

Adolescent Brain Cognitive Development (ABCD) Study University of California, San Diego

The Center for Multimodal Imaging and Genetics at the University of California, San Diego invites applicants for a postdoctoral research position in multimodal image analysis methods development. We are looking to grow our team to help build the next generation of image processing and analysis pipelines for the Adolescent Brain Cognitive Development (ABCD) study, an ongoing, NIH-funded study to follow ~12,000 children with longitudinal neuroanatomical and functional imaging across 21 sites within the US. The major goals of the study are to provide a publicly available data resource to examine the relationships between environmental influences -- including substance use -- and adolescent brain and cognitive development. To learn more about our project, please see the [ABCD Study press release](#), and the [ABCD Study website](#).

This position will focus on the development and validation of innovative neuroimaging methods for improved analysis of diffusion MRI brain imaging data. The role offers the opportunity to work with world leaders in neuroimaging software development and analysis, and to be part of a globally significant 10-year project. The successful applicant should be comfortable working in a large team environment and have:

- A Ph.D. or equivalent degree
- Research experience in advanced modeling for diffusion MRI
- Experience with FreeSurfer, FSL, and/or the Human Connectome analysis pipeline
- Extensive experience with Matlab, Python, C/C++ or other relevant programming languages
- Excellent organizational and problem-solving skills; ability to plan, prioritize and keep multiple projects/tasks moving forward at once
- A track record of documented productivity

If interested, please submit a current CV, a personal statement describing your experience and interests, and contact information for three references to abcd-daic@ucsd.edu.

UC San Diego is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence through diversity. All qualified applicants will receive consideration for employment without regard to gender, race, color, religion, sex, sexual orientation, national origin, disability, age or protected veteran status.