

**CLINICAL RESEARCH COORDINATOR II IN DIVISION OF
NEUROTHERAPEUTICS AT HARVARD MEDICAL SCHOOL/ MASSACHUSETTS
GENERAL HOSPITAL**

Responsibilities: Full-time *Clinical Research Coordinator II (CRC II)* needed in the Division of Neurotherapeutics, a multidisciplinary group that studies novel medical devices to treat severe psychiatric illness. Our group uses Deep Brain Stimulation, Vagal Nerve Stimulation, and related technologies to understand the brain in health and disease. Major techniques include functional neuro-imaging, electroencephalography (EEG), and magnetoencephalography (MEG).

The CRC II will be responsible for both data collection and analysis. Data collection includes application of neuroimaging and electrophysiology (fMRI and MEG/EEG data), behavioral/psychophysical tasks, and standardized questionnaires. This includes programming standardized visual, audio, and tactile stimuli for multiple testing environments. Data analysis includes substantial immersion in statistical methods, and will require learning new software tools. This often involves programming scripts and code collections that can then be used by others. Finally, the CRC II also helps produce reports, scholarly research abstracts, posters, and manuscripts for publication and can expect to be credited as an author on many of these.

The position requires high level technical and analytical skills, the ability to manage data software systems, strong research and writing skills, and the ability to work independently.

Qualifications: Bachelor's degree *with at least 1 year of related research experience not for course credit* required. This position would be suitable for an applicant with a background in engineering, computer science, or mathematics who has an interest in learning and applying their knowledge to neuroscience. Candidates must be organized with attention to detail, able to work independently, and possess good writing and editing skills. Additionally, candidates must have a strong background in at least one programming language commonly used for scientific data analysis. MATLAB and/or Python are strongly preferred, R or Julia are welcome. Lower-level languages such as C or Java are not required. There should be documented evidence of ability to independently complete technical tasks, including semi-independent selection of tools/algorithms and self-teaching from online resources when appropriate. Experience with basic statistical analyses (linear and generalized linear regression, ANOVA) is necessary. Additional methods, particularly Bayesian or non-parametric frameworks, will be a plus. Candidates with prior experience with one or more existing neuroscience data analysis tools (e.g., FieldTrip, FreeSurfer, SPM, Brainstorm, MNE) will be given high priority.

Start Date: January 2016

Principal Investigators: Darin Dougherty MD, Thilo Deckersbach PhD, Alik Widge MD PhD and Joan Camprodon MD PhD MPH.

Ongoing/upcoming projects: Brain Initiative funded closed loop DBS study, Trichotillomania multi-site imaging study, Properties of Consciousness imaging study, endocrine imaging studies, and many more.

Please send a copy of your relevant CV and cover letter to szorowitz@mgh.harvard.edu