

## New Voices' One Health Webinar Series: Exploring linkages among environmental, human and plant wellbeing

### Climate change, threats to human health, and health system resilience

June 13, 2023 1 pm – 2pm



**Dr. Meghana Gadgil** is an Associate Professor of Medicine at the University of California San Francisco and the UC Berkeley School of Public Health. She leads The Better Lab, a human-centered design venture at UCSF as the Director of Innovation. Dr. Gadgil also co-directs the UCSF Climate, Health and Sustainability Education Initiative, and is the UC Berkeley faculty co-lead for the UC Center for Climate Health Equity. Her clinical practice is in hospital medicine at San Francisco General Hospital.

Dr. Gadgil received her dual undergraduate degrees and Masters in Public Health (MPH) from UC Berkeley. She completed her medical degree (MD) at the University at Buffalo, and trained in Internal Medicine at Stanford in the Global Health Track.

Prior to joining the University of California in 2020, Dr. Gadgil was faculty at Dell Medical School at UT Austin, she worked as an award winning- academic hospitalist and had positions at the Design Institute for Health, the Value Institute, and in the Division of Global Health.

Dr. Gadgil's research interests include health system resilience in response to climate change and environmental health vulnerabilities, and the innovative applications of human-centered design to understand and address complex, system-level challenges that cross disciplines. She has also been engaged in research, advocacy, and mentorship to improve gender equity in medicine. Dr. Gadgil's clinical foci include the care of vulnerable populations, medical education, and capacity building in low-resource settings.

Dr. Gadgil is a Fellow of both the American College of Physicians and Society of Hospital Medicine.



**Dr. Hussam Mahmoud** is the George T. Abell Professor in Infrastructure in the Department of Civil and Environmental Engineering at Colorado State University (CSU) and is the director of the Structural Laboratory. He obtained his BSc and MSc in civil engineering from the University of Minnesota and his PhD from the University of Illinois at Urbana-Champaign (UIUC). Prior to pursuing his Ph.D., he was the manager of the NEES Earthquake Laboratory at the UIUC. Prior to arriving to UIUC he was a research scientific focusing on deteriorated infrastructure at Lehigh University. Dr. Mahmoud's research program has three major thrusts including assessing community resilience and socio-technical recovery following extreme events with emphasis on schools on hospitals as social institutions, quantifying building damage to extreme single and multiple

hazards, and evaluating and proposing repairs and inspection intervals for deteriorated infrastructure with focus on bridges, ships, and underwater systems. He has authored over 230

publications and has given more than 100 presentations including 80 invited talks at national and international conferences. He has chaired and served on numerous technical committees, including the ASCE Committees on Fire Protection, Multi-hazard Mitigation, and Steel Bridges. He is the recipient of various awards, and he has been invited to various U.S. National Academies Frontiers symposia. His research has received media coverage through citations and interviews in numerous venues, including Nature Climate Change, Smithsonian Magazine, the Independent, The Economist, CBS Denver, CBS Egypt, and CNN.



**Dr. Kinari Webb** is the founder of Health In Harmony, an international nonprofit dedicated to reversing global heating, understanding that rainforests are essential for the survival of humanity, and a cofounder of Alam Sehat Lestari (ASRI). Dr. Webb graduated from Yale University School of Medicine with honors and currently splits her time between Indonesia, international site assessments, and the San Francisco Bay Area. *Guardians of the Trees* is her debut.

Moderated by



**Dr. Meghan Lane-Fall** is the David E. Longnecker Associate Professor and Vice Chair of Inclusion, Diversity, and Equity for the Department of Anesthesiology and Critical Care at the Perelman School of Medicine at the University of Pennsylvania, where she also has a secondary faculty appointment in epidemiology. She is the founding co-director of the Penn Center for Perioperative Outcomes Research and Transformation, Director of Acute Care Implementation Research at the Penn Implementation Science Center of the Leonard Davis Institute of Health Economics, and Director of Research and Scholarship for the Penn Center for Healthcare Improvement and Patient Safety.

Dr. Lane-Fall is a practicing physician with board certification in anesthesiology and critical care medicine. She is also a researcher whose work bridges implementation science, improvement science, and human factors engineering. Her innovative team-based NIH-funded research is based in acute care settings, combining approaches from multiple disciplines to facilitate the uptake and sustained use of evidence-based practices. She has a particular interest in handoffs, patient safety, communication, and teamwork, and has methodological expertise in the use of qualitative and mixed methods approaches to scientific inquiry. Finally, Dr. Lane-Fall is a dedicated teacher and mentor committed to equipping emerging scholars with the skills to conduct paradigm-shifting research.