

RESEARCH SCIENTIST

The Department of Neurology at Stanford University seeking a RESEARCH SCIENTIST to perform complex functions and activities involved in defined research projects, and independently conduct a major portion of the research project(s). In particular, the Lee lab seeks an individual with extensive experience in systems level neuroscience. The RESEARCH SCIENTIST will operate with significant independence in strategizing the goals of projects as well as designing, conducting and interpreting experiments, under the mentorship of the Principal Investigator.

QUALIFICATIONS:

A Ph.D. degree with several years of research experience in academia and/or industry is desired. A strong background in systems level neuroscience is essential. The successful candidate must be technically rigorous, possess strong organizational skills and enjoy working at the bench. Excellent interpersonal and communication skills are imperative. The successful candidate must be able to work both independently and collaboratively and will likely have additional roles in the training of postdoctoral fellows and graduate students.

- Minimum 2 years research experience after PhD preferable.
- Experience with one or more of optical imaging, optogenetics, in vivo electrophysiology, MR imaging, ultrasound imaging, rodent surgery, and/or immunohistochemistry is preferable.
- Experience working with rodents, particularly colony management and behavior testing.
- Experience in programming in MATLAB and/or python.

DUTIES INCLUDE:

- Provide assistance to investigators in the design and development of research studies, and be responsible for data analysis and record-keeping.
- Design new research studies in collaboration with the principal investigator, project scientists, and research associates.
- Carry out independent research projects as warranted.
- Responsible for the submission of protocols and protocol revisions, and implementation of studies, including data analysis and drafting of manuscripts; contribute to the development of new research protocols and procedures or adaptation of existing protocols.
- Oversee and ensure IACUC, APLAC, AAALAC, EH&S, and CUPA compliance.
- Supervise (either formally or informally) staff or students as needed, including oversight and instruction on techniques, as well as consultation on project work. Serve as technical resource for other research staff.
- Maintain detailed records of experiments and outcomes.

* - *Other duties may also be assigned.*

EDUCATION & EXPERIENCE (REQUIRED):

- A Ph.D. degree in biology/neuroscience/bioengineering or related scientific field with several years of research experience in academia and/or industry.

KNOWLEDGE, SKILLS AND ABILITIES (REQUIRED):

- Comprehensive understanding of scientific principles.
- Strong analytical skills and excellent judgment.
- Ability to work under deadlines with general guidance is essential.
- Excellent organizational skills and demonstrated ability to accurately complete detailed work.
- Past proven effectiveness in lab operations as demonstrated by publications in peer-reviewed journals.
- Goal-oriented and self-motivated with excellent oral and written communication skills.