Post-Doctoral Position Available in Epistemic Community and Open Science Practices:

A full-time postdoctoral position under the supervision of the Philosopher of Neuroscience, Jacqueline Sullivan is available beginning no later than September 1st, 2023. Dr. Sullivan is seeking a highly motivated candidate with a PhD in Social Science, Psychology, or related field and who is interested in advancing neuroscience research by engaging with the research community to improve open science practices. The successful candidate will have demonstrated expertise in mixed-methods qualitative research including qualitative interviewing and survey development.

The position is funded through a grant from Brain Canada obtained by Lisa Saksida, co-director of the Translational Cognitive Neuroscience Lab and one of the Women's Executive Network (WXN) Top 100, and a Fellow of the Royal Society of Canada and the Canadian Academy of Health Sciences. The successful applicant will become a part of the Mouse Translational Research Accelerator Platform (MouseTRAP), co-directed by Dr. Tim Bussey (Fellow of the Canadian Academy of Health Sciences and co-director of the TCNLab), and Marco Prado. This position offers a competitive salary ranging from **$45,000-60,000 (+benefits, see here)** per year along with excellent career development opportunities both within academia and industry.

This role will help identify barriers to Open Science practices related to use of the first ever open-access repository for rodent translational research (MouseBytes). This repository was developed by MouseTRAP, a unique platform that directly addresses the urgent and critical challenge to translate neurocognitive discovery research in mouse models toward improvements in human health. It is centred on a touchscreen-based cognitive testing system for mice that enables flexible presentation of comprehensive test batteries involving visual stimuli at any location on a screen, as is increasingly done in human patient testing. Mice respond directly to the stimuli with their nose and positive reinforcers such as strawberry milkshake are delivered for correct choices. We have developed over 30 touchscreen tests for mice that tap into disease-relevant aspects of high-level cognition including attention, memory, executive function and motivation. MouseTRAP pairs these touchscreen-based cognitive tests with cutting-edge technologies to record or manipulate neuronal, glial or neurochemical activity, which makes it possible to match—millisecond by millisecond—what is happening in the brain with human-relevant cognitive performance. This can be done in healthy mice or in our extensive catalogue of next-generation disease models, making MouseTRAP a *state-of-the-art platform for assessment of robust, reproducible and human-relevant cognitive outcomes in mouse models, for either fundamental discovery research or development of evidence-based therapeutic interventions.*

The role will also develop strategies for eliminating challenges to the use of MouseBytes, with the aim of increasing international uptake in the repository and thereby propelling translational research forward. The successful candidate will also have excellent opportunities to interact with researchers and core facilities funded by Western's Canada First Research Excellence Fund program in cognitive neuroscience, BrainsCAN. They also have professional development opportunities and access to a competitive benefits package (see here). The postdoctoral fellow will conduct mixed-methods qualitative research (e.g., surveys/questionnaires, semi-structured interviews) on Open Science practices surrounding MouseBytes and. The repository is the first of its kind to facilitate data availability, transparency, and reproducibility within the rodent behavioral community.

This position will be held at Robarts, one of the premier research institutes in Canada with a vibrant research community and many opportunities for collaborations. The University of Western Ontario (www.uwo.ca) is a major educational and research center in Ontario with over 25,000 undergraduate and 5,000 graduate students. Cognitive neuroscience in health and disease is a major research focus at Western. London, also known as the Forest City, is an affordable and lively community close to the Great Lakes and two hours from Toronto. The city offers many options for outdoor and cultural activities.

Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

Please direct specific inquiries about duties related to the position to Dr. Jacqueline Sullivan, jsulli29@uwo.ca. Please send application materials (statement of interest, *Curriculum Vitae*, and the names and contact information of at least two references) directly to Dr. Nicole Gervais, ngervai2@uwo.ca.