



POSTDOCTORAL FELLOWSHIP
SECTION ON INTEGRATIVE NEUROIMAGING
CLINICAL & TRANSLATIONAL NEUROSCIENCE BRANCH
NATIONAL INSTITUTE OF MENTAL HEALTH, NIH
INTRAMURAL RESEARCH PROGRAM, DHHS, BETHESDA, MD

Dr. Karen Berman, Chief of the Clinical & Translational Neuroscience Branch of the National Institute of Mental Health Intramural Research Program (NIMH IRP), at the National Institutes of Health (NIH), invites outstanding individuals to apply for a three- to five-year post-doctoral fellowship at one of the premier research sites in the world. The renowned NIH Clinical Center on the 300-acre Bethesda campus of the NIH, near Washington D.C., houses unsurpassed, state-of-the-art neuroimaging facilities (MRI, PET and MEG) all dedicated to research, as well as superb clinical facilities, and an exciting, interactive research community of hundreds of talented colleagues. The strong scientific environment and outstanding resources at NIH make this a unique opportunity for an outstanding innovative scientist.

The Branch takes a multidisciplinary approach, with multimodal neuroimaging (sMRI, rMRI, fMRI, DTI, PET, MEG) at its core, but also integrates genetic, neurochemical, neuropsychological, and clinical investigations to study normal human higher cognitive function throughout the lifespan, as well as neuropsychiatric disorders such as Williams syndrome and schizophrenia.

What You'll Do...

You will work with an interdisciplinary team of clinicians and researchers, all with the goal of understanding neurogenetic mechanisms underlying brain development and neuropsychiatric disease. You would have particular opportunities within our ongoing schizophrenia studies and/or our longitudinal, developmental studies of Williams syndrome; will have access to large, unique, archival datasets; and will help to design new studies.

Who You Are...

You are (1) a recent Ph.D. in experimental psychology, cognitive neuroscience, neuroscience, neuropharmacology, or other applicable disciplines; or (2) an M.D. with training in psychiatry, neurology, nuclear medicine, radiology or other relevant fields. You have a demonstrated record of superb scientific writing skills, as well as excellent interpersonal and presentation skills. In addition, experience with any of the following is highly desirable: developmental or pediatric neuroimaging, multimodal neuroimaging techniques (MRI, PET, MEG), conducting cognitive neuroscience experiments, and/or neuroimaging of clinical populations. Experience with AFNI/SUMA, SPM, FSL, Freesurfer, UNIX/LINUX computational environments and/or programming skills (MATLAB, R, C++; JAVA, Python) is desirable, but not required. Experience in MEG or PET will also be a plus, but is not required.

The position is open immediately and applications will be accepted until the position is filled. A curriculum vitae, letter of interest outlining experience and research goals, and three letters forwarded directly from recommenders should be sent to: Karen Berman, M.D.; C/O Jasmin B. Czarapata, Ph.D.; NIH Building 10, Rm 3C209; 9000 Rockville Pike; Bethesda MD 20892-1365 USA. (301) 435-7645, or electronically to jasmins@mail.nih.gov

DHHS and NIH are Equal Opportunity Employers

The National Institute of Mental Health (NIMH) invites applications for postdoctoral positions in the Section on the Neurobiology and Treatment of Mood Disorders. Research is focused on understanding the pathophysiology of depression and treatment response and their functional magnetic resonance (MRI) and structural MRI correlates. Current studies include: imaging patients with major depression and healthy controls undergoing treatment with novel anti-depressants, characterization of a task battery and naturalistic stimuli for subject phenotyping, and the development of other relevant advanced MRI techniques such as MRS, simultaneous EEG-fMRI, and ASL for applications used to detect treatment response in mood disorders.

The ETPB is a team of clinicians, psychologists, neuroscientists, neuroimagers committed to advancing the field of fMRI and the role it plays in improving our understanding of brain function. Our group has access to state-of-the-art neuroimaging and neuromodulation facilities, including 7T and 3T MRI scanners, MRI-compatible 256-channel EEG, MEG, TMS, as well as behavioral testing facilities. We also work closely with the functional MRI, MEG, and MRS Core Facilities, and the Scientific and Statistical Computing Core Facility.

The applicant for this position should have a Ph.D. (or equivalent) in a specialty related to fMRI, EEG, MEG, and/or MRI and a strong passion for developing and advancing fMRI methods in a clinical setting. The applicant must be able to work independently, be highly skilled in functional neuroimaging and data analytics, as well as be excited to learn novel ways to explore and interpret neuroimaging data. The applicant is expected to have the desire to work collaboratively to advance the research goals of the section. Salary for this position is defined by type of training and years of experience (https://www.training.nih.gov/postdoctoral_irta_stipend_ranges)

The NIH is among the largest and best communities of MRI researchers in the world, with opportunities to collaborate with leaders in the field of fMRI, DTI, susceptibility contrast, parallel imaging, and molecular imaging, among other MRI-based specialties.

Applicants should send a curriculum vitae, and the contact information for three references to: Jennifer Evans, Ph.D. Building 10, Room 7-3335, 10 Center Drive, Bethesda, MD 20892, 301-402-1333, jennifer.evans@nih.gov, TTY: MD Relay Operator at 1-800-735-2258. The National Institutes of Health is an equal opportunity employer.