

# camh | Krembil Centre for Neuroinformatics

## Scientific Director, The Krembil Centre for Neuroinformatics Centre for Addiction and Mental Health

*The Centre for Addiction and Mental Health (CAMH) is Canada's largest mental health teaching hospital and one of the world's leading research centres in its field. CAMH is fully affiliated with the University of Toronto and is a Pan American Health Organization/World Health Organization Collaborating Centre.*

*With a dedicated staff of more than 4,000 physicians, clinicians, researchers, educators and support staff, CAMH offers outstanding clinical care to more than 38,000 patients each year. The organization conducts ground breaking research, provides expert training to health care professionals and scientists, develops innovative health promotion and prevention strategies, and advocates on public policy issues at all levels of government. And through our Foundation, we're working to raise tens of millions of additional dollars to fund new programs and research and augment services.*

*The Krembil Centre for Neuroinformatics (KCNI) at CAMH is harnessing the power of high –performance computing to make sense of the massive amounts of complex data generated from brain research and clinical care. Our Centre collaborates globally to collect and integrate large-scale brain research data as well as clinical data, apply machine learning and mathematical models to develop multiscale computational models that can transform our understanding of brain disorders. The Centre and its world-leading specialists are transforming the understanding of mental health, as well as serving as a data science facility for the entire institution.*

*The team at the Krembil Centre for Neuroinformatics comprises of close to 100 scientists, fellows, students and technical staff. The Center leverages data and analytics technologies, to advance personalized medicine to change the world. With CAMH's unique position as a data-driven organization and Canada's leading mental health research hospital, the Krembil Centre is taking a unique approach to brain science and the active translation of discoveries into care delivery. Our world-leading specialists are organizing, integrating, analyzing, visualizing and modelling data across all levels for the brain.*

*Our Centre is designed to foster collaboration, spark conversations and drive convergence. Our team employs machine learning artificial intelligence and computational modeling to integrate and analyze data across brain-health scales, including genomics, proteomics, electrophysiology, imaging, mobile and wearables, demographics, clinical and environmental data. Teams collaboratively conduct multi-scale modelling studies to bridge the various levels of structure and function in the brain—from genes to circuits to behaviour. Our Centre also has taken on a leadership role in building the Brain Health Databank, an institutional data repository that has the potential to transform mental health care via large-scale data analyses, and integration into the electronic health record.*

This is an exceptional scientific leadership opportunity to lead the Centre and the next set of fundamental discoveries in brain research and mental health. As Scientific Director, you will continue to shape the bold, global vision for the Centre that leverages the computational and analytical assets, and strengths of CAMH, the University of Toronto, and the Canadian and international neuroscience and data science communities. You are a leader who fosters diversity, equity and inclusion in all your work and through strong communication and interpersonal skills. You will lead and inspire a team of scientists and operational support staff, and champion excellence through local, national and international collaborations.

As the ideal candidate, you are an internationally respected leader in neuroinformatics, bioinformatics, computational biology, artificial intelligence, computational modelling, statistical genetics, neuroimaging or a related field who has had great success in forming multi-centre collaborations and significant experience working with biological and clinical data in the context of brain-based disorders.

To pursue this incredible opportunity, please contact Pamela Colquhoun, Partner via Kathy Luu, Associate at [kluu@boyden.com](mailto:kluu@boyden.com).