ADM
INISTRATIVE POSITION ANNOUNC
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TITLE OF POSITION/RANK: Research Support Assistant (Grant-Funded)
One-Year Term Position (with the possibility of renewal for a second year pending fund availability).

DEPARTMENT: Biology, Rose Hill

Description:
The Research Support Assistant will conduct and assist in experiments aimed at understanding the neurobiological mechanisms underlying psychiatric disorders using the mouse as a model system. The lab uses a variety of experimental approaches, including electrophysiology, fiber photometry, optogenetics, quantitative behavioral analysis, and fluorescence microscopy.

We are interested in hiring a proactive individual who is willing to learn new experimental approaches and is eager to support current lab operations. The successful applicant will have opportunities to conduct experiments and participate in the intellectual environment of the lab and the department.

RESPONSIBILITIES:

- Conduct transgenic mouse colony maintenance, including breeding and genotyping.
- Perform stereotaxic surgical procedures on mice.
- Perform drug administration and postsurgical care.
- Execute behavioral assays of mouse behavior, including motor function, motivation, food intake, and drug reward.
- Process brain tissue for immunohistochemical analysis.
- Acquire, process, and perform quantification of images obtained by fluorescence microscopy.
- Analyze data using statistical techniques and software.
- Perform molecular biology procedures such as nucleic acid extraction, conventional PCR and real-time PCR, expression vector subcloning, Western Blot.
- Prepare buffers and solutions for experiments.
- Assist with ordering of lab supplies, maintain inventory of reagents and supplies.
- Keep detailed records, report, and discuss progress of work regularly with project supervisor and Principal Investigator.
- Facilitate lab compliance with institutional policies focused on lab safety and animal care.
QUALIFICATIONS:

- Bachelor’s Degree in a biological science.
- Minimum six (6) months experience in the handling of laboratory mice.
- Experience in mouse behavioral testing is preferred.
- Experience in a research lab focused on brain circuit-based analysis of behavior; i.e. stereotaxic surgeries, viral expression of proteins of interest, behavioral analysis, immunohistochemistry, fluorescence microscopy is preferred.
- Experience in a research lab with molecular biological, cellular and biochemical analysis. I.e. PCR, subcloning, Western blotting, is preferred.
- STEM background and an interest in neuroscience required.
- Demonstrated ability to work independently on a research project.
- Proficiency in use of Microsoft Office, particularly Excel and Powerpoint.
- Familiarity with Photoshop, Matlab and MedPC is preferred.
- The successful candidate will be a highly motivated, organized, hard-working, and enthusiastic contributor to an active and fun intellectual environment.
- Must have strong people skills.
- Must be willing to mentor students.
- The successful candidate will also be flexible, able to multi-task, possess excellent organizational and communication skills and take pride in providing top-quality service to the lab’s team-oriented efforts.

SALARY: Commensurate with experience

FLSA CATEGORY: Non-Exempt

START DATE: ASAP

SEND LETTER AND RESUME: Dr. Eduardo Gallo
Egallo4@fordham.edu

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