

## Post Doctoral Fellow

A Post Doctoral Fellow position is available in the Djavad Mowafaghian Centre for Brain Health, within the Department of Psychiatry at the University of British Columbia. The Post-Doctoral candidate will develop/design, implement and publish research studies on the cellular and molecular processes associated with Alzheimer's disease (AD). Methods of research including but not limited to: acute brain tissue harvesting and studies on brain slices in vitro, in-vivo electrophysiology paired with 2- and 3-photon laser scanning microscopy, patch clamping, and fluorescent lifetime imaging (FLIM), genetically encoded sensor imaging, expansion microscopy, virus based gene delivery, surgery based experiments, tissue culture and immunohistochemistry. The candidate will have a strong teaching role for graduate, undergraduate and co-op students.

This position is a collaborative position, working with two neuroscience labs. The position requires a strong research background in neuroscience and neuroscience techniques, such as electrophysiology, tissue culture, expansion microscopy, confocal imaging, 2-photon imaging, and analysis of related data. Some non-lab work may be done remotely dependent on current Covid-19 university, department, and centre guidelines.

Applicants must have a PhD in the field neuroscience, with proven skills electrophysiology (such as patch clamping) used and the understanding of AD disease models and/or other degenerative disease related neuronal processes, surgical skills, tissue culture, strong analysis skills, an asset, ability to work professionally with colleagues, donors, and staff, and compliance with approved procedures and ethics regulations, publications in the area are an asset.

The anticipated start date is August 1, 2021. This is a Twelve-month appointment subject to annual renewal. Salary will be commensurate with qualifications and experience.

## Department of Psychiatry

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

**Dr. Brian MacVicar C/o  
Katherine Rhodes  
krhodes@brain.ubc.ca**

Professor University of British  
Columbia 2215 Wesbrook Mall  
Vancouver, BC V6T 1Z3

Closing date: June 26 2021

Anticipated starting date of this position:  
June 2021

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.

*UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. UBC is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of any sexual orientation or gender identity, and others who may contribute to the further diversification of ideas. However, Canadian and permanent residents of Canada will be given priority.*

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