The University of California, Berkeley seeks applicants for a tenure track (assistant professor) position in the area of “Climate Change and Air Pollution,” with a potential start date of July 1, 2021. The successful candidate will be invited to join the Division of Environmental Health Sciences in the UC Berkeley School of Public Health.

Rapid global changes are underway in energy, transport, wildfires, urbanization and agriculture, with profound implications for air pollution and the climate system. These evolving changes in climate and air pollution will profoundly impact public health, particularly in vulnerable and socially marginalized populations, including children, pregnant women, older adults, workers, communities of color, and the poor. Understanding and managing these health risks requires timely, robust data on pollutants, their sources and emissions, and their dispersion across the landscape, within households, neighborhoods, and across continents and oceans. Novel technologies are urgently needed for collection of pollutant and exposure data, and new statistical and computational approaches are needed for analysis and interpretation. This search invites applicants from all eligible scholars working at the intersection of climate change, air pollution, and public health. Priority research areas include, but are not limited to:

- links between new sources of air pollution, climate change, and the public health benefits from potential control/mitigation strategies, especially those targeted toward vulnerable communities;
- molecular mechanisms and biomarkers activated by exposures to air pollutants and interactions with other stressors;
- computational and molecular approaches for measuring impacts of air pollution and climate change on the exposome;
- models to better understand the impacts of decarbonization policies on air quality and exposures in vulnerable communities;
- new approaches for inference, drawing on causal methods in epidemiology and econometrics, such as quasi-experimental study designs;
- novel measurement, modeling, and analytical methods to characterize air pollution exposures in vulnerable communities, such as: low-cost sensors, source apportionment, mobile monitoring, satellite remote sensing, and air quality models;
- interaction between indoor and outdoor air pollution and related impacts on climate change;
- laboratory research to identify links between aerosol physicochemical properties affected by climate change and biological outcomes.

This list is meant to illustrate the wide breadth of this search. Applicants with research at any point of intersection between air pollution, climate change, and public health will receive full consideration. Given the mission of UCB SPH, this search will prioritize those applicants with a strong potential for public-health focused scholarship.

Candidates would teach undergraduate and graduate courses in their areas of expertise, such as environmental health policy, the health effects of global environmental change, risk analysis and health impact assessment, atmospheric pollutant monitoring and modeling, aerosol characterization methods, and exposure science. Competitive candidates will demonstrate potential to maintain a research program with deep linkages to epidemiologic approaches needed for advancing scientific understanding of the
health impacts of climate change-driven air pollution on vulnerable populations, and to cultivate multi-disciplinary and productive collaborations across campus.

Minimum qualifications: Ph.D. Sc.D. (or equivalent international degree), or enrolled in Ph.D., Sc.D., or equivalent international degree-granting program at the time of application.

Preferred qualifications: Successful applicants are expected to develop a nationally recognized research program that includes research initiatives in the realms of climate change and air pollution. We are particularly interested in candidates whose work engages topics of relevance to environmental equity. We seek rising leaders from diverse fields including, but not limited to, epidemiology, environmental health sciences, civil and environmental engineering or related fields of relevance to environmental health. Candidates should demonstrate evidence of strong research productivity, potential for securing extramural funding, and a commitment to excellence in teaching and mentoring of undergraduates, graduate students, and post-docs. We are particularly interested in scholars with a commitment and track record of promoting diversity, equity and inclusion in the realms of research, teaching and/or service. At Berkeley, we recognize the intrinsic relationship between diversity and excellence in all our endeavors and embrace open and equitable access to opportunities for learning and development as our obligation and goal.

Applications should be submitted online at [https://aprecruit.berkeley.edu/apply/JPF02731] by the deadline of November 13, 2020. Applications should include the following PDF files: (1) cover letter; (2) curriculum vita; (3) statement of research (including past research accomplishments and proposed research at Berkeley); (4) statement of teaching and service (including prior teaching experience, teaching philosophy, future teaching interests, prior and proposed academic, professional and/or community service); (5) statement of contributions to diversity equity and inclusion (DEI). Please note that this DEI statement may be evaluated as a standalone document and should, therefore, include all relevant information, even if aspects are also discussed in other submitted materials. See https://ofew.berkeley.edu/recruitment/contributions-diversity/support-faculty-candidates for helpful guidelines on writing these statements. (6) Three publications (journal articles, book chapters, dissertation chapters or other appropriate products); and (7) 3-5 letters of reference. All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality (http://apo.berkeley.edu/evalltr.html) prior to submitting their letters. Please direct inquiries to juliaschuelke@berkeley.edu or emilychow@berkeley.edu

UC Berkeley is committed to addressing the family needs of faculty, including dual career couples and single parents. We encourage candidates who have had non-traditional career paths, or who have taken time off for family reasons, to apply for this position. The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct.