



THE AMERICAN  
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HANS ARNHOLD CENTER

## *Invitation*

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*Bayer Lecture in Health & Biotech*

# CONFRONTING THE THREATS OF ANTIMICROBIAL RESISTANCE

Thursday, February 23, 2023

Lecture - 7:30 p.m.

**Mary Wilson**

Clinical Professor of Epidemiology and Biostatistics  
University of California, San Francisco

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Widespread use of antimicrobial agents has altered the abundance, distribution, and levels of antimicrobial resistance globally. Though modern antibiotics are essential for treating and preventing infections, they can also alter the microbes that humans and other biological systems need to survive. Moreover, antibiotic residues contaminate soil, rivers, and other surface waters—causing widespread changes in microbial communities. Mary Wilson addresses the importance of understanding the main drivers of antimicrobial resistance and looks to the benefits of specific interventions from a One Health perspective, which takes into account the interconnectedness of humans, animals, and the environment.

**Mary Wilson** is Clinical Professor of Epidemiology and Biostatistics at the University of California, San Francisco, and Adjunct Professor of Global Health and Population at the Harvard T.H. Chan School of Public Health. She received a BA from Indiana University and MD from the University of Wisconsin-Madison and completed an internal medicine residency and infectious diseases fellowship at Beth Israel Hospital in Boston. Wilson's academic interests include antibiotic resistance, the ecology of infections and emergence of microbial threats, travel medicine, tuberculosis, and vaccines. She was a resident scholar at the Bellagio Study Center and a fellow at the Center for Advanced Study in Behavioral Sciences at Stanford University.

**Registration required by February 16, 2023.**

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