Postdoctoral research opportunity in molecular neuroscience

Centre for Addiction and Mental Health
Toronto, Canada

KEY WORDS: Neuroscience, Molecular Neuroscience, Protein Interaction, Mental Illness

Employer
Dr. Fang Liu, Centre for Addiction and Mental Health (CAMH), University of Toronto Toronto, Canada

Job Description
Multiple postdoctoral positions are available in the lab of Dr. Fang Liu at the Centre for Addiction and Mental Health, University of Toronto, located in Toronto, Canada. 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., 2014 Neuron; Li et al., 2020 JCI). Our approach relies on techniques in biochemistry, coimmunoprecipation, 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, animal neurobehaviour, microscopy, neuronal culture, 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, coimmunoprecipation, 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 and CV emphasizing relevant research experience and past publications, contact information for 2 references.