

Postdoctoral Scholar - Biomedical Engineering

The Multimodal and Computational Neuroimaging Laboratory (MCNL) (<https://sites.psu.edu/mcnl/>) at The Pennsylvania State University is seeking postdoctoral scholars who will be responsible for analyzing neuroimaging data from large public databases, development, evaluation and application of statistical algorithms and implementation of these algorithms/methods into an advanced software toolbox. The focus of the research will be on development and evaluation of complexity analysis of neuroimaging data for novel biomarkers related to brain functions.

The position will be in the Biomedical Engineering (BME) Department and affiliated with the Institute for Computational and Data Sciences (ICDS) (<https://www.icds.psu.edu/>), as well as the Penn State Institute of Neurosciences of the Huck Institutes of the Life Sciences (<http://www.huck.psu.edu/>). Penn State BME department, ICDS, and Institute of Neurosciences provide a rich environment where faculty, research associates, postdocs and graduate/undergraduate students regularly interact and conduct collaborative studies. Affiliated faculty and students have access to the Institutes' state-of-the-art core facilities.

Qualified individuals will have a Ph.D. in Biomedical Engineering, Electrical Engineering, Computational Neuroscience/Psychology, or a related discipline. Preference will be given to candidates who have experience in neuroimaging, including functional MRI, EEG/MEG, diffusion imaging, MR brain morphometry. Demonstrated productivity in programming skills, particularly with MATLAB and Python will be considered a plus. Successful candidates will be highly motivated, detail oriented, work independently while displaying excellent communication and analytical skills.

Interested applicants should apply online and include:

- One-page cover letter
- Curriculum vitae with educational background, employment history, and a list of publications
- Two-page future research program statement
- The names, affiliations, and email addresses of three professional references

Selected candidates will be appointed as annually renewable post-doctoral scholar, with possible renewal depending on the continued availability of funds.

Review of applications will begin immediately and continue until the position is filled. Direct questions regarding the position to Xiao Liu (xxl213psu.edu), Assistant Professor of Biomedical Engineering.

Apply online at <https://apptrkr.com/2197173>

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics

and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.

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