CLINICAL RESEARCH ASSISTANT IN NEUROLOGY

The clinical research assistant will provide research support to Bernard Chang and other physicians who perform research in the field of epilepsy.

Dr. Chang studies epilepsy and human developmental brain malformations at Beth Israel Deaconess Medical Center (BIDMC) and Harvard Medical School in Boston. The goal of his research is to understand better how epilepsy arises in the human brain, and in particular how disruptions in the development of the cerebral cortex affect the structure and function of the brain in children and adults, leading to seizures and other neurological disabilities.

Other epilepsy research studies conducted at BIDMC include clinical trials of new drugs and devices in epilepsy treatment, investigations using transcranial magnetic stimulation (TMS) in individuals who have had seizures, and analysis of electroencephalography (EEG) recordings in patients with neurological disorders.

Primary Duties and Responsibilities

- Recruit and screen potential subjects for studies, ensuring that they meet study enrollment criteria
- Schedule and coordinate subject visits and testing sessions, accompany subjects as needed, administer questionnaires, dispense study materials and seizure diaries, and process subject compensation forms
- Assist with data collection and analysis, which may include:
  - analysis of magnetic resonance imaging (MRI) data
  - analysis of data from noninvasive transcranial magnetic stimulation (TMS) of the brain
  - analysis of cognitive testing results, including statistical calculations
  - review of clinical databases and medical records
  - data entry and maintenance of EEG database
- Assist with source documentation, data entry, case report form completion, maintenance of study files, and communication with study sponsors
- Assist with drafting, revising, and submitting documents to the institutional review board, the entity responsible for reviewing our conduct of human subjects research
- Assist with ordering and maintenance of computer equipment and supplies used in research studies
- Assist with drafting, revising, and submitting progress reports and grant applications to the National Institutes of Health and other funding sources for our studies
- Assist with drafting, revising, and submitting manuscripts reporting results to scientific journals

Required Education and Experience

- Bachelor’s degree in related field
- Familiarity with neuroscience would be beneficial but not required
- Familiarity or experience with clinical human subjects research would be beneficial but not required

Contact

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