

UNIVERSITY OF ILLINOIS  
AT URBANA - CHAMPAIGN

Beckman Institute for  
Advanced Science and Technology

405 North Mathews Avenue  
Urbana, IL 61801



**Postdoctoral Research Associate:  
Multi-Modal Approaches to Cognitive Network Neuroscience**

The **Control & Network Connectivity Team (CONNECTlab)** at the [Beckman Institute for Advanced Science and Technology](#), University of Illinois at Urbana-Champaign, is seeking a postdoctoral scientist with extensive neuroimaging or EEG experience to work on NIH-funded projects.

The CONNECTlab focuses on the role of large-scale neural communication and intrinsic brain activity in cognitive control and behavior. The majority of the brain's activity is not directly evoked by external events but is instead maintained intrinsically. Yet, the behavioral role of intrinsic brain activity/connectivity and their responsiveness to cognitive context are not well understood. To close this knowledge gap beyond the capabilities of individual data modalities, we use EEG, intracranial EEG, fMRI and concurrent EEG-fMRI. We apply whole-brain connectivity and network neuroscience approaches in healthy participants as well as psychiatric and neurological populations (major depression, brain lesions, neuro-Zika). We bring together many different talents in the lab, are supportive of each other, and love what we do. The Beckman Institute housing our lab offers a multi-disciplinary collaborative research environment and includes the [Biomedical Imaging Center](#) with two Siemens PRISMA MRI scanners and cutting-edge multi-modal neuroimaging capabilities.

The successful candidate is expected to have extensive experience in data analysis (MATLAB, Python or similar) and in research using EEG/MEG and/or fMRI. Although not required, priority will be given to candidates with experience in connectivity approaches in either modality. The postdoc researcher will develop, lead and publish research projects, design and implement required computations, and support mentoring of graduate students.

This is a two-year position, and funding is available for additional years. Salary is commensurate with experience of the applicant and will be based on levels comparable to NIH NRSA stipends (starting at \$50k/year). The start date is negotiable.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. For more information, visit <http://go.illinois.edu/EEO>.

Please send your CV and a short statement of interests to the director of the CONNECTlab, Dr. Sepideh Sadaghiani at [sepideh@Illinois.edu](mailto:sepideh@Illinois.edu)