

Postdoctoral, Whole Person and Population Modeling

Krembil Centre for Neuroinformatics
Centre for Addiction and Mental Health (CAMH)
University of Toronto

We are currently seeking a talented postdoctoral research fellow to join the Whole Person Modeling group in the new, state-of-the-art Krembil Centre for Neuroinformatics at CAMH. The position is fully affiliated with the University of Toronto and under the supervision of Dr. Daniel Felsky (www.felskylab.com).

The successful applicant will develop and apply cutting edge **computational and statistical approaches** to multi-modal analyses of **large, population-level datasets**. Our goal is to develop and apply new methodologies to **integrate data types** using machine learning (including multi-scale genomic, neuroimaging, fluid biomarker, socio-demographic, environmental, cognitive, and clinical information) which facilitate A) the discovery of fundamental mechanisms of mental illness across the lifespan and B) the development precision tools to assist in medical decision making.

Some current research activities include: gene x environment interactions in late-life cognitive decline, stratified polygenic modeling of human traits, prediction of treatment response in major depressive disorder, and network-based integration and visualization of multi-'omic data types.

CAMH is a world-leading psychiatric research hospital located near the vibrant Kensington Market neighborhood in downtown Toronto. Our Centre values diversity and respect in the workplace, and supports a high quality and positive learning environment for all trainees.

Funds are available for at least two years of competitive salary. Start date will be decided based on the successful applicant's availability. Due to extenuating circumstances related to the ongoing COVID-19 pandemic, arrangements may be made to facilitate remote work until we are able to resume regular research activities.

For more information, please email daniel.felsky@camh.ca, including your CV and a statement of research interests.