The SCAN lab (https://manoachlab.mgh.harvard.edu) at Massachusetts General Hospital/Harvard Medical School is seeking a postdoctoral fellow to participate in studies of the role of sleep in memory consolidation and how these processes go awry in neurodevelopmental disorders such as autism and schizophrenia. Our research has linked cognitive deficits to specific mechanisms and we are evaluating non-invasive brain stimulation as an intervention to normalize sleep physiology and improve function. This basic and clinical research program uses state-of-the art methods including high density EEG, ERPs, MEG, DWI, functional connectivity MRI, fMRI, intracranial, and behavioral studies. The position requires working as a team with the PI, labmates, and collaborators to design studies, acquire data, interpret findings, and write papers and grants. Training in clinical neuroscience and in the acquisition, analysis, and interpretation of neuroimaging/neurophysiology data will be provided.

Requirements: PhD (or MD) in neuroscience, psychology, psychiatry, biomedical engineering or a related discipline and a strong research background are required. Ideal candidates would be fluent in electrophysiological data analysis and have clinical training. Proficiency in Matlab/Python and a background in any of the following areas would also be helpful: computational neuroscience; signal processing, cognitive neuroscience, experimental/clinical psychology and sleep.

Interested applicants should email: (a) CV, (b) statement of interest, (c) writing sample (e.g., a published manuscript), and (d) letters and/or contact information for three references to Dara.Manoach@mgh.harvard.edu. A two-year commitment is required.