

Seeking Research Assistant to support human brain research in the Department of Psychiatry at Mount Sinai West, NYC



The **Waters Laboratory** in the **Department of Psychiatry, Icahn School of Medicine at Mount Sinai** seeks a Research Assistant to work on studies involving human brain electrophysiology. The Waters Lab is embedded in the Nash Family Center for Advanced Circuit Therapeutics at Mount Sinai West where the mission is to advance treatment of psychiatric and neurological disorders with innovation in deep brain stimulation. The Research Assistant will facilitate on-going studies that use research measures such as electroencephalography (EEG), heart rate and respiration, as well as performance on tasks and surveys. One study investigates deep brain stimulation for treatment of severe obsessive-compulsive disorder and depression. Another study investigates a neural biomarker (heartbeat evoked potential) of interoceptive processing (feeling of the internal body). Research skills training on relevant methods will be provided, with particular emphasis on EEG data acquisition. This position is ideal for an individual seeking deep exposure to clinical research in an applied setting. Previous lab managers have gone on to doctoral training in clinical science, neuroscience, biomedical engineering, nursing and medicine.

Specific Duties:

- Conduct routine and standardized experiments using techniques specific to on-going research projects
- Apply electroencephalography (EEG) sensors and collect EEG data (training provided)
- Preprocess EEG data (training provided)
- Contribute to research meetings and generate meeting minutes
- Conduct literature review upon request of PI
- Analyze and assist in interpreting laboratory results of moderate complexity
- Manage on-line procedures/correspondence for recruitment of community participants
- Liaise with clinical staff to schedule patient study participants
- Obtain informed consent
- Assist with acquisition of approval to conduct research with human subjects (e.g., IRBs)
- Conduct routine quality control checks of study protocol and study data
- Maintain laboratory equipment, order laboratory supplies



Requirements:

- Bachelor's degree (BS, BA, etc.)
- Human subjects research or person-oriented work experience
- Excellent communication and interpersonal skills
- Proficiency in: Microsoft software; R or equivalent; Redcap; EPrime Psychtoolbox, or other stimulus presentation software, a plus
- Proficiency in developing analytical pipelines (Matlab, Python), a plus
- References will be contacted

Location: Mount Sinai West, 1000 10th Ave, New York, NY 10019

Website: <http://labs.icaahn.mssm.edu/waterslab/>

Job Title: Research Assistant

Hours: Full time, on location, Mon-Fri

Preferred start date: ASAP or Summer 2023

Please send CV/resume and cover letter to Dr. Allison Waters and Lab Manager, Elisa Xu:

allison.waters@mssm.edu, jiacheng.xu@mssm.edu