



McGill

Laboratory Of Cellular And Molecular Neuroscience

Graduate Student/Postdoctoral Positions on Neurodevelopmental Disorders

Two positions are available immediately for enthusiastic graduate students/postdoctoral fellows with a keen interest in using patch clamp electrophysiology and imaging techniques to study the synaptic and neuronal circuit behavior in two rodent models of neurodevelopmental disorders.

The projects will examine the synaptic and electrical signaling deficits in mouse models of Fragile X syndrome and SynGAP1-related intellectual disability. The projects will also examine the efficacy of a novel drug therapy developed in the lab for the treatment of each of these disorders. The successful applicant will study neuronal circuit connectivity using single and multi-electrode recordings from acutely isolated brain tissue. Imaging and functional experiments will be collected simultaneously using a multiphoton microscope equipped with an electrophysiology rig.

The Bowie lab has an established history in mentoring and training top-class graduate students and postdoctoral fellows who have gone on to tenured professor positions in academia as well as holding leadership positions in the pharma industry and biotech startup community. The lab alumni therefore form a large network of former trainees for anyone interested in following these aspirations as career choices.

Student stipends will be based on the policy recommendations of individual McGill Graduate Programs. Postdoctoral salaries will be based on CIHR recommendations and level of experience

McGill University is one of Canada's leading post-secondary institutions with the main campus located in the heart of the lively downtown area of Montreal. McGill attracts students and researchers from more than 150 countries around the world. Almost half of McGill students claim a first language other than English with more than 6,800 international students making up almost 20 per cent of the student body.

For further information please contact:

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