



Northwestern University

POSTDOCTORAL POSITION IN AUDITORY BRAINSTEM DEVELOPMENT

The Central Auditory Physiology Laboratory at Northwestern University is hiring a full-time postdoctoral position in the Departments of Communication Sciences and Disorders and Neurobiology. The position is supported by the National Institutes of Health and the National Institute of Deafness and other Communication Disorders (NIH/NIDCD R01 DC017167). The overall goal of the funded project is to determine the role of neurotrophin signaling in the establishment/maintenance of tonotopy in the developing auditory brainstem. We use a variety of methods to address this, including whole-cell patch-clamp electrophysiology, auditory brainstem responses, in ovo electroporation of plasmids to spatially and temporally regulate gene expression, immunohistochemistry, cellular and molecular approaches and computational modeling.

Qualifications include:

1. A Ph.D. in Neuroscience, Molecular Biology, Biology, Chemistry, Communication Sciences and Disorders or a related field
2. Experience conducting research with neuroscience, electrophysiology, molecular biology, and histology.
3. Strong writing skills and experience publishing in peer-reviewed journals
4. Solid quantitative skills (multivariate statistics)
5. Ability to think critically and broadly
6. Ability to work well both independently and with others
7. Excellent organizational and time management skills

Preferred qualifications include experience with (please specify):

- Patch-clamp electrophysiology
- Computational modeling
- Molecular and genetic approach
- MATLAB or/and R

The University: Northwestern University is one of the nation's largest private research universities. The main campus is located in Evanston and the medical campus is located 12 miles south in Chicago. Both campuses are located on the shore of Lake Michigan. There is continuing expansion of University facilities and programs, particularly in the sciences and medicine. Diverse cultural, social, and recreational activities abound on and near each campus. Stipend and benefits are commensurate with NIH guidelines, set forth in announcement NOT-OD-19-036. For more information about our research group, please visit <https://caplab.northwestern.edu/>.

To apply, candidates should email a Curriculum Vitae, a one-page research statement, sample publications, and the contact information of three referees to Dr. Jason Sanchez (jason.sanchez@northwestern.edu) or CAPLAB@northwestern.edu. Finalists will be asked to submit three letters of recommendation. Review of applications will start immediately and will continue until the position is filled. The start date is immediate.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.