Company Information: The University of Pennsylvania is a prestigious institution with the inclusive policies, innovative work, and impactful engagement of our faculty, students, and staff. The Perelman School of Medicine ranked 3rd among the best medical schools in the United States in 2016. The Department of Biostatistics, Epidemiology and Informatics at Perelman School of Medicine has excellent program in education and research.

Position Title: Postdoctoral Research Fellow

Duties and Responsibilities: We are recruiting a postdoctoral research fellow for statistical and computational methods for big data in healthcare systems, with applications to disease prevention and evidence-based medicine. The fellow is expected to develop novel methods in areas such as missing data, measurement errors, dynamic risk prediction, data/evidence integration, and statistical learning, that are motivated from massive healthcare data (e.g., electronic health record data, national pharmacovigilance data, clinical trial data from distributed research networks). The position will join the research group of Dr. Yong Chen, and the fellow is expected to collaborate with investigators within and beyond Penn School of Medicine.

Examples of application areas include (but are not limited to): (1) Dynamic risk prediction models using VAERS (Vaccine Adverse Event Reporting System) data; (2) Methods to account for information bias and/or missing data in electronic health record data; (3) Integration of healthcare data to inform personalized medical decision-making using PEDSnet data (https://pedsnet.org/).

Dr. Yong Chen’s research website: https://dbe.med.upenn.edu/biostat-research/YongChen

Position Qualifications: Doctoral degree in Biostatistics, Statistics, or a related quantitative field. Strong theoretical training in statistics and computing (R and C) are desired. Excellent communication skills and good track record of writing scientific papers. Experience in statistical theory and methods development (e.g., missing data, measurement error, statistical inference), statistical learning, and comparative effectiveness research is preferred. The position is available immediately and for up to three years.

Salary Range: Competitive.

Benefits: Will be a University of Pennsylvania employee and get the usual benefit, see https://www.med.upenn.edu/postdoc/

Website: http://www.dbei.med.upenn.edu/

Application Information: Apply as soon as possible and we will continue searching until the position is filled. Please send a CV, two sample publications/manuscripts of the applicant, and names of three reference letters to Dr. Yong Chen (ychen123@upenn.edu) with subject line: 2017 Postdoc position: <Applicant’s last name, first name>, to inquire about the position.

Contact Email: ychen123@upenn.edu

Application Deadline: NA