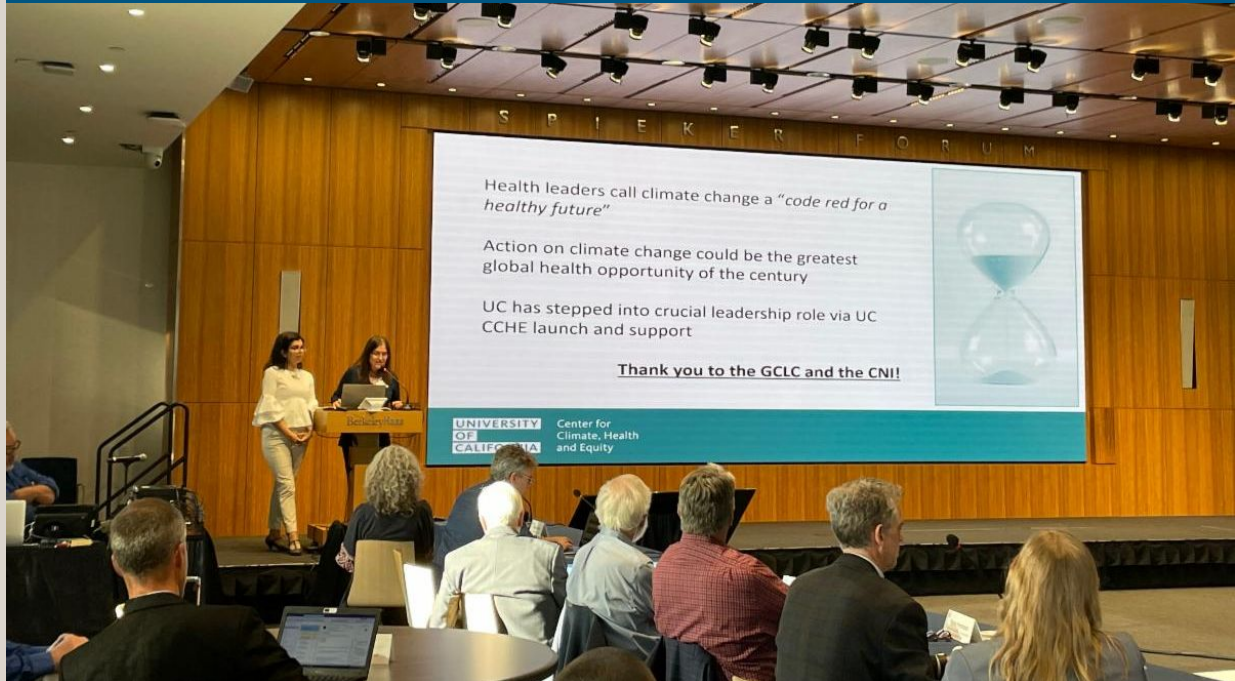


## CCHE End of Year Reflections



### Season's Greetings

This has been an exciting year for the UC Center for Climate, Health and Equity, beginning with our [formal launch](#) in the Spring. Since then, the Center joined the National Academy of Medicine's Climate Collaborative as a [Network Organization](#), is serving on the [National Academies Climate Security Roundtable](#), and was appointed to the [Joint Commission's Environmental Sustainability Technical Advisory Panel](#). We finished out the year [presenting at the United Nations Climate Change Conference \(COP-27\)](#) and to the [University of California's Global Climate Leadership Council \(GCLC\)](#).

Integral to these achievements has been the faculty and fellows throughout the University of California system whose inspiring efforts are carrying out the Center's mission through our four pillars of work – policy, health system sustainability, research, and education – as well as through our new initiative, the Climate Change and Mental Health Council.

### Upcoming Opportunities in 2023

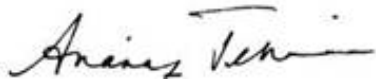
[Project Coordinator](#)

[Perioperative Decarbonization Fellowship](#)

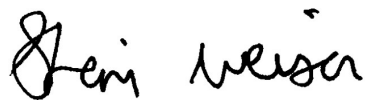
[Support for UC-CSU ECCLPS Climate and Environmental Justice Literacy](#)

As the calendar year comes to a close, and we reflect on our mission and the work ahead, we are excited about what 2023 holds. We are humbled by the compassion and drive in our students, faculty, and staff working toward addressing the climate and health crisis. Our vision is to continue to create opportunities to foster collaboration, community, innovation, and action in the Center.

Thank you all for your support during our first year.



**Arianne Teherani**, Founding Co-Director



**Sheri Weiser**, Founding Co-Director

## Meet Our Faculty Co-Chairs

*Meet the Faculty Co-Chairs of each of our four pillars – Research, Education, Health System Sustainability, and Policy – and those leading our new initiative, the Climate Change and Mental Health Council.*



**Orlando Harris**  
Education Co-Chair



**Oladele Ogunseitan**  
Education Co-Chair





**Seema Gandhi**  
Health Systems Co-Chair



**Rais Vohra**  
Health Systems Co-Chair



**Laura Schmidt**  
Policy Co-Chair



**Emily Arnold**  
Policy Co-Chair



**Tarik Benmarhnia**  
Research Co-Chair



**David Eisenman**  
Research Co-Chair

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[Elissa Epel](#), Director of UC Climate Change and Mental Health Council



[Jyoti Mishra](#), Associate Director of UC Climate Change and Mental Health Council

## Meet Our Fellows

Hi Students!

My name is Qiao (pronounced “Ciao”), and I am a Center Fellow for 2022-23. A little more about myself: I’m currently a third year PhD Candidate at the UCLA Fielding School of Public Health. My research focus is on bringing equitable energy transition policies to disadvantaged community members by quantifying the health benefits from zero-emission vehicles.



I am excited to help the Center grow in its engagement of students throughout the University of California, and in 2023, the Center will be excited to share:

- A spreadsheet that lists all UC-wide climate, health, and equity-related courses that students can sign up for, and
- Brown bag talks that feature UC faculty that are offering climate, health, and equity courses.

In the meantime, **I wanted to introduce you to our other Center Fellows for 2023**, who are representing many UC campuses and working on a variety of Center initiatives:

- We have 4 fellows supporting the work of the 4 Center Pillars: **Emma Lasky** from UC Berkeley (Education), **Mira Miles** from UC Davis (Health Systems), **Kameko Washburn** from UC Irvine (Policy), and **Kasem Salim** from UC Merced (Research)
- **Erika Strickler** from UC Irvine, **Gunnar Mattson** from UCSF, and **Karly Hampshire** from UCSF are our Fellows supporting the Planetary Health Reportcard Initiative
- **Nayelie Benitez** at UCSF is supporting the UC Systemwide Carbon Neutrality Initiative
- **Allan Ndovu** at UCSF is supporting the Center’s climate and health research

I’m looking forward to communicating more with you in 2023,  
**Qiao Yu**, Center for Climate, Health and Equity Fellow for 2022-23

## Did You Know?...A California Policy Update

*An update about California’s plans for carbon neutrality from [Dr. Manijeh Berenji](#), the Center’s new Academic and Community Partnerships*





Advisor.

The California Air Resources Board (CARB) recently approved the final version of its [2022 Scoping Plan for Achieving Carbon Neutrality](#). The Scoping Plan is a strategy CARB develops and updates every five years, as required by Assembly Bill 32 (the California Global Warming Solutions Act of 2006). The statute required by California law sets targets for percent reductions in greenhouse gas emissions.

The Plan notes the relationship between climate and health – specifically, that the health costs of climate and air pollution in the U.S. are well over

\$800 billion today!

The 2022 Scoping Plan aims to reduce the state of California's own environmental footprint by having the State achieve carbon neutrality by 2045, through actions such as reducing demand for petroleum and building offshore wind capacity.

What are the potential health benefits of this Plan? With a reduction in emissions and therefore air pollution, there will be a significant decrease in the number of hospitalizations, lost workdays, and lost school days, equating to \$199 billion worth of economic savings, as stated by the Plan.

I myself am excited to see what comes of this Plan and what this means for climate action by the state!

**Manijeh Berenji, MD, MPH, FACOEM**

Academic and Community Partnerships Advisor, Center for Climate, Health and Equity  
Chief of Occupational Health, VA Long Beach Healthcare System / UC Irvine School of Medicine

## Center for Climate, Health and Equity Recent Publications



**An Accessible Clinical Decision Support System to Curtail Anesthetic Greenhouse Gases in a Large Health Network: Implementation Study**

**Analysis of Heavy Rainfall in Sub-Saharan Africa and HIV Transmission Risk, HIV Prevalence, and Sexually Transmitted Infections, 2005-2017**

**Calling to Action Our Personal Behaviors in Mitigating Climate Change**

**Chronic Exposure to Fine Particulate Matter Increases Mortality Through Pathways of Metabolic and Cardiovascular Disease: Insights From a Large Mediation Analysis**

**Climate Change and Emergency Medicine Course in Academic Life in Emergency Medicine**

**Climate Change and Mental Health Curricula: Addressing Barriers to Teaching**

**Climate Change, Women's Health, and the Role of Obstetricians and Gynecologists in Leadership**

**Drought and Migration: An Analysis of the Effects of Drought on Temporary Labor and Return Migration from a Migrant-sending Area in Nepal**

**Drought, HIV Testing, and HIV Transmission Risk Behaviors: A Population-Based Study in 10 High HIV Prevalence Countries in Sub-Saharan Africa**

**Effect of a Multisectoral Agricultural Intervention on HIV Health Outcomes Among Adults in Kenya**

**Environmentally Sustainable Brachytherapy Care**

**Global Warming Will Bring More Heat Waves—and Greater Health Risks**

**How Do Environmental Characteristics Jointly Contribute to Cardiometabolic Health? A Quantile G-Computation Mixture Analysis**

**How Should Health Systems Science Promote Health Systems' Sustainability**

**Impact of lowering fine particulate matter from major emission sources on mortality in Canada: A nationwide causal analysis**

**Inequities in Ambient Fine Particulate Matter: A Spatiotemporal Analysis in Canadian Communities**

**Interview Without Harm: Reimagining Medical Training's Financially and Environmentally Costly Interview Practices**

**Notes from the Field: Harmful Algal Bloom Affecting Private Drinking Water Intakes**

**Sociodemographic Predictors of Depression in US Rural Communities During COVID-19: Implications for Improving Mental Healthcare Access to Increase Disaster Preparedness**

**The Climate Change and Mental Health Task Force: One Academic Psychiatry Department's Efforts to Heed the Call to Action**

**The Mental Health and Well-Being Effects of Wildfire Smoke: A Scoping Review**

**The Role of Neighborhood Air Pollution Exposure on Somatic Non-Small Cell Lung Cancer Mutations in the Los Angeles Basin (2013-2018)**

**Using the Generalized Synthetic Control Method to Estimate the Impact of Extreme Weather Events on Population Health**

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