

NIH Pediatric Brain Laboratory Seeking a Research Assistant in Developmental Brain Science



NYU Langone Medical Center (New York, NY)

Overview

We are seeking a data manager (DM) as part of an NIH funded research project that uses MRI techniques to examine brain development from the beginning of human life. The DM will support organization and quality assurance of large-scale, longitudinal behavioral and MRI data sets. In parallel, the RA will support analysis of data to test hypotheses linking early brain biomarkers to neurobehavioral development, using data collected in children across the first 5 years of life. The project PI is Dr. Moriah Thomason, more info at: www.babybees.org.

The RA will receive training in pediatric multi-modal MRI data collection and analysis. MRI modalities utilized in the lab include DTI, functional MRI, graph theory resting-state connectivity fMRI, spectroscopy and volumetric analyses. Historically, those that have held this position for two or more years have also authored abstracts and research papers that result from the work and have been given opportunities to attend research conferences.

Essential Functions

- Management of longitudinal multi-year project databases.
- Responsibility for implementing data sharing protocols.
- Preprocessing and analysis of neuroimaging and behavioral data.
- Regular implementation of quality assurance protocols across data types.
- Integrating electronic medical record data into participant databases.
- Supporting project administrative objectives, such as ordering supplies and participant payments.
- Adherence to standards for ethical conduct of research, including maintaining participant confidentiality and security of identifying data types.

Qualifications

- BA or BS degree in Psychology, Computer Science, Cognitive Science, Neuroscience, Engineering, Biology, or a related field
- Excellent organizational/multi-tasking/problem-solving skills
- Able to make a 2-year commitment
- Attitude of wanting to help and jump in anywhere needed
- Computing skills; proficiency in general-purpose programming languages (Python, Matlab), and/or neuroimaging software (SPM, FSL) will be given preference
- Advanced statistical training; proficiency with statistical software (SPSS, R or other), will be given preference.
- English and Spanish language fluency will be given preference.

Contact

Applicants should submit a cover letter, transcripts, names and contact information for 3 reference writers, and a CV. Please send as a single PDF via email with subject heading "data manager applicant" to Tessa Vatalaro at Tessa.Vatalaro@nyulangone.org.

