

Master's Research Internship (10–12 Months)**Granger Lab & Sheng Lab****Stanley Center for Psychiatric Research, Broad Institute of MIT and Harvard**

Granger lab/Sheng lab at Stanley Center for Psychiatric Research, Broad Institute, is looking for a master student for a 10–12-month internship. The intern will be under direct mentorship of Dr. Yang Ge, a joint postdoctoral fellow in labs lead by Dr. Morgan Sheng, co-director of Stanley Center and Dr. Adam Granger, group leader in Stanley Center.

The project aims to understanding the brain circuit level mechanisms underlying bipolar disorder using a genetic mouse model. Specifically, we investigate how dopamine and cholinergic signaling in the striatum are dysregulated this mouse model and how/whether antipsychotics and mood stabilizers can restore those dysfunctions. The intern will have the opportunity to gain hands-on experience with cutting-edge neuroscience techniques including mouse behavioral modeling, stereotaxic surgery, fluorescent lifetime fiber photometry, computational data analysis and modeling.

Intern is expected to be comfortable working with mice. Previous training/experience of handling rodents or performing rodent behavioral experiment is preferred. Experience coding in python and MATLAB is preferred. The intern is expected to work effectively in a team-oriented environment, have good attention to detail, and be curious about neurobiology of psychiatric diseases. The internship is designed to provide rigorous research training and offers the opportunity to contribute to projects with the potential for conference presentations and scientific publications.

Please send you resume/CV and a brief statement (1-2 paragraphs describing your experiences and research interests) to Dr. Yang Ge at ge@broadinstitute.org