

Research Assistant position in neurodevelopmental disorders University of South Carolina, Columbia City, Metropolitan Statistical Area

Description: Dr. Sha's lab (<https://shazhiqiang.wixsite.com/sha-lab>) at the University of South Carolina is seeking a **full-time Research Assistant**. Our lab is affiliated with the Carolina Autism & Neurodevelopment Center, the Institute for Mind & Brain, and working closely with the McCausland Center for Brain Imaging in Columbia, the center of SC Metropolitan Statistical Area.

Our lab explores the mechanisms of atypical brain development and neurodevelopmental disorders (e.g., autism spectrum disorders) by leveraging statistical modeling to bridge genetic variation, neural circuitry, exposure (e.g., early life adversity) and psychopathological phenotypes, and treatment outcomes. These innovative projects will leverage state-of-the-art computational models and AI algorithms, supported by the brand-new Brain Imaging Center (with 3T and high-field 7T MRI scanners) and the Biobehavioral Research Center.

This position provides an excellent opportunity for a motivated student to gain hands-on experience with neuroimaging (e.g., MRI) and biomedical research techniques, making it ideal preparation for a future graduate or medical career. Research assistant will be actively involved in the scientific process and are encouraged to contribute meaningfully to publications. We fully support assistants in leading first-author research projects and presenting their work at international conferences.

Duties:

- Coordinating and conducting data collection from participants
- Neuroimaging data processing, analysis; present results and publish papers
- Manage daily administrative operations of the lab (e.g., scheduling and communication)

Requirements:

- Bachelor's degree in a relevant science
- Experience with clinical and behavioral data analysis.
- Candidates with coding experience are preferred.

How to apply:

Please submit your CV to Dr. Zhiqiang Sha (zsha@mailbox.sc.edu). We encourage applications from individuals of all backgrounds who are passionate about neuroscience.

