

Environmental Health: Learning from our past to better our future.

Dr. Michelle Bell

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Abstract: Environmental conditions are responsible for over 12 million deaths per year, accounting for nearly 1 in 4 deaths globally, according to the World Health Organization (WHO). This public health burden is a higher than that of HIV/AIDS, drug use, alcohol, and smoking combined. In the United States alone, over 100 million people living in areas exceeding health-based air quality standards. However, the benefits and harms of environmental conditions are not shared equally, raising concerns of environmental justice. Further, climate change is amplifying these risks, such as through higher levels of air pollution and rising ambient temperature. This seminar will review several key themes and pressing challenges in environmental health research, addressing topics such as green gentrification, confined animal feeding operations (CAFOs), environmental migration, and the health impacts of climate change. Dr. Bell will share her team's work through several research vignettes that highlight important findings and ongoing challenges in the field.

Bio: Dr. Michelle Bell is the Mary E. Pinchot Professor of Environmental Health at the Yale University School of the Environment, with secondary appointments at the Yale School of Public Health, Environmental Health Sciences Division; the Yale School of Engineering and Applied Science, Department of Chemical and Environmental Engineering; and the Yale Jackson School of Global Affairs. Her research investigates how human health is affected by environmental conditions, including air pollution, weather, and greenspace. Other research interests include the health impacts of climate change and environmental justice. Much of this work is based in epidemiology, biostatistics, and environmental engineering. The research is designed to be policy-relevant and contribute to well-informed decision-making to better protect human health and benefit society. She holds degrees from the Massachusetts Institute of Technology (MIT) (B.S. Environmental Engineering Science), Stanford University (M.S. Environmental Engineering and Science), University of Edinburgh (M.Sc. Philosophy of Epistemology, Ethics, and Mind), and Johns Hopkins University (M.S.E. Environmental Management and Economics, Ph.D. Environmental Engineering). Dr. Bell is the most highly cited female scholar at Yale. She has published over 400 peer-reviewed publications and was elected to the National Academy of Medicine.



This event will be followed by a reception for faculty, staff, and grad students in 400SN

168 SN
Nov 14, 2024
3pm - 4pm EST
4pm: Reception

