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at CHAPEL HILL

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## Postdoctoral Fellowship

The Cohen Laboratory in the Department of Psychology and Neuroscience at the University of North Carolina at Chapel Hill, directed by Dr. Jessica Cohen, is seeking a postdoctoral fellow beginning summer or fall 2017 (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 projects you could be involved with that investigate moment-to-moment network dynamics during rest and task in healthy individuals (children, adolescents, and adults), as well as dysfunctional network organization and dynamics in impaired populations. There will also be opportunities to propose your own project to implement. Responsibilities include conducting neuroimaging scans, processing and analyzing neuroimaging and behavioral data, supervising graduate students and research assistants, and preparing manuscripts for publication.

Necessary qualifications include: 1) a Ph.D. in Psychology, Neuroscience or a related field; 2) experience programming, particularly with python, unix and/or matlab; 3) experience with neuroimaging software packages (e.g., FSL, AFNI, SPM); 4) experience with collecting, processing and analyzing functional connectivity data; and 5) a strong publication record. Preference will be given to candidates who additionally have: 1) experience working with children (typically developing and/or with developmental disorders); and 2) experience with advanced analytic techniques (e.g., graph theory).

Position is for two years, but may be extended.

Interested applicants should send their CV, a cover letter describing their research interests and career goals, and contact info for 2-3 references to Dr. Jessica Cohen ([jrcohen@unc.edu](mailto:jrcohen@unc.edu)). Additional information can be found at: <http://cohenlab.web.unc.edu/>