



Research Assistant Position

The Cohen Laboratory in the Department of Psychology and Neuroscience at the University of North Carolina, Chapel Hill, directed by Dr. Jessica Cohen, is seeking a full-time research assistant beginning Summer 2019 (specific start date flexible). We investigate how functional brain networks dynamically interact and reconfigure when confronted with changing cognitive demands, when experiencing transformations across development, and when facing disruptions in healthy functioning due to disease. The lab uses behavioral, neuroimaging, and clinical approaches taken from neuroscience, psychology, and mathematics to address our research questions.

We have several ongoing NIH-funded projects you may be involved with that investigate moment-to-moment network dynamics during rest and task in typically developing children and in children with ADHD. For example, we are currently conducting two studies in ADHD: a medication challenge testing children on and off Ritalin to identify how Ritalin alters functional brain network organization and dynamics to support symptom amelioration; and a longitudinal study following youth with ADHD across the transition from childhood into adolescence to identify trajectories of structural and functional network development that may serve as biomarkers indicating increased risk (or, conversely, decreased risk) for negative outcomes in adolescence. A third study is a longitudinal study in typically developing children who we have been following since infancy and who are now in middle childhood; we are assessing how individual differences in cognition and school achievement can be predicted from neurodevelopmental trajectories.

Responsibilities include recruiting and scheduling participants, data collection (MRI and behavioral), and data analysis (using neuroimaging software such as FSL, SPM, AFNI). You will be encouraged to take on an independent project that can result in a conference poster presentation and/or authorship on a manuscript.

Necessary qualifications include: 1) a BA/BS in Psychology, Neuroscience, Computer Science, or related field; 2) research experience collecting, processing or analyzing MRI data; 3) at least some experience with unix, python, matlab or another programming language; and 4) excellent organizational, interpersonal and communication skills.

Position is for one year, with the possibility of extension pending satisfactory performance.

Interested applicants should send their CV, a cover letter describing their research interests and career goals, transcript with relevant coursework (unofficial is fine), and contact info for 2-3 references to Dr. Jessica Cohen (jrcohen@unc.edu). Additional information can be found at:

<http://cohenlab.web.unc.edu/>