**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 postdoctoral research fellows for development of 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 dynamic risk prediction, statistical learning, data/evidence integration, missing data, and measurement errors, that are motivated from massive healthcare data (e.g., electronic health record data, national pharmacovigilance data, clinical data from distributed research networks). The fellow will join the research group of Dr. Yong Chen, and is expected to collaborate with investigators at Penn School of Medicine and at Children's Hospital of Philadelphia.

Examples of areas of particular interest include (but are not limited to): (1) Dynamic risk prediction; (2) Methods to account for information bias and/or missing data in electronic health record data; (3) Evidence synthesis using large healthcare data to inform clinical decision-making.

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

**Position Qualifications:**

- Doctoral degree in Biostatistics, Statistics, Computer Science, Epidemiology, Data Science, Engineering, or a related quantitative field.

- Strong theoretical training in statistics and computing (Python and R) are desired.

- Excellent communication skills and good track record of writing scientific papers.

- Experience in statistical theory and methods development, machine 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/](https://www.med.upenn.edu/postdoc/)

**Website:** [http://www.dbei.med.upenn.edu/](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 (yclen123@upenn.edu) with subject line: 2018 Postdoc position: <Applicant’s last name, first name>, to inquire about the position.

Contact Email: ychen123@upenn.edu

Application Deadline: NA