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Job Title	Laboratory Technician
PVN ID	HC-2205-004772
Category	Research
Location	HUNTER COLLEGE
Department	Biology
Status	Full Time
Annual Salary	\$39,000.00 - \$50,000.00
Hour(s) a Week	35
Closing Date	Jul 06, 2022 (Or Until Filled)

## General Description

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**Lab Technician Position Available:** The Likhtik Lab is seeking a Lab Technician to study cellular and molecular changes in the brain during learning, and to help run the daily operations of the lab. We are a growing, dynamic, and supportive team at Hunter College (City University of New York) studying neural and glial functions that define cross-regional communication patterns during learning and memory. We use animal models to probe changes that occur as a function of stress and anxiety, including altered communication patterns, changes in cellular activity, and molecular expression. Our techniques span *in-vivo* electrophysiology during behavior, circuit manipulation techniques (e.g. optogenetics, pharmacology), neuroanatomical tracing, molecular analysis (e.g. qPCR, RNA Scope), immunohistochemistry, image analysis, and other tools to further our understanding of neural computations associated with learning. We are interdisciplinary, collaborative and interested in translational neuroscience. The lab is located at Hunter College in the heart of New York City, a senior college at the largest public urban university in the US. Hunter is a culturally diverse school that prides itself on contributing to academic excellence and social mobility.

There are many opportunities to contribute to the intellectual environment, to attend seminars, and to present at national meetings.

[www.likhtiklab.com](http://www.likhtiklab.com)

## Other Duties

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**Principal Duties:** Under the guidance of the Principal Investigator, the Lab Technician will wear two hats, one in managing day-to-day operations (35%), and the other in research (65%):

*Lab Management:*

- ordering lab supplies
- animal colony management

- invoicing
- student training

*Research:*

- immunohistochemistry & histology
- confocal microscopy
- transcardial perfusions, brain punches
- stereotaxic surgery
- troubleshooting equipment
- assistance in preparation of figures, posters, manuscripts

## Qualifications

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**Education:** • Bachelor's degree required.

**Skills and Competencies Required** • Attention to detail. • Ability to work independently and as part of a team. • Good interpersonal skills. • Excellent oral and written communication skills. • Strong analytical skills. • Intellectual independence and initiative • Demonstrated initiative to meet challenges as they emerge. Ability to prioritize and organize work responsibilities to meet deadlines. • Demonstrated proficiency with at least one of the following: stereotaxic surgery, immunohistochemistry, microscopy, animal behavior, electrophysiology. Demonstrated proficiency with MATLAB and/or Python is a plus.

**Experience:** • One of year of relevant laboratory or scientific experience. The ideal candidate is a recent graduate in biology, neuroscience, computer science, biomedical engineering or related field with a strong interest in neuroscience. The candidate may want to go to graduate school, and would use this position as a stepping-stone to a future path. Preference will be given to those individuals who are able to fulfill a two-year commitment.