

**CLINICAL RESEARCH COORDINATOR I POSITION FOCUSED ON PSYCHOPHYSIOLOGY &
NEUROIMAGING IN THE DIVISION OF NEUROTHERAPEUTICS AT HARVARD MEDICAL SCHOOL/
MASSACHUSETTS GENERAL HOSPITAL**

Start Date: ASAP/open until filled

Principal Investigators: Darin Dougherty, MD & Tina Chou, PhD (primary supervisors)

Responsibilities: Full-time *Clinical Research Coordinator I (CRC I)* needed in the Division of Neurotherapeutics, a multidisciplinary clinical neuroscience group. We conduct neuroimaging, brain stimulation, and behavioral studies of mood and anxiety disorders. Most of our work uses neuromodulation devices as tools to both treat disease and understand the brain.

The CRC will assist with the collection of psychophysiological (heart rate, galvanic skin response), neuroimaging (fMRI and PET), and behavioral task data. Data analysis will include a variety of statistical methods and will likely require learning new software tools (e.g., SPM). The CRC will work closely with individuals with psychiatric disorders by administering and scoring standardized questionnaires and clinical interviews. There will be opportunities to shadow clinicians in the Division and observe neurosurgeries.

The CRC will also work closely with investigators, study staff and the Institutional Review Board (IRB) to implement and oversee studies, submit appropriate regulatory forms, and maintain study databases. The CRC will assist with grant proposal submissions, renewals, and progress reports. The CRC will also be involved in writing scientific poster abstracts and manuscripts for publication and will be accordingly credited as an author.

Qualifications: Bachelor's degree with at least 1 year of related research experience not for course credit required. This position is best suited for an applicant with a background in cognitive neuroscience or psychology who plans to apply for clinical psychology/neuroscience Ph.D. programs or medical school. General Biology, Engineering, or other majors are also acceptable with demonstrated quantitative skills. **Strong preference will be given to candidates with prior experience collecting and analyzing psychophysiological data (e.g., heart rate, galvanic skin response).** Prior experience with neuroimaging (fMRI, PET) and SPM is a plus, but not required. The position requires high-level technical and analytical skills, the ability to effectively manage multiple tasks at once, attention to detail, and strong communication skills. The CRC will be working closely with psychiatric patients, and should therefore be comfortable and considerate while working with clinical populations.

Ongoing/upcoming projects:

- Clinical feasibility of low intensity focused ultrasound for Generalized Anxiety Disorder
- Neuromodulation of ventral striatum with transcranial focused ultrasound
- PET study on the neural correlates of depression in HIV
- An fMRI study to validate the use of bezafibrate as a treatment for bipolar depression

Our laboratory is part of the Martinos Center for Biomedical Imaging, 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.

Please send a copy of your CV and a cover letter describing your research experience to Ben Borron at neurotherapeutics@mgh.harvard.edu