

The Laboratory of Cognitive Neuroscience at Boston Children's Hospital, led by Professor Charles A. Nelson, is seeking a **full-time Research Assistant (RA)** to work on a project **using electroencephalography (EEG) neuroimaging data to predict cognitive outcomes in developmental populations**. This position is part of a larger project funded by the Bill and Melinda Gates Foundation examining EEG biomarkers of healthy brain and cognitive development in global contexts of adversity. As part of this role, the RA will work with state-of-the-art EEG measures (e.g. functional connectivity measures) and machine-learning algorithms to predict cognitive scores on developmental assessments across different contexts. This role provides exposure to research and technology development at the intersection of neuroscience, medicine, and public health. The RA will be able to participate in the Gates Foundation Neuroimaging Consortium. This is a research-focused RA position (rather than lab management), and the RA will earn co-authorship on publications stemming from this project. This position may serve as a launching pad to graduate studies, medical studies, and data science positions. We encourage applications from members of under-represented groups in science.

Basic Qualifications: (1) Proficiency in coding in Matlab, (2) background in neuroscience, developmental psychology, computer science, electrical or computer engineering, or a related field; (3) excellent organizational and communication skills, (4) B.A., B.S., or equivalent preferred. (5) experience or coursework related to machine-learning prediction algorithms is helpful.