



## Post-Doctoral Fellow

The Department of Biostatistics, University of Michigan School of Public Health invites applications for a post-doctoral research fellow, to be working in the area of electronic health records, gene-environment interaction, shrinkage estimation and statistical methods for analyzing biobank data in collaboration with [Dr. Bhramar Mukherjee](#). Candidates should have a doctoral degree in Biostatistics, Statistics, Mathematics, Computer Science, Human Genetics, Epidemiology, Bioinformatics or any related quantitative field. A qualified candidate will have a demonstrated track-record of successful research as evidenced by papers, software and preprints. Strong written and communication skills are desired along with a passion for conducting impactful and influential scientific research. The successful applicant for this position will work in a team of graduate students, post-doctoral fellows, staff and faculty colleagues. Experience in R programming is required, programming in Python, C++ or other programming language, a broad interest in computational statistics and developing R packages and scalable algorithms is an added plus.

Expertise or experience in any of the following areas will be helpful: Bayesian methods, causal inference, high-dimensional statistics, machine learning, mediation, missing data, sample survey, selection and shrinkage methods. This is a two-year position with a possible third year. Salary and benefits are competitive. Considerations of applications will begin immediately and continue until the position is filled.

Applicants should submit a cover letter, CV, name and contact information of three references to:

Davina Barron, B.Sc.  
1415 Washington Heights  
Ann Arbor, MI 48109-2029  
Email: [davinab@umich.edu](mailto:davinab@umich.edu)  
Phone: 734-936-0458

**The start is flexible but ideally the candidate can start early in 2019.**

The [University of Michigan School of Public Health](#) (UMSPH) is internationally recognized for its excellence, and has been ranked consistently as a premier entity. Since its organization in 1941, the School has produced a cadre of prominent public health leaders (for example, thirteen American Public Health Association presidents have been University of Michigan faculty or graduates). The School aims to provide an understanding of the health aspects of human beings, their interaction with the biological, physical, and social environment, and the application of this knowledge to community health problems.

The [Department of Biostatistics](#) within UMSPH is ranked number one in the nation by the National Research Council. The department consists a thriving body of 46 faculty, 202 students and 111 research and administrative staff members. The department has been at the forefront of research and training in Biostatistics. Department faculty have active, well-funded research programs emphasizing development of statistical methods and their application to biomedicine. Direct cost grant funding for 2017 was \$27 million. The Department has close ties with the Department of Statistics, the Institute for Social Research, the Medical School, the Michigan Institute for Data Science, The Institute of Health Policy and Innovation and other research groups across campus. The University of Michigan offers competitive salaries and excellent benefits. Ann Arbor is a progressive city of about 118,000 year-round residents, and approximately 43,000 students, with excellent schools and a wide variety of sporting and musical activities. It is rated very highly in national surveys for its quality of life and has the amenities of a city many times its size.