Postdoctoral Research Position
University of Rochester

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

Duties and Responsibilities:
A postdoctoral research fellowship (up to 2 years) is available under the direction of Ashkan Ertefaie, PhD (Associate Professor of Biostatistics, University of Rochester) and Michael McDermott, PhD (Professor of Biostatistics, University of Rochester). This position is supported by an NIH-funded grant focused on adjusting for partial compliance in sequential decision making. The Fellow will also have access to an unprecedented harmonized dataset stored at the Department of Biostatistics and Computational Biology. The Fellow will receive dedicated mentorship, with the expectation that their time as a Fellow will advance their career development. The expectation is that the duration of this position will be two years, and is intended to prepare the Fellow for successful placement in an academic tenure-track appointment at a major research university. Alternatively, it can provide a candidate who has deferred an appointment with an opportunity to engage and collaborate with faculty on high-quality research projects prior to starting their permanent position.

A major focus of this postdoctoral research fellowship will be on a National Institute of Neurological Disorders and Stroke-funded study entitled "Advancing personalized medicine in Parkinson's disease using harmonized multi-site clinical data". The broad objective of the project is to develop methodologies that can be used to adjust for noncompliance in constructing individualized treatment strategies using longitudinal observational data.

Position Qualifications:
The candidate should hold a doctoral degree in a quantitative field, such as statistics, biostatistics, or computer science. Preference will be given to candidates with research experience in some of the following areas:
(1) precision medicine, (2) causal inference methodology, (3) longitudinal data, and (4) machine learning. 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.

Length of position:
The position is available for 12 months initially with possibility of renewal for a second year by mutual agreement.

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 ashkan_ertefaie@urmc.rochester.edu : (1) A Cover Letter; (2) Curriculum Vitae; and (3) Contact information of 3 References.