Postdoctoral Research Position
University of Rochester

Postdoc Position: Department of Biostatistics and Computational Biology, University of Rochester.

Duties and Responsibilities: Department of Biostatistics and Computational Biology at the University of Rochester is seeking a highly motivated Postdoctoral Research Fellow with formal training in Biostatistics, Statistics, or related field. Successful candidate will be advised by Abdus S. Wahed, PhD (Professor of Biostatistics, University of Rochester). This position, to be based at the University of Rochester, is supported by a Patient-Centered Outcome Research Institute (PCORI) sponsored contract on developing statistical methods for dynamic treatment regimes (DTR) and Sequential Multiple Assignment Randomized Trial (SMART). The fellow will also work on a multi-center clinical trial designed to identify best blood transfusion practices for pediatric patients with traumatic injury supported by the Biomedical Advanced Research and Development Authority (BARDA). 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.

The postdoctoral research fellow will focus on developing novel methodologies for the design and analysis of SMARTs with the objective of optimizing DTRs, with a particular focus on competing risks, missing data, and counterfactual modeling under the PCORI sponsored project. The fellow will further work on the "Massive Transfusion in Children-II (MATIC-II) l", a BARDA-sponsored Phase 3 Bayesian cluster-randomized multi-center cross-over clinical trial.

Position Qualifications: At the time of appointment, the candidate must 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) competing risk analysis; (2) causal inference; (3) dynamic treatment regimes; and, (4) machine learning. Candidates with strong computational skills and proficient in either of the programming languages Python, R, and C++ 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.

Salary and Benefits: Salary is subject to the pay range $55,341 - $69,000 and considerations noted below. Benefits will be in accordance with the University of Rochester's standard postdoctoral benefits.

> *The pay range of $55,341 - $69,000 represents the minimum and maximum compensation for this job. Individual annual salaries/hourly rates will be set within the job's compensation range, and will be determined by considering factors including, but not limited to, market data, education, experience, qualifications, expertise of the individual, and internal equity considerations.*

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