

POST-DOCTORAL FELLOWSHIP IN CLIMATE CHANGE, SUSTAINABILITY, AND PLANETARY HEALTH

The **University of Southern California** is seeking postdoctoral fellows in a new interdisciplinary program in Climate Change, Sustainability, and Planetary Health. The aim is to develop urgently needed research on health and equity consequences and opportunities in the response to the climate crisis. The program focuses on Los Angeles as a model city for developing climate change mitigation and adaptation solutions that will have equity and health co-benefits and can be scaled up to Southern California and to other large metropolises. California leads the U.S. effort to reduce greenhouse gas consumption, and the mayor's Green New Deal for Los Angeles is in the vanguard of this effort. Los Angeles is one of the most diverse cities in the U.S. and has large health and environmental disparities, including urban features such as tree canopy and transportation access, that are relevant to climate change and climate equity. Applicants are encouraged to apply from backgrounds in epidemiology and biostatistics, risk assessment, transportation and urban planning, economics, sociology, health services, exposure assessment; and from environmental health, spatial, nutrition, data or system sciences.

USC has a major new research, teaching and operations initiative on climate change, sustainability, and planetary health. This is an exciting opportunity for postdoctoral fellows to work with faculty mentoring teams to develop new research on health and equity co-benefits of interventions to reduce the carbon footprint of transportation, building design, and food consumption. Examples of current projects include study of the health and equity co-benefits of alternative solutions to mitigate or adapt to: (1) effects of co-exposures to extreme heat and wildfire air pollution on mortality and on depression, the adaptive impact of green space and parks and policy-relevant urban planning interventions; (2) effects of different medical center design and operations interventions on carbon footprint and waste, opportunities for employment in marginalized communities, and reductions in commuting; (3) effects of transportation interventions to reduce travel time for the "last mile" to public transportation on transit use; (4) effects on GHG of multifaceted interventions to improve nutritional quality and reduce meat consumption in marginalized neighborhoods, using a community-based and systems analysis approach; (5) effects of alternative strategies for parks development and tree planting policy on "heat islands" and urban equity. Health impact analysis and health metrics to evaluate effects on health is a key area of methods development.

The university is known for its mentored approach to graduate and postgraduate education, in particular in the health and population sciences. In addition to individual mentorship in their research area, with a focus on career development, fellows will have the opportunity for advanced multidisciplinary training through coursework across the university. Fellows will also have opportunities for collaboration, various enrichment activities, including access to funds for pilot projects and if desired for experience in teaching pre-doctoral trainees and undergraduate students.

Post-doctoral fellows must have completed a Ph.D. in a relevant field and interest in developing a career in health or health disparities, urban policy or planning features of the climate crisis and sustainability. U.S. citizenship or permanent residency (green card holders) is not a requirement for these positions. Applications from underrepresented minorities are particularly encouraged.

Interested candidates should submit a letter outlining their research and training objectives (one page), CV with prior academic record, reprints of any relevant publications, and names of three references. Address applications to Drs. Rob McConnell and Howard Hu at srock@usc.edu. Applications will be accepted until all positions are filled.