



Job Description – Postdoctoral Fellow - Behavioral Neurophysiology

Department: Arts and Science
Professor Erlich's Lab

Reports to:PI, Arts and Science

Position Summary

Multiple postdoctoral positions are available starting Sept 1, 2014 in Jeffrey Erlich's lab at NYU-Shanghai as part of the new NYU-ECNU Institute of Brain and Cognitive Science. We study the neural basis of cognition using sophisticated behavioral paradigms combined with electrophysiology, pharmacology, optogenetic and computational / theoretical methods. As founding members of the lab, you will be involved in setting up a high-throughput training facility for rodents, high-channel count awake behaving neurophysiology, and high throughput optogenetic screening of neural circuits involved in cognitive function.

Responsibilities

Depending on skills, experience and agreed upon project with PI, responsibilities will include: collect and analyze behavioral neurophysiology data, develop quantitative models of behavior and neural circuits, develop hardware/software for lab infrastructure, write papers and grants, mentor graduate students and technicians.

Qualification

- **Required Education**

Ph.D. in neuroscience or other relevant fields (e.g. biology, psychology, physics, math, electrical engineering).

- **Required Experience**

Experience with behavioral neurophysiology preferred.

- **Required Knowledge, Skills, and Abilities**

- Proficient in both written and spoken English; Mandarin fluency preferred but not required.
- Good interpersonal and communication skills to work in an international and cross-cultural environment;
- Excellent problem solving skills, and good time management skills;
- High professional integrity, honesty and trust;
- Well organized, diplomatic, self-motivated.

Interested applicants should send a C.V., 2-4 letters of reference and a cover letter addressing their interest in the lab to apply@erlichlab.org

For more information please visit our website: <http://shanghai.nyu.edu/research/brain>