NATIONAL ACADEMIES *Sciences*
Engineering
Medicine

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

April 11, 2023 at 3 pm Eastern time

Title: Building Equity into Emerging Technologies: What is the path forward as we face urgent challenges in energy, AI, and medicine?

Tia Lyles-Williams is a 3x Life Science Startup Founder - Founder & CEO of LucasPye BIO, a Contract Development Manufacturing Organization, Founder & CEO of HelaPlex, the 1st Commercial Life Science Accelerator for Life Science Start-Ups and Virtual Biotechnology Companies and Founder & CEO of Jackson Taylor Therapeutics. She has dedicated her career to the biotech/biopharma industries - including bioprocessing development, building large-scale bioprocessing facilities, developing/training/leading teams and commercializing proprietary biological assets via global regulatory affairs. Tia is a Bio-Manufacturing Executive with 22+ years of Commercial Life Science experience - including cGLP Laboratory Operations, cGMP bioprocessing Operations and Global Regulatory Affairs. Tia is also an alum of Howard University (BSc. in Biology), Full Sail University (M.S. in Business) and University Southern California (M.S. in Regulatory Science). Most recently, Tia was most recently a speaker at the 2022 White House Summit for Biotechnology and the Bioeconomy in the U.S.

Aditi Verma is an Assistant Professor in the Department of Nuclear Engineering and Radiological Sciences at the University of Michigan. Aditi is broadly interested in how nuclear technologies specifically and complex systems broadly—and their institutional infrastructures—can be designed in more just, equitable, and participatory ways that are epistemically inclusive of both lay and expert perspectives.

She was previously a Stanton Nuclear Security Postdoctoral Fellow at the Belfer Center's Project on Managing the Atom and the International Security Program. Prior to her appointment at the Belfer Center, Aditi worked at the OECD Nuclear Energy Agency, where she led the establishment of the Global Forum on Nuclear Education, Science, Technology, and Policy. Aditi has also previously held positions at the International Atomic Energy Agency, Framatome (formerly Areva), and the Center for the Study of Science, Technology, and Policy.

Aditi holds undergraduate and doctoral degrees in Nuclear Science and Engineering from MIT. Her work, authored for academic as well as policymaking audiences, has been published in Nuclear Engineering and Design, Nature, Nuclear Technology, Issues in Science and Technology, Bulletin of the Atomic Scientists, and Inkstick.

Priya Donti is the Co-founder and Executive Director of Climate Change AI, a global non-profit initiative to catalyze impactful work at the intersection of climate change and machine learning, which she is currently running through the Cornell Tech Runway Startup Postdoc Program. She will also join MIT EECS as an Assistant Professor in Fall 2023. Her research focuses on machine learning for forecasting, optimization, and control in high-renewables power grids. Specifically, her work explores methods to incorporate the physics and hard constraints associated with electric power systems into deep learning workflows. Priya received her Ph.D. in Computer Science and Public Policy from Carnegie Mellon University, and is a recipient of the MIT Technology Review's 2021 "35 Innovators Under 35" award, the ACM SIGEnergy Doctoral Dissertation Award, the Siebel Scholarship, the U.S. Department of Energy Computational Science Graduate Fellowship, and best paper awards at ICML (honorable mention), ACM e-Energy (runner-up), PECI, the Duke Energy Data Analytics Symposium, and the NeurIPS workshop on AI for Social Good.