The National Institute of Mental Health (NIMH) invites applications for a postdoctoral position in the Section on Functional Imaging Methods (SFIM), directed by Dr. Peter A. Bandettini. Research is focused on advancing functional MRI (fMRI) acquisition and processing methods towards the goal of better understanding human brain dynamics and physiology, as well as to determine fMRI and MRI correlates to behavior and disease. Current areas of research in the SFIM include: use of naturalistic stimuli for subject phenotyping, development of layer fMRI acquisition and analysis methods, characterization and interpretation of static and dynamic aspects of functional connectivity, development of multi-echo fMRI analytical methods, simultaneous EEG-fMRI, neuromodulation, and examination of the limits of what fMRI can reliably measure.

The SFIM is a team of physicists, psychologists, engineers, neuroscientists, and computer scientists 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, tDCS/tACS, TMS, as well as behavioral testing facilities. We collaborate with groups performing research on clinical populations suffering from neurologic, psychiatric, and developmental disorders. We also work closely with the functional MRI Core Facility, the NIMH Machine Learning Team, the Data Science and Sharing Team, 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. The applicant must be able to work independently, 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 deep expertise in some particular aspect of neuroscience, imaging, or data science, and 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 three letters of recommendation to Peter A. Bandettini, Ph.D. Building 10, Room 1D80, 10 Center Drive, Bethesda, MD 20892-1148, 301-402-1333, bandettini@nih.gov, TTY: MD Relay Operator at 1-800-735-2258. The National Institutes of Health is an equal opportunity employer.