

**Tenure-stream faculty position in Computational Neuroscience and Quantitative Methods,
Department of Psychology, Faculty of Health, York University**

The [Department of Psychology](#) at [York University](#) invites applications for a professorial stream tenure-track appointment in **Computational Neuroscience and Quantitative Methods** at the Assistant or Associate Professor level, to commence July 1, 2023. Salary will be commensurate with qualifications and experience. All York University positions are subject to budgetary approval.

Candidates should have a PhD by the start of the appointment and a strong research record demonstrating research excellence in computational neuroscience with application to visual perception, broadly defined. We welcome applicants with expertise in applying computational methodologies (e.g., big data analytics, supervised and unsupervised deep models, reinforcement learning, dynamical systems, Bayesian models, and information theoretic approaches) to diverse forms of visual neuroscience data, (e.g., behavioural, fMRI, EEG, single-unit or multi-unit recordings). Candidates must provide evidence of research excellence or promise of research excellence consistent with their disciplinary training and rank as demonstrated through the following: the research statement; a record of publications (or forthcoming publications) with significant journals in the field; presentations at major conferences; awards and accolades; and strong recommendations from referees. Applicants should have a clearly articulated program of research. The successful applicant is expected to develop and maintain an active program of scholarship in computational neuroscience and quantitative methods, with a commitment to securing external funding for their research and collaborating within the department and the broader York community.

This position is a key part of York's strategy to accelerate its progress toward being recognized nationally and internationally as a top comprehensive, research-intensive university. This is a research-enhanced faculty position partially funded by the Canada First Research Excellence Fund [VISTA](#) (Vision: Science to Applications) program. The successful candidate will engage with, and benefit from, the VISTA program, which focuses on the intersection between biological and computational vision research. The VISTA program is supported by a total of \$120 million in funding over seven years. The successful candidate will be eligible for enhanced start-up funds from VISTA. A key faculty resource includes access to a state-of-the-art MRI facility dedicated to research.

This appointment will also involve teaching in quantitative methods and computational neuroscience (e.g., data science, research methods, longitudinal data analysis, computational methods for statistical modeling, and computational/theoretical neuroscience) as well as research training in the Psychology department and inter-Faculty Neuroscience programs at both undergraduate and graduate levels.

Evidence of excellence or promise of excellence in teaching will be provided through: a teaching statement that articulates teaching philosophy and documents teaching accomplishments and pedagogical innovations, including curricular development and in high priority areas such as experiential education and technology enhanced learning; teaching evaluations; and letters of reference. The successful candidate must be eligible for appointment as a Full member of the Faculty of Graduate Studies. The incumbent will also be expected to contribute through service to the Department, Faculty, and University.

York is a leading international teaching and research university, and a driving force for positive change. Empowered by a welcoming and diverse community with a uniquely global perspective, we are preparing our students for their long-term careers and personal success. Together, we can make things right for our communities, our planet and our future

York's Psychology Department is comprised of 87 full-time faculty members and offers multiple undergraduate, Master's and PhD programs, with specializations in Brain, Behaviour and Cognitive Science, Clinical Psychology, Clinical Neuropsychology, Clinical Developmental Psychology, Developmental Science, Historical, Theoretical and Critical Studies in Psychology, Quantitative Methods, and Social and Personality.

York University has a policy on [Accommodation in Employment for Persons with Disabilities](#) and is committed to working towards a barrier-free workplace and to expanding the accessibility of the workplace to persons with disabilities. Candidates who require accommodation during the selection process are invited to contact Dr. Jennifer Connolly, Chair – Department of Psychology at psychair@yorku.ca.

York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA Program, which applies to women, members of racialized groups, Indigenous peoples, persons with disabilities, and those who self-identify as 2SLGBTQ+, can be found at <http://acadjobs.info.yorku.ca/> or by calling the AA line at 416-736-5713. Applicants wishing to self-identify as part of York University's Affirmative Action program can do so by downloading, completing and submitting [this voluntary self-identification form](#).

All qualified candidates are encouraged to apply; however, Canadian citizens, permanent residents, and Indigenous peoples in Canada will be given priority. No application will be considered without a completed mandatory [Work Status Declaration](#) form.

Applicants should prepare one combined PDF file (please specify the title of the position in the subject line of your email and in any correspondence) containing, in the following order: 1) a statement of research interests; 2) a statement of teaching interests; 3) an up-to-date curriculum vitae; 4) the names and contact information for three referees (reference letters will only be requested for shortlisted candidates); 5) teaching evaluations (if available); and 6) three representative research publications. This file should be sent to psycjobs@yorku.ca no later than **November 15, 2022**. All requested information must be submitted for the application to be considered.