

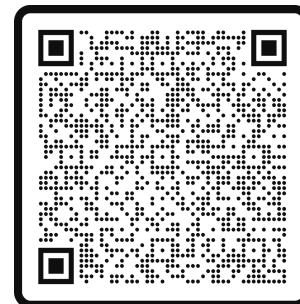


22nd Annual Microbial Sciences Symposium

Friday, November 7, 2025

Science and Engineering Complex | Harvard University

For speaker bios, talk information, and poster abstracts, use the QR code to navigate to the digital abstract book



12:50 – 1:00 pm

Welcoming Remarks

Drs. Michael Gilmore, Peter Girguis (MSI Faculty Co-Directors), and Lila Witt (MSI Program Manager)

1:00 – 2:40 pm

Session 1

Kazuki Nagashima – Department of Molecular and Cellular Biology, Harvard University

High Resolution View of Immune Modulation by the Gut Microbiome and Diet

Ben Taylor – Department of Organismic and Evolutionary Biology, Harvard University

The microbes that mediate soil carbon responses to warming temperatures

Smita Gopinath – Department of Immunology & Infectious Disease, Harvard T.H. Chan School of Public Health

Vaginal microbiome and antiviral immunity

Shira Weingarten-Gabbay – Department of Microbiology, Harvard Medical School; Broad Institute

Illuminating the viral dark proteome to advance our understanding on antiviral immunity

David Johnston – Department of Earth and Planetary Sciences, Harvard University

Aerobic respiration: a gateway to estimating global oxygen production

Carolyn Elya – Department of Molecular and Cellular Biology, Harvard University

*The last of fung(us): Mechanisms of fruit fly behavioral manipulation by the killer fungus *Entomophthora muscae**

2:40 – 3:00 pm

Coffee & snack break in West Atrium

3:00 – 4:45 pm

Session 2

Yonatan Grad – Department of Immunology & Infectious Disease, Harvard T.H. Chan School of Public Health

How antibiotic use shapes microbial lineage dynamics

Samantha Miranda – Broad Institute

Translating the Message: Functional Impacts of Quorum Sensing Diversity

Thomas Bernhardt – Department of Microbiology, Harvard Medical School

Control of peptidoglycan synthesis during polar growth

Lynn Bry – Department of Pathology, Brigham and Women's Hospital

Talk title TBA

Markus Basan – Department of Systems Biology, Harvard Medical School

Homeostasis of bacterial biomass density

Braden Tierney – Department of Biomedical Informatics, Harvard Medical School; The Two Frontiers Project

Walking the line between human and environmental microbiology

Closing remarks by Drs. Peter Girguis and Michael Gilmore

4:45 – 7:00 pm

Poster session & reception in West Atrium