Postdoctoral Research Associate
Vacancy ID: PDS002544

Position Summary
The position will focus on developing novel brain network construction/analysis methods, applying our recently developed tools/methods to large-scale infant multimodality datasets for early brain development study, and detecting normative and abnormal brain-behavior association and its development for early diagnosis of neurodevelopmental disorders. Chapel Hill is located in the “Research Triangle” next to Raleigh and Durham, recently being ranked as 10th of the 25 best places to live in the U.S. according to U.S. News.

Educational Requirements
Ph.D. in Neurology, Biomedical Engineering, or a related field.

Qualifications and Experience
The successful candidate should have an excellent research background on functional MRI analysis and ability to interpret network neuroscience questions based on the imaging analysis results with strong scholarly track-records. Experiences on big data analysis, resting-state fMRI methods development, brain network modeling and network-based analysis, longitudinal data analysis, brain-behavior association analysis, and individualized classification are preferred. Strong knowledge on programming (good command of Matlab/linux bash/other languages) and neuroimage analysis toolboxes is required. Additional knowledge or experience in biostatistics is a plus. Applicants should have excellent ability working independently and collaboratively; and excellent communication skills are vital.

The successful candidates will be supported by multiple NIH grants and part of a multidiscipline group in the BRIC. Successful applicants will have opportunities to work with a team of faculty with diverse yet complementary expertise focusing on early brain development, and be accessible to our high-performance computing resources, precious early development neuroimaging data from various cohorts, world-class medical image analysis environment, state-of-the-art infant brain image analysis pipelines, and benefit from collaborating with basic research scientists and clinicians at UNC-Chapel Hill.

Application Types Accepted
Applications will be considered until the position is filled. Please submit an online application for vacancy ID PDS002544 at http://unc.peopleadmin.com/postings/170780

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.