

**02/14/2018**  
**Postdoctoral position**  
**University of Pennsylvania**

**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:** Post-doctoral scientist

The Department of Department of Biostatistics, Epidemiology and Informatics at University of Pennsylvania invites applications for a postdoctoral position in statistics/informatics working with Professor Yong Chen and Professor Mary Regina Boland, along with other collaborators in Penn School of Medicine and Children's Hospital of Philadelphia to begin in summer 2018.

This post-doctoral scientist position will provide the opportunity to work on big clinical data sets with an interdisciplinary team. It will prepare the postdoctoral fellow for an independent career in research on statistics and medical informatics, software development, and teaching.

This position would be joint between Dr. Chen and Dr. Boland's research laboratories focusing on development of informatics and statistical methods that integrate data/evidence to learn novel clinical knowledge. The focus will be on methods/algorithm development with a goal of contributing software/algorithms and making them shareable in open platforms (e.g., github, shared research websites). One example project will be developing informatics algorithms that utilize Electronic Health Record data to understand the effects of environmental exposures on fertility and associated medical conditions. This may include developing bias reduction methods, distributed computing algorithms, and/or risk prediction models.

More details about Dr. Chen's and Dr. Boland's research are available via their Lab websites, Dr. Boland's URL: <http://www.med.upenn.edu/bolandlab>, Dr. Chen's URL: <https://dbe.med.upenn.edu/biostat-research/YongChen>

Applicants should have a Ph.D. in either Statistics, Computer Science, Biostatistics, Biomedical Informatics, Applied Mathematics, Engineering, or a related field prior to the start date. This post-doctoral scientist position is available immediately and is renewable up to three years. Salary ranges from \$50,000-\$85,000, with the addition of Penn health benefits, based on the experience and credentials of the applicant. Factors that will be taken into consideration include, computational experience, research experience (e.g., publication record, grant experience), and medical expertise (PhD, MD/PhD, MD).

**Duties and Responsibilities:**

- Develop statistical analysis pipelines for processing information from electronic health records, including clinical notes
- Develop and implement methods for bias reduction in comparative effectiveness studies
- Develop risk prediction models using large scale Electronic Health Records
- Draft manuscripts for statistical and/or medical informatics journals, and for medical journals describing results of data analyses
- Programming/Data Analysis
- Develop software for dissemination

**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 referees to Dr. Yong Chen ([ychen123@upenn.edu](mailto:ychen123@upenn.edu)) and Dr. Mary Boland ([bolandm@upenn.edu](mailto:bolandm@upenn.edu)) with subject line:

2018 Chen and Boland labs Postdoc position: <Applicant's last name, first name>, to inquire about the position.

Contact Email:

[ychen123@upenn.edu](mailto:ychen123@upenn.edu)

[bolandm@upenn.edu](mailto:bolandm@upenn.edu)

**Application Deadline:**

04/30/2018