

# CLINICAL RESEARCH COORDINATOR II POSITION FOCUSED ON fMRI IN DIVISION OF NEUROTHERAPEUTICS AT HARVARD MEDICAL SCHOOL/ MASSACHUSETTS GENERAL HOSPITAL

**Start Date:** May-June 2019

**Principal Investigators:** Thilo Deckersbach, PhD and Darin Dougherty, MD (primary supervisors)

**Responsibilities:** Full-time *Clinical Research Coordinator II (CRC II)* needed in the [Division of Neurotherapeutics](#), a multidisciplinary clinical neuroscience group. We conduct neuroimaging, EEG, behavioral, and clinical studies of severe psychiatric illness. Most of our work uses Deep Brain Stimulation and similar devices as tools to both treat disease and understand the brain.

The CRC II will be responsible for both data collection and analysis. Data collection includes application of neuroimaging and electrophysiology (fMRI and EEG), behavioral/psychophysical tasks, and standardized questionnaires. The CRC II will be responsible for performing fMRI, PET, and behavioral data analysis for several studies involving neural mechanisms underlying psychiatric illness. Data analysis will include a variety of statistical methods, and will likely require learning new software tools (e.g., SPM, Freesurfer). The CRC II will also help produce reports, scholarly clinical research abstracts, posters, and manuscripts for publication and can expect to be credited as an author on many of these.

The CRC II will work closely with Investigators, study staff and the Institutional review Board (IRB) to implement and oversee studies and submit appropriate regulatory forms, document, compile and maintain clinical research data, patient files, regulatory binders and study databases. The CRC II can expect to conduct clinical assessments and work closely with patients by coordinating and administering, scoring, and evaluating study questionnaires/interviews. There will be opportunities to shadow clinicians in the division and/or observe neurosurgeries as part of our research data collection.

The position requires high level technical and analytical skills, the ability to manage data software systems, strong research and writing skills, and the ability and desire to work independently. The CRC will be working closely with severely ill psychiatric patients for data collection, and so should be comfortable and considerate while working with clinical populations. We give preference to candidates who are interested in clinical/translational research work as part of their long-term career.

**Qualifications:** Bachelor's degree with at least 1 year of related research experience not for course credit required. Candidates of all majors are welcomed, but must possess a strong interest in clinical problems and neuroscience. Strong interpersonal skills are a must, and experience with psychiatric clinical populations is highly preferred but not required. Candidates must be organized with attention to detail and able to work independently. Candidates must also possess good writing and editing skills, and programming skills in a programming language such as Python or MATLAB. Ability to write and execute basic scripts is required, familiarity with UNIX/LINUX and C shell scripting is recommended. Candidates must have prior fMRI neuroimaging experience, including familiarity with fMRI data analysis. Proficiency in SPM, FreeSurfer, or similar programs is required. Please write about this or other fMRI

**Ongoing/upcoming projects:**

- DBS/fMRI imaging studies involving patients with anxiety and mood disorders
- fMRI/EEG/TMS studies of the neural basis of consciousness
- Neuroimaging studies of trichotillomania and endocrine dysfunctions.

Our laboratory is part of the Martinos Center, one of the world's largest and most diverse human neuroscience centers. There will be many opportunities for a broad exposure to cognitive and emotional neuroscience through seminars, workshops, and peer interactions.

**APPLY HERE** – <https://partners.taleo.net/careersection/ghc/jobdetail.ftl?job=3080162&tz=GMT-05%3A00>

*Please send a copy of your CV and a cover letter to our lab at [neurotherapeutics@mgh.harvard.edu](mailto:neurotherapeutics@mgh.harvard.edu)*