Research Associate

The UBC Department of Psychiatry is inviting eligible candidates to apply for a full-time Research Associate in Neuroscience.

We seek a research associate in neuroscience and holds an MD and/or PhD with a specialization in functional brain disorders. Research interests are in mapping and discovering the neural circuits that underlie health and brain disorders. Understanding the neural basis of brain functions would help us find effective treatments for neuropsychiatric or neurological diseases. The individuals’ research may involve integrating techniques such as functional imaging, electrophysiology, and optogenetic stimulation to probe and manipulate the complex brain information flow in transgenic mice during sensorimotor processing. There is also a data analysis component: developing neuroscience-inspired AI and employing AI to automate exploratory mining of rich neural and video datasets, discovering brain spatiotemporal activity patterns associated with a specific sensory or motor function. The research associate will report to the principle investigator and would also be involved with partial supervision of students and technicians.

Successful candidates will be able to work independently in the field of brain circuits and their functional and structural connectivity as related to disorders of the nervous system. It is anticipated that they will also be able to work with animals and will have a valid UBC surgery certification. Training in neuroscience at the PHD level or MD is a requirement. The successful applicant is expected to publish their work in original communications in leading neuroscience journals.

The anticipated start date is January 1, 2023. This is a 1-year appointment subject to annual renewal. Salary will be commensurate with qualifications and experience. This position will operate out of the Djavad Mowafaghian Centre for Brain Health.

Department of Psychiatry

A letter of application, accompanied by a detailed curriculum vitae and names of three references, should be directed to:

Dr. Timothy Murphy

Closing date: December 23, 2022

Anticipated starting date of this position: January 1, 2023.

The University of British Columbia (UBC) is a global centre for research and teaching. Surrounded by the beauty of the Canadian West, UBC embraces bold new ways of thinking that attract exceptional students and faculty. It is a place where innovative ideas are nurtured in a globally connected research community, providing unparalleled opportunities to learn, discover and contribute.

Faculty members, students, staff and alumni in the UBC Faculty of Medicine are actively engaged in innovative, leading edge research, education and community service on university and hospital campuses across the Province. Together we aim to create knowledge and advance learning that will make a vital contribution to the health of individuals and communities, locally, nationally, and internationally.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.

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