

## Post-doc Fellowship in Dementia and Depression

The Temerty Faculty of Medicine at the University of Toronto via a collaboration between the Tanz Centre for Research in Neurodegenerative Diseases and the Toronto Dementia Research Alliance (TDRA) is offering a Post-Doc Fellowship with a focus on the interaction between dementia and depression.

This innovative fellowship has been designed to address an emerging need to explore the links between depression and dementia through an interdisciplinary lens and a collaborative approach. The Post-Doc Fellowship will provide successful trainees with an integrated, cross-disciplinary perspective to approach the clinical and basic research questions situated in this area.

The University of Toronto offers the ideal environment for such training given the breadth of expertise represented across brain diseases. The successful fellows will have the opportunity to work alongside internationally renowned mentors and gain experience using cutting-edge clinical and bench-side research methods and technologies, including advanced neuroimaging, neuro-interventions, neuromodulation, genetics, fluid biomarkers, advanced clinical trials, and preclinical research.

This opportunity aims to provide its fellows with transdisciplinary competencies that complement their doctorate training.

Trainees will develop their research focus under a collaborative mentorship of experts in the field from the Tanz Centre for Research in Neurodegenerative Diseases and TDRA sites (*i.e.*, Baycrest, Centre for Addiction and Mental Health (CAMH), Ontario Shores Centre for Mental Health Sciences, Sunnybrook Health Science Centre, and University Health Network) as they work toward becoming independent investigators. Fellows will be recruited to focus on preclinical research or on clinical and translational research.

*Potential areas of research focus within the area of depression and dementia include:*

- Cognitive and sensory information processing
- Drug discovery
- Microglia
- Neuroplasticity
- Imaging
- Neurotechnology (e.g. TMS, tDCS, tACS, DBS, Focused Ultrasound)
- Peripheral biomarkers
- Stress
- Common underlying mechanisms of neurodegenerative disease
- Clinical phenotyping and trials

### Eligibility

Applicants must:

- Hold a PhD, be in the final year of obtaining the PhD, **OR** be in the first or second year of a post-doctoral fellowship

### Selection Process

The Selection Panel is led by the Directors of the Tanz Centre for Research in Neurodegenerative Diseases (Dr. Graham Collingridge) and the Toronto Dementia Research Alliance (Dr. Tarek



Rajji), along with a committee guided by the principles of excellence, equity, diversity and inclusion.

### **Funding**

The successful applicant will receive an individualized competitive remuneration package based on qualification and experience, and a generous research stipend.

### **Length of Fellowship**

2-3 years

**Any interested applicants should send an updated CV and a one-page statement indicating their interest in dementia and depression research. Also, please supply the names and contact information for three referees.**

**Please send your application to [tdra@utoronto.ca](mailto:tdra@utoronto.ca). Please include “Post-Doc Fellowship in Dementia and Depression” in the subject of your email.**

**After an initial review, you may be invited to a virtual interview.**

**If you want more information, please contact Winnie Qian at [Winnie.qian@camh.ca](mailto:Winnie.qian@camh.ca).**