



## Research Assistant

### VAZIRI LAB

Laboratory of Neurotechnology and Biophysics

The Rockefeller University, New York, NY

[www.vaziri.rockefeller.edu](http://www.vaziri.rockefeller.edu)

#### What We Do

We are an interdisciplinary group of physicists, engineers, and neuroscientists. Our laboratory has pioneered optical technologies that allow near-simultaneous stimulation and recording of neuronal activity in the whole-brain at cellular resolution in various model organisms. Using these tools, we are in the process of discovering the underlying principle of some of the most fundamental questions about the brain: How does the brain process sensory information? What is the neuronal basis of behavior? How does the brain make decisions?

#### Responsibilities

The development of our advanced neuroimaging technologies critically hinges on the use, development and application of new molecular tools, surgical procedures, and behavioral paradigms in rodent models. We are looking for a highly organized, detail oriented and self-motivated individual to join an intellectually stimulating high-end scientific research environment as a Research Assistant working closely with a small team of highly passionate scientists. The Research Assistant will play a critical role to success of multiple research projects and the implementation and biological applications of different neuro-imaging technologies by supporting projects with different surgical procedures in rodents, managing animal colonies and implanting behavioral paradigms in rodent models.

#### Qualifications

- Bachelor's degree in **neuroscience**, (molecular) biology, or related field
- Must be **highly organized**, detail-oriented and self-motivated with excellent time management and be able to manage multiple tasks
- Excellent communication skills
- Must have basic knowledge of rodent neuroanatomy and previous lab experience with rodents including **cranial window surgery** and/or work with viral delivery of constructs
- Basic knowledge and hands on experience with molecular biology work including cloning, plasmid design and sequencing would be highly desirable
- Previous experience with rodent behavior or managing a colony would be desirable
- Experience with two-photon in vivo microscopy would be desirable

Interested candidates should send a cover letter, their CV including any publications, copy of their transcripts and the contact information of two references [vaziradmin@rockefeller.edu](mailto:vaziradmin@rockefeller.edu). For more information and to see our list of open positions, please visit our website at [www.vaziri.rockefeller.edu](http://www.vaziri.rockefeller.edu).

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