

Research Assistant Position

The Cole Neurocognition Laboratory in the Center for Molecular and Behavioral Neuroscience Department at Rutgers University (directed by Dr. Michael Cole) is seeking a full-time research assistant beginning Spring 2018 (specific start date flexible). We investigate the neural basis of cognition with a particular focus on brain connectivity. Our studies involve a variety of neuroimaging techniques and computational methods, with a focus on healthy individuals, clinical populations, and different age groups. We are especially interested in investigating the neural mechanisms of highly adaptive cognition – such as the ability to rapidly learn new tasks from instructions, which is disrupted with aging and in a wide variety of mental illnesses.

The positions will be at Rutgers University in Newark, NJ (13 miles from New York City, NY) and located in a recently renovated laboratory space in the Center for Molecular and Behavioral Neuroscience (CMBN), in the same building as the Rutgers University Brain Imaging Center. The Cole Neurocognition Lab has a friendly and hard-working environment where one can interact with and learn from experts in the field.

The lab has several ongoing projects that you may be involved in. These projects involve multiple approaches, such as functional MRI (fMRI), diffusion weighted MRI, EEG, tDCS, and/or computational modeling of brain connectivity dynamics. Responsibilities include recruiting and scheduling participants for research studies, data collection (MRI and behavioral), data analysis (using neuroimaging software such as FSL and AFNI), IRB management, and general management of lab operations. You will be encouraged to take on an independent project that can result in a conference poster presentation and/or authorship on a manuscript.

Preferred attributes of candidates: 1) a BA/BS in Neuroscience, Psychology, Computer Science, or related field; 2) ideally research experience collecting, processing or analyzing neuroimaging data; 3) a passion for learning and making discoveries in neuroscience (and related fields); 4) at least some experience with Linux/Unix as well as Python, MATLAB or another programming language; and 5) excellent organizational, interpersonal and communication skills.

The position is for one year, with extension to 2+ years preferable (pending satisfactory performance in the first year). The position includes Rutgers University's excellent benefits package (<http://uhr.rutgers.edu/full-time-employees>).

Start date is flexible, but is anticipated to be between January and June 2018. Applicants will be reviewed on an on-going basis until the position is filled.

If interested send your CV and a cover letter with an overview of your background and career goals, transcript with relevant coursework (unofficial is fine), along with names and emails of potential recommenders to michael.cole@rutgers.edu. For more information on the lab's research visit <http://www.colelab.org/>