University of Pennsylvania Perelman School of Medicine, Division of Biostatistics: two post-doctoral fellows

The Division of Biostatistics at the Perelman School of Medicine, University of Pennsylvania invites applications for up to 2 post-doctoral fellow positions under the supervision of Dr. Qi Long. The position(s) are open until filled and the appointment is for two years, with a possible extension for a third year. The successful candidate will have opportunities to develop methods and algorithms for analysis of big biomedical data, with applications to electronic health records (EHRs) data, omics data (including gene expression data, SNP data, and metabolomics data etc.), and mobile health data. We are particularly interested in applicants with expertise in a) deep learning methods particularly for analysis of EHRs data for deep phenotyping, prediction of disease risk, prognosis and progression, and identification of disease subtypes etc.; b) distributed learning and optimization for data analysis in distributed health data networks. The successful candidate will develop independence in research through given presentations and writing peer-reviewed publications for research conferences and journals, and develop grant applications. Extensive interactions with graduate students and other postdocs are expected. In addition, the successful candidate will also have opportunities to conduct collaborative research in areas such as cancer and cardiovascular diseases.

The successful candidate can start immediately and the starting date is negotiable.

More information about our ongoing research can be found on Long Research Group's website, [http://group-qilong.rhcloud.com/](http://group-qilong.rhcloud.com/).

Position Qualifications: Ph.D. degree in biostatistics, statistics, computer science, or related quantitative fields. Excellent programming skills in R/Matlab/Python and possibly one lower level computer language such as C/C++, and excellent written and oral communication skills are desirable. Expertise and experience in the following areas are preferred: deep learning; distributed learning and optimization. Strong methodological training in statistics is considered a plus.

Benefits: [www.med.upenn.edu/postdoc](http://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@pennmedicine.upenn.edu (Subject line: Long postdoc, 2017).