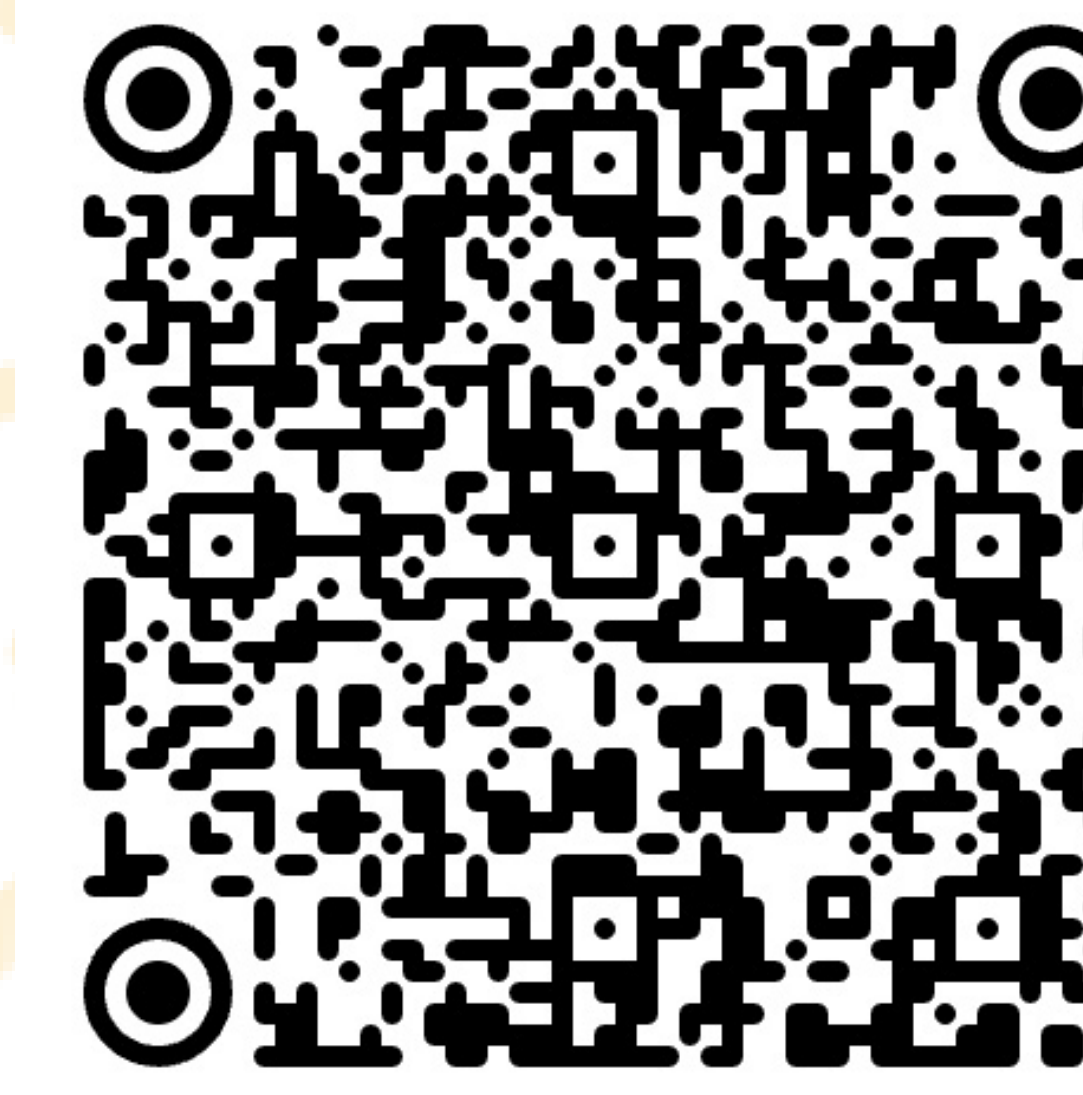


ONE HEALTH MICROBIOME SYMPOSIUM

MAY 13 - 14, 2026



Huck Life Sciences Building
Penn State University, University Park, PA

Scan for Symposium Website

Wednesday, May 13, 2026 - Day 1

8:00 - 10:00 A.M. Registration Open - Life Sciences Building First Floor Lobby
 8:00 - 8:30 A.M. Poster Setup - Life Sciences Bridge, Third Floor
 8:30 - 9:30 A.M. Poster Session #1 (Odd Numbered Posters) & Breakfast - Life Sciences Bridge, Third Floor
 9:40 - 10:00 A.M. Opening Remarks from **Penn State President Neeli Bendapudi** and One Health Microbiome Center Leadership - Berg Auditorium

Session 1: Human Health - Berg Auditorium

10:00 - 10:50 A.M. **Keynote: Arturo Casadevall, MD PhD** | Johns Hopkins University
The States of Host-Microbe Interactions

10:50 - 11:10 A.M. **Keith Crandall, PhD** | George Washington University
Genomic Language Models for Microbiome Characterization

11:10 - 11:30 A.M. **Laura Weyrich, PhD** | Penn State University
Oral Microbiome Transplantation Reduces Dental Caries Development and Periodontitis Bone Loss in Preclinical Models

11:30 - 11:45 A.M. **QIAGEN**

12:00 - 1:45 P.M. Lunch - Life Sciences Lawn (provided) & Sourdough Workshop - **Ashley Ohstrom** | Penn State University

Session 2: Environmental Health - Berg Auditorium

1:45 - 2:35 P.M. **Keynote: Joy Bergelson, PhD** | New York University
Ecological Drivers of the Microbiome

2:35 - 2:55 P.M. **Marta Cerruti, PhD** | Lawrence Berkeley National Laboratory
Integrated Multi-Omics and Machine Learning Approaches to Identify Drivers of Soil Carbon Persistence in Agricultural Soils

2:55 - 3:15 P.M. **Talon Jost** | Penn State University
Genomic Characteristics Underpinning Fungal-Inhibiting Functions in Host-Associated Bacteria

3:15 - 3:20 P.M. **Applied Microbiology International**

3:30 - 4:15 P.M. Industry Coffee Break - Life Sciences Building Ground Floor Lobby

Session 3: Trainee Lightning Talks - Berg Auditorium

4:30 - 5:00 P.M. **Daniela Tizabi, PhD** | Lawrence Berkeley National Laboratory
Jessica Gaydos | Penn State College of Medicine
Marina Naumova | Penn State University
Min Soo Kim | Penn State University
Luana Bresciani | Penn State University

6:00 - 8:00 P.M. Reception | Hintz Alumni Center

2026 Symposium Sponsors:



Thursday, May 14, 2026 - Day 2

8:00 - 9:30 A.M. Breakfast - Life Sciences Bridge, Third Floor
 8:00 - 8:30 A.M. Poster Setup - Life Sciences Bridge, Third Floor
 8:30 - 9:30 A.M. Poster Session #2 (Even Numbered Posters) - Life Sciences Bridge, Third Floor

Session 4: Integrated One Health - Berg Auditorium

9:45 - 10:30 A.M. **Keynote Panel: Joy Bergelson, Martin Wiedmann, Seth Bordenstein, Laura Weyrich**
The Future of One Health and Microbiome Sciences

10:35 - 10:55 A.M. **Celeste Allaband, DVM, PhD** | University of California San Diego
Microbes, Metabolites, and Mammals - Tracking Early Life Development in Elephants, Rhinos, and Humans

10:55 - 11:15 A.M. **Jeremiah Minich, PhD** | Baylor University
Advances in Long-Read Metagenomics Enabling Temporal, Comparative Genomics Applied to Childhood Undernutrition

11:15 - 11:30 A.M. **Eric Antonian** | Penn State University
PFAS Drive Antimicrobial Resistance

11:45 - 1:15 P.M. Lunch - Life Sciences Lawn (provided) & Bioinformatics Workshop - **Middle Author Bioinformatics**

Session 5: Agricultural Health - Berg Auditorium

1:30 - 2:20 P.M. **Keynote: Martin Wiedmann, DVM, PhD** | Cornell University
A One Health Approach to Building Resilient Food Systems

2:20 - 2:40 P.M. **Livleen Kaur** | Penn State University
Microbial Diversity and Disease Relationships in the Phyllosphere Revealed Through Successive Microbiome Passaging

2:40 - 3:00 P.M. **Nan Wu, PhD** | Duke University, HHMI
Optimized Gnotobiotic Bag Platform Expands Plant-Microbiome Interaction Research and Agricultural Applications

3:00 - 3:30 P.M. Industry Coffee Break - Life Sciences Building Ground Floor Lobby

3:30 - 4:00 P.M. Awards, Discussions, and Closing Remarks - Berg Auditorium