

Microbiome Resources at Penn State

Agenda

- 9:00 AM – 9:30 AM Microbiome Center Introduction by Carolee Bull
- 9:30 AM – 10:00 AM Microbiome Courses by Mary Ann Bruns
- 10:00 AM – 10:30 AM Introduction to DAWG by Mara Cloutier
- 10:30 AM – 11:00 AM Macrobes for Microbes by Caylon Yates
- 11:00 AM – 12:00 PM Microbiome Center Seminar by Javier del Campo
- 12:00 PM – 1:00 PM Lunch Break
- 1:00 PM – 1:15 PM Introduction to Core Facilities by Darrell Cockburn
- 1:15 PM – 1:45 PM Metabolomics Core Introduction by Bipin Rimal
- 1:45 PM – 2:15 PM Sequencing Core Introduction by Craig Praul
- 2:15 PM – 2:45 PM Bioinformatics Introduction by Istvan Albert

Carolee Bull

- Professor and Head of Plant Pathology and Environmental Microbiology
- Director of the Microbiome Center

Mary Ann Bruns

- Associate Professor of Soil Microbiology and Biogeochemistry
- Microbiome Center Executive Board Member and head of the Curriculum committee

Mara Cloutier

- PhD student in Soil Microbiology and Biogeochemistry
- Founder and leader of DAWG

Caylon Yates

- PhD student in Plant Pathology and Environmental Microbiology
- Vice President, treasurer and other roles with the Microbes for Macrobes student club

Microbiome Center Speaker

- Javier del Campo
- Assistant Professor Department of Marine Biology and Ecology - Rosenstiel School of Marine and Atmospheric Science
- Works on prokaryotic and eukaryotic microbes, with some cool work isolating and characterizing novel taxa, performing single cell genomics
- [Beyond the zooxanthellae, exploring the diversity of coral associated microeukaryotes](#)

Introduction to Core Facilities

- <https://www.huck.psu.edu/core-facilities>
- <https://med.psu.edu/core-facilities>
- <https://www.mri.psu.edu/materials-characterization-lab/mcl-characterization-techniques>
- <https://www.icds.psu.edu/computing-services/>

Andrew Patterson

- Introduction to metabolomics
- Professor of Molecular Toxicology, Department of Veterinary and Biomedical Sciences

Craig Praul

- Director of the Genomics Core Facility of the Huck Institute

Istvan Albert

- Professor of Bioinformatics