A Research Associate position is available within the Department of Psychiatry, UBC, to work in a research group which focuses on investigating molecular and cellular mechanisms underlying the development of Alzheimer’s disease and dementia. The successful applicant will have appropriate technical skills and an extensive track record of research accomplishments in molecular neurodegeneration.

Applicants must have a PhD and at least 4 years postdoctoral training in neuroscience, with a specialization in acute slice and vitro electrophysiology, two photon microscopy and fluorescent lifetime imaging (FLIM), experience with subcellular mechanisms of neuronal swelling during cerebral edema, chloride dynamics that underlie cell volume control, and studying pathological chloride microdomains in other neurological disorders such as Alzheimer’s Disease and Dementia. The applicant should have a strong publication record and a proven track record of collaborative research.

Specific responsibilities will include: 1) Plan, design and conduct independent, individual research projects using two-photon microscopy, electrophysiology, and tissue culture using transgenic and knockout constructs and rodent models; 2) publishing experiments in peer-reviewed journals; 3) teaching and mentoring graduate and undergraduate students, and research assistants, and 4) establishing new lines of research that build on and extend the goals of the lab.

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

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: April 23, 2021
Anticipated starting date of this position: July 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.

psychiatry.ubc.ca & med.ubc.ca