University of Rochester

Postdoc Position in the Department of Biostatistics and Computational Biology at the University of Rochester.

Duties and Responsibilities:
We are seeking a highly motivated postdoctoral associate to work in the field of brain imaging and computational neuroscience. The overarching goal is for the candidate to develop state of the art statistical and machine learning methods to understand complex neuronal mechanisms behind normal aging and neurodegenerative diseases. The position will be primarily held in the Department of Biostatistics and Computational Biology, while jointly sponsored by the CogT Lab (https://www.cogtlab.com/), a clinical neuroscience lab focusing on successful cognitive aging and dementia prevention. The main research areas will include: (1) statistical brain imaging analysis, focusing on MRI (e.g., structural, functional and diffusional modalities) and PET data; (2) network analysis; (3) functional and shape data analysis; (4) theoretical and clinical background on cognitive aging and dementia. The candidate will also have opportunities to participate in research protocol design and data collection related to monitoring cognitive aging and dementia.

Position Qualifications:
The candidate should hold a doctoral degree in a quantitative field, such as statistics, biostatistics, bioinformatics, computational biology, computer science, mathematics or physics, with interest in imaging data analysis, functional and shape data analysis. Candidates with strong computational skills (proficient in one of the programming languages, C/C++, Python, R and Matlab) are especially encouraged to apply. The University of Rochester is an Affirmative Action, Equal Opportunity Institution. Women and minority candidates are strongly encouraged to apply.

Salary Range:
Commensurate with skills and experience

Length of position:
2 years (the position may be extended or promoted upon initial performance).

Benefits:
Salary is commensurate with qualifications and will be equal to or exceed NIH postdoctoral stipends. Benefits will be in accordance with the University of Rochester’s standard postdoctoral benefits.

Application Information:
Please email the following materials to zhengwu_zhang@urmc.rochester.edu and fengvankee_lin@urmc.rochester.edu (1) A Cover Letter; (2) Curriculum Vitae; and (3) Contact information of 3 References.