

POSTDOCTORAL RESEARCHER

The Department of Neurology at Stanford University seeking a POSTDOCTORAL RESEARCHER 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 one of: in vivo electrophysiology, ultrasound imaging and neuromodulation, animal MRI (small animals, marmosets), optical imaging, systems neuroscience with a focus in Alzheimer's disease, Parkinson's disease, stroke or epilepsy, and computational modeling. The POSTDOCTORAL RESEARCHER 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 a strong background in engineering or systems neuroscience. A successful candidate must be technically rigorous and possess strong organizational skills. Excellent interpersonal and communication skills are imperative. A successful candidate must be able to work both independently and collaboratively.

- Experience with one or more of optogenetics, in vivo electrophysiology, MR imaging, optical imaging, ultrasound imaging and modulation, rodent surgery, marmoset handling, immunohistochemistry, or computational modeling is preferable.

DUTIES INCLUDE:

- Provide assistance to investigators in the design and development of research studies, and be responsible for data analysis and record-keeping.
- Carry out independent research projects.
- Maintain detailed records of experiments and outcomes.
- Publish research outcomes.

* - *Other duties may also be assigned.*

EDUCATION & EXPERIENCE (REQUIRED):

- A Ph.D. degree in biology/neuroscience/bioengineering/electrical engineering/chemistry/chemical engineering/computer science.

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.