

Stanford



Jessica Yu

Physical Science Research Scientist
Policy Institutes

Bio

BIO

Jessica Yu joined the Climate and Energy Policy Program (CEPP) and the Woods Institute for the Environment as a Postdoctoral Fellow in September 2022. Her current research focuses on the development of generalized public health guidance and best practices for protecting vulnerable populations from the health impacts of wildfire smoke. Working within an interdisciplinary team at CEPP, her goal is to continue applying and expanding her scientific skills to address the emerging threats of wildfire and other climate change-related policy challenges in California and beyond.

Prior to joining Stanford, she completed her PhD in Population and Public Health at the University of British Columbia and an MSc in Global Health at McMaster University, where she worked on occupational and environmental health research with slum and mining communities in India and South Africa. Beyond academia, she's interested in learning how policy, technology, and social entrepreneurship can be leveraged to address inequalities in global environmental health and devise pro-equity and community-level solutions.

ACADEMIC APPOINTMENTS

- Physical Science Research Scientist, Policy Institutes

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Affiliate, Stanford Center for Human and Planetary Health (2025 - present)

Publications

PUBLICATIONS

- **Contributions of Acute Wildfire Smoke Exposure to Excess Mortality from the 2025 Los Angeles Fires** *ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS*
Topperwien, K., Yu, J., Ihme, M.
2025