.

The Investigators will be cross-appointed at the [University of Toronto](#) in the academic departments best aligned with the candidate's background and research topic. The investigator will be integrated into the large network of data scientists affiliated with the [Data Sciences Institute](#) at the University of Toronto and the greater Toronto research ecosystem. Lunenfeld-Tanenbaum Research Institute research groups engage in productive collaborations with the larger University of Toronto community, as well as national and international networks. The University of Toronto has one of the most concentrated biomedical research communities in the world, and notably home to the Toronto Academic Health Science Network ([TAHSN](#)). 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 or additional research 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. 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 <https://apply.interfolio.com/172529>

Applications should be submitted via Interfolio before **October 20, 2025**. The search will remain open until a suitable candidate is identified. The anticipated start date is September 1, 2026, or a date to be mutually agreed upon.



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