

College of Engineering, Biomedical Engineering
Penn State University

The Translational Neuroimaging and Systems Neuroscience Lab (TNSNL) in the Biomedical Engineering department seeks a to fill two postdoctoral research positions to conduct studies on characterizing animal models of mental disorders by combining fMRI, electrophysiology, behavioral and optogenetic approaches. Both positions will be affiliated with the Penn State Institute of Neurosciences, as well as the Center for neural engineering. The applicant must have a PhD and/or MD degree in Neuroscience, Physiology, Biology, Biomedical Engineering, Physics or a related discipline. The successful candidate for the first position must have expertise in animal handling, behavioral testing, stereotaxic surgery and in vivo electrophysiology. Prior experience with fMRI and/or neuroimaging data analysis is a plus. The successful candidate for the second position must have strong background in fMRI, particularly resting-state fMRI techniques, and experience in functional and structural MRI data analysis. Animal imaging experience is desirable.

Applicants for both positions will be expected to demonstrate strong motivation, critical scientific thinking and creativity, design and conduct experiments, perform data analysis, assist with student training, and prepare manuscripts for publication. Candidates must have excellent interpersonal and communication skills. For additional information contact: Nanyin Zhang, Ph.D, Hartz Family Career Development Associate Professor, Huck Early Career Professor of Brain Imaging, Department of Biomedical Engineering, W341 Millennium Science Complex; The Pennsylvania State University Tel: 814-867-4791; Email: nuz2@psu.edu, www.bioe.psu.edu/labs/zhang-lab

Apply to job number 63935 at <https://psu.jobs>

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