

Tenure track positions, all ranks

“Environmental Biostatistics” and “Biostatistical Data Science”

The Division of Biostatistics in the Department of Population and Public Health Sciences (pphs.usc.edu) at the University of Southern California (USC) is recruiting to fill two tenure-track positions. Positions are available at all ranks, with preferences for early career candidates that have established interests in the fields of Environmental Biostatistics and Data Science. We seek individuals with strong academic records to join our Division of over 20 faculty and to contribute to our active research and educational programs. Central to the mission of the Division are the development of novel statistical methods, collaboration with other research groups in our Department, and education of the next generation of biostatisticians. We prefer candidates who are interested both in developing novel techniques and in leading data analyses as part of collaborative teams, although those with primary focus in either methods development or collaborative research will also be considered.

For the Data Science position, we seek an applicant with a demonstrated interest in statistical methods, deep learning and/or applications related to ‘big data’ that arise in genetic epidemiology, environmental epidemiology, public health, and/or clinical trials. For the Environmental Biostatistics position, we seek an applicant with a demonstrated interest in statistical methods and/or applications related to environmental epidemiology, respiratory health, cardiovascular health, and/or cancer; exposures of ongoing interest in our department include air pollution, tobacco smoke, alcohol, pesticides, metals, and diet, as well as various ‘omic’ indicators of exposure and genetic and genomic interactions with environmental risk factors.

The Biostatistics Division has established strength and many collaborative relationships with other investigators in the Department and in the Keck School of Medicine. Areas of current research strength include integrative genomics, spatial statistics, environmental risk factors, and gene-environment interactions, including both statistical methods development and applications to a wide range of traits (cancer, asthma, diabetes, and cardiovascular outcomes). In addition to developing and applying methods to the analysis of complex traits, faculty in our Division also direct statistical cores as parts of large Centers, including the Norris Cancer Center, Children’s Oncology Group, Environmental Health Center, and Clinical and Translational Science Institute. Our Division administers Ph.D. and M.S. degrees in Biostatistics and Epidemiology, and a new M.S. in Public Health Data Science. The successful candidate will be encouraged to participate in teaching activities.

The Department of Population and Public Health Sciences at the Keck School of Medicine includes over 100 faculty members in six Divisions and consistently ranks as the top funded public health-related department within a U.S. medical school.

The University of Southern California (USC), founded in 1880, is the largest private employer in the City of Los Angeles. As an employee of USC, you will be a part of a world-class research university and a member of the “Trojan Family,” which is comprised of the faculty, students and staff that make the university what it is. The University of Southern California strongly values diversity and is committed to equal opportunity in employment. Women and men, and members of all racial and ethnic groups, people with disabilities, and veterans are encouraged to apply.

Please visit the following website to submit your application, including CV, personal statement, and 3 references:

[Population and Public Health Sciences Environmental Biostatistics \(Tenure Track\) at USC](#)

[Population and Public Health Sciences Biostatistics Data Science \(Tenure Track\) at USC](#)

Questions can be directed to: Jim Gauderman, Ph.D., Professor and Chief, Div. of Biostatistics, Email: JimG@usc.edu

