Position Title: Postdoctoral Fellow in Biostatistics and Machine Learning at University of Pennsylvania

Company Information: The University of Pennsylvania, the largest private employer in Philadelphia, is a world-renowned leader in education, research, and innovation. This historic, Ivy League school consistently ranks among the top 10 universities in the annual U.S. News & World Report survey. Penn has 12 highly-regarded schools that provide opportunities for undergraduate, graduate and continuing education, all influenced by Penn's distinctive interdisciplinary approach to scholarship and learning.

Penn offers a unique working environment within the city of Philadelphia. The University is situated on a beautiful urban campus, with easy access to a range of educational, cultural, and recreational activities. With its historical significance and landmarks, lively cultural offerings, and wide variety of atmospheres, Philadelphia is the perfect place to call home for work and play.

Duties & Responsibilities: The Department of Biostatistics, Epidemiology and Informatics at the University of Pennsylvania Perelman School of Medicine invites applications for multiple post-doctoral fellow positions in Dr. Qi Long's research group (https://www.med.upenn.edu/long-lab/) with a starting date in 2021. The positions are open until filled and the appointment is for two years, with a possible extension for a third year.

These positions will offer opportunities to develop statistical and machine methods for analysis of big health data such as -omics data and electronic health records (EHRs) data. The following research areas are of particular interest: 1) statistical and machine learning methods for analysis of electronic health records (EHRs) data including, but not limited to, the methods at the intersection of causal inference and machine learning; and 2) statistical and machine learning methods for algorithmic fairness.

These positions are expected to develop independence in methodological research through activities such as writing peer-reviewed publications for research conferences and journals, giving presentations at research conferences, and assisting in grant proposal development. There will be opportunities for the successful candidate(s) to be co-mentored by Dr. Long's collaborators in statistics and informatics. Collaborations with other group members are encouraged. In addition, the successful candidate(s) will have opportunities to conduct collaborative research in areas such as cancer and Alzheimer's disease.

The starting date is negotiable. If desired, the successful candidate(s) can start immediately.

We seek candidates who embrace and reflect diversity in the broadest sense. The University of Pennsylvania is an EOE. Minorities/Women/Individuals with disabilities/Protected Veterans are encouraged to apply.

Position Qualifications: Ph.D. degree in biostatistics, statistics, computer science, or related quantitative fields. The following skills are desirable but not all of them are required: excellent methodological training in statistics and/or machine learning; excellent programming skills in R/Matlab/Python and possibly one lower level computer language such as C/C++; excellent writing and oral communication skills.

Benefits: https://www.med.upenn.edu/postdoc/

Application Instructions: Applicants should email a cover letter, research statement, CV, and contact information (email and phone) for three references to Dr. Qi Long, qlong@upenn.edu (Subject line: Biostatistics/ML Postdoc, 2021 Spring).