



POSTDOCTORAL SCHOLAR POSITIONS IN MICROBIOLOGY, NEUROBIOLOGY & BEYOND

The Hsiao lab at UCLA's Department of Integrative Biology & Physiology and Geffen School of Medicine, is seeking stellar postdoc candidates--bacteria-lovers, neuro-nerds, mouseketeers and pipet heroes--who want to make impactful scientific discoveries at the intersection of microbiology, immunology and neurobiology.

We are studying interactions between the microbiome, brain and behavior. We investigate basic mechanisms for microbe-nervous system signaling and applications to symptoms of neurological diseases like autism, epilepsy and depression. We utilize gnotobiotic mice, *in vitro* culture systems and human clinical samples, and apply benchmark molecular biology, "multi-omics", neuroimaging, bacterial imaging, bacterial culture, electrophysiological and neurobehavioral techniques. **Post-docs will pioneer new projects on i) microbes that use/produce neurochemicals; ii) microbial effects on neural circuits underlying behavior; iii) microbes as mediators of disease-related gene-environment interactions; iv) microbial influences on the neuroimmune system; or v) microbial interactions with sensory neurons.** Qualifications: substantial experience with mouse models of disease (gnotobiotics preferred) and expertise in at least one of the following: i) animal surgeries, ii) flow/mass cytometry, iii) functional genomics, iv) bacterial genetics, v) optogenetics, vi) intravital imaging, vii) behavioral testing

We offer a unique bio-blend of research interests, with opportunities to venture into new and exciting areas. We provide a supportive research environment and value the continued growth and success of all lab personnel.

Your job would entail:

- Leading new research projects related to microbe-nervous system interactions
- Contributing to joint research efforts in the lab and/or with collaborators
- Attending relevant conferences and presenting your work
- Participating in our lab meetings and journal clubs
- Contributing to writing manuscripts and fellowships
- Advising students and/or technicians
- Developing new skills to advance your career

This job might be for you if:

You're hopelessly bio-curious. You enjoy reading papers and press for all sorts of biology. Coming up with creative ideas, designing experiments and getting data makes you feel warm and fuzzy inside.

You don't get flustered easily. Your grad school phase of jaded disillusionment is long gone. If you don't know the answer, you'll dig until you find it.

You're a great communicator. You can speak your mind and your research, pretty much anywhere.

You're a practical idealist. You are passionate about scientific discovery and realistic in your approaches toward making them.

You have team spirit. You are confident and collaborative.

You're self-motivated and driven. You're going to take ownership of the time you spend with us and really make a difference.

Want to know more about us? Check out <https://hsiao.science/> and get google-stalking.

Want to join us? Email your CV and a blurb about your research interests, along with the names of 3 people that can vouch for your greatness, to ehsiao@ucla.edu.