

Postdoctoral Research Opportunity in Molecular Neuroscience

The Centre for Addiction and Mental Health (CAMH) is Canada's largest mental health and addiction teaching hospital, as well as one of the world's leading research centres in the area of addiction and mental health. As Canada's leading mental illness research facility, CAMH's Campbell Family Mental Health Research Institute (CFMHRI) is home to scientists, staff and research trainees conducting leading research to improve the understanding of the brain and the causes, the biomarkers and cures for mental illness as well as research to advance the prevention and treatment for mental illness and addictions across the lifespan.

Employer

Dr. Fang Liu, CAMH, University of Toronto, Toronto, ON Canada

Job Description

Multiple postdoctoral positions are available in the Dr. Fang Liu's lab. Our lab focuses on studying the role of protein-protein interaction, especially related to neurotransmitter receptors and mental illness. We specialize in engineering custom interfering peptides to disrupt protein-protein interactions in vivo (Su et al., Mol Psychiatry. 2024; Zhai et al., Sci. Adv. 2023). Our approach relies on techniques in biochemistry, coimmunoprecipitation, cell culture, rodent models (mice and rats), behavioural testing, immunohistochemistry, immunocytochemistry, and histology with access to more specialized techniques such as flow cytometry, mass spec and electron microscopy among others. We are looking for candidates with an interest in neuroscience and a background in biochemistry, microscopy, neuronal culture, animal neurobehaviour, and/or other related techniques.

Qualifications

- PhD with 2-4 years of training in Neuroscience, Molecular/Cell Biology, Pharmacology, and/or a related field.
- Experience in some combination of: experimental (mouse/rat) models of mental illness, behavioural testing, molecular biology techniques, coimmunoprecipitation, primary cell culture, immunohistochemistry, quantitative microscopy, confocal/two-photon microscopy, and/or protein analysis is desired.

Salary

Salary offered is competitive with postdoctoral positions in Canada.

To Apply

Interested candidates can forward their applications to our lab manager at Anlong.Jiang@camh.ca.

Please include:

- Cover letter describing your research experience and interests
- CV emphasizing relevant research experience and past publications
- Contact information for 2 references