

Founded in 1827, the University of Toronto is Canada's top university known for challenging the impossible and transforming society through research and innovation. The university brings together top minds from diverse backgrounds to collaborate on global challenges, preparing students for success through a commitment to inclusive excellence.

Role Description

This is a full-time on-site role for a Postdoctoral Researcher at the University of Toronto in Toronto, ON. The Postdoctoral Researcher will be supervised by **Dr. Carmela Tartaglia** at the Centre for Research in Neurodegenerative diseases. The successful applicant will have a strong multi-modal imaging background that can be combined with behavioral/psychological, biofluid and genetics data. Their work will focus on furthering understanding of the effect of repetitive head injury in former professional athletes at risk of neurodegenerative disease. The fellow will further have the opportunity to develop other projects depending on their skills, interests, and the interaction with other lab members. The fellowship will start in the **Fall/Winter of 2025** and offers ample opportunity for collaborations both within the institute and with other researchers in Toronto. The application deadline is Nov 25, 2024.

Responsibilities Include But Are Not Limited To

- Experimental design, data collection and analysis, manuscript preparation
- Multimodal image analysis
- Data analysis using advanced, multivariate statistical tools
- Dissemination of research results (e.g., publications, conferences, public outreach)

Qualifications Include But Are Not Limited To

- PhD or equivalent degree in psychology, cognitive neuroscience, or similar
- Advanced quantitative and computer skills, including the ability to use Matlab, Python, or any other programming language that enables experiment design and data analysis

- Working knowledge of neuroimaging software: FSL, FreeSurfer, SPM,
- Experience with MRI data collection and analysis
- Effective oral and written communication skills

Application Guidelines

All individuals interested in conducting exciting research to understand how concussions affect the brain and increase risk of neurodegenerative disease are encouraged to apply. We are committed to employment equity and diversity in the workplace and welcome applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, persons of any gender identity or gender expression, or any other aspect which makes them unique.

Main application (single pdf; YY_21-0493_main.pdf) emailed to carmela.tartaglia@uhn.ca:

A brief cover letter (half a page to a page) describing your interest in the lab; please also comment on a potential starting date

A detailed curriculum vitae

One selected publication or pre-print

Two names and contact information of references who can be contacted, including the PhD advisor