A postdoc position is available immediately in the Neuroimaging and Applied Computational Anatomy Lab, Department of Psychiatry and Behavioral Sciences at the Northwestern University Feinberg School of Medicine. Our laboratory aims to develop multidimensional and multimodal neuroimaging biomarkers using the tools of computational anatomy. Working with collaborators from engineering, mathematics, psychology and clinical specialties, our research is focused on the following major areas: automated pipelines for mapping of brain structures using MRI, development of complex neuroimaging biomarkers, clinical applications in dementia, psychosis, mood disorders and genetics, neuroinformatics, and neuroimaging of animal models.

This position is for two years with the possibility of extension. It will be funded by a new NIA study: PREDICT-ADFTD: Multimodal Imaging Prediction of AD/FTD and Differential Diagnosis. The goal of the study is to use machine-learning technologies to develop predictive biomarkers that can distinguish bvFTD and AD, using well-characterized clinical, neurological and neuroanatomical data from multisite databases. Detailed project descriptions can be found here: [http://niacal.northwestern.edu/projects/32](http://niacal.northwestern.edu/projects/32). The successful applicant will work primarily on multimodal, longitudinal neuroimaging analysis in these and various other clinical populations.

Candidates should hold a Ph.D. in neuroscience, psychology, engineering or related fields. A strong publication record and background on neuroimaging research should be demonstrated. Experiences with machine learning and multimodal analysis are highly desirable. Applicants should have strong analytical skills and experience with existing tools for large-scale analysis of neuroimaging data (i.e., SPM, FSL, AFNI, FreeSurfer, 3D Slicer, etc.). Proficiency in relevant programming languages (e.g. MATLAB, Python) and statistical analysis (R, SAS, SPSS) is required. Working experience in epidemiological research or large-scale clinical studies is highly desirable.

The successful candidate must be capable of working independently and taking initiatives. The candidate is expected to be a team-player with excellent communication and writing skills. The position will be integrated closely with the existing collaborative environment. Additionally, supervision of graduate and medical students may be necessary.

Please send a letter of research interest, CV, and three references to Dr. Lei Wang (leiwang1@northwestern.edu).

_Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States._