Job Description – Research Associate/sEEG specialist

Department: Neural and Cognitive Sciences   Reports to: Xing Tian

Position Summary

A Research Associate position is open in Xing Tian's laboratory at the NYU-ECNU Institute of Brain and Cognitive Science at NYU Shanghai. He or she will work in conducting intracranial stereo EEG (sEEG) studies. The primary duty of this position is to facilitate the sEEG data collection in collaborating hospitals in Guangdong Province (primarily the cities of Shenzhen and Guangzhou), as it is an integrative role for acquiring 'big' human cortical electrophysiology data for AI models. Moreover, the candidate will facilitate communications between our research team and neurologists, as well as designing experiments, setting up recordings, and maintaining research protocols and platforms. This person will actively participate in projects of interest by participating in discussions with project leaders and group members, analyzing data, writing manuscripts, and attending and presenting research at conferences. The person will have a chance to design and carry out his or her own studies. This position offers a great entry opportunity for scientific research and working experience within NYU's global network. **The working location of the position will be in Guangdong Province, especially Shenzhen and Guangdong.**

Responsibilities

- Facilitating the data collection in sEEG projects
- Supervising research activity in sEEG recording sites
- Maintaining equipment, research protocols, and platforms in sEEG research at hospitals
- Maintaining collaborative relations with neurologists at collaborating hospitals
- Analyzing data and writing experimental reports.
- Helping lab members program experimental scripts
- Other tasks as assigned by the PI.

Qualification

- Minimum Bachelor's degree or expect to graduate in 2024. (Current College students can also be considered as interns first to start immediately.) Major in Psychology, Neuroscience, linguistics, speech and hearing, or other related

disciplines. Recent graduates with a strong background in cognitive neuroscience and especially empirical experimental experiences are preferred.
- Excellent interpersonal skills. Strong attention to detail.
- Experience in EEG/MEG/ECoG would be a plus
- Proficient in programming (e.g., Matlab, Python, C/C++) is a plus.
- Strong quantitative skills and experience in computational and deep learning modeling would be a plus.
- Fluent in Chinese. Good working knowledge of English is preferred.

Interested candidates should forward a CV with a cover letter to xing.tian@nyu.edu. Inquiries can be sent to the same email address.

**For more information about our lab please visit our group website:
http://slang.science**
(alternative link: https://slangscience.github.io/slang/index.html)

**For more information about this position please visit website:
http://shanghai.nyu.edu/about/work/staff-positions**

About NYU Shanghai

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