

# Keck School of Medicine of USC

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Assistant Professor

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 Division of Environmental Health at the Keck School of Medicine (KSOM), USC has an international reputation as a hub of world-class environmental health centers including the Southern California Environmental Health Sciences Center (SCEHSC), the Southern California Children’s Environmental Health Center (SC-CEHC), the Maternal And Developmental Risks from Environmental and Social Stressors (MADRES) Center, and the Life Course Approach to Developmental Repercussions of Environmental Agents on Metabolic and Respiratory Health (LA DREAMERS).

The Division of Environmental Health at KSOM invites applications for a post-doctoral research associate position in environmental epidemiology to conduct cutting-edge research investigating the influence of environmental pollutant exposures on health risks including adverse birth outcomes, cardiometabolic diseases and autism in longitudinal cohorts. The position is funded by NIH-supported environmental pollution (endocrine disrupting chemicals and air pollution) and complex disease projects. The ideal candidate will have expertise in environmental health, epidemiology and/or biostatistics who can perform large population research and write scientific papers under the mentorship of the study PI. The postdoctoral researcher is expected to conduct statistical analysis independently and be familiar with clinical study, data collection, epidemiological study design and statistical methods applied for large longitudinal cohort studies and environmental chemical data. Candidates who have experience and interest to conduct big data science and omics research are preferred.

As a postdoctoral researcher at USC, fellows will have the opportunity for advanced multidisciplinary training through coursework in any of the Department’s graduate programs including Epidemiology and Biostatistics as well as other departments at USC. Fellows will also have numerous opportunities for career development training through meetings, seminars and workshops hosted by SC-CEHC and KSOM. The enriched career development program will help early investigators develop essential skills for an independent research career, including grant and manuscript writing, scientific presentation, and collaboration with multidisciplinary teams.

Post-doctoral fellows must have a doctoral degree in a relevant field (epidemiology, environmental health sciences, genetics, biostatistics, bioinformatics, molecular or computational biology, etc.), and have demonstrated interest in environmental health and disease prevention. Intermediate to advanced skills with at least one statistical and/or programming software is required, e.g., SAS, R and Python. Interested candidates should submit a letter outlining their research and training objectives, CV, and reprints of any relevant publications. Address applications to Dr. Zhanghua Chen at ([zhanghuc@usc.edu](mailto:zhanghuc@usc.edu)).

