



NTHRYS WORKSHOPS

Ecological And Environmental Systems Microbiology

8:45 AM - 10:15 AM: Session 1: Microbial Ecology in Systems Biology

Hands-on workshop on microbial ecology.
Protocols for studying microbial diversity and community dynamics within ecosystems using systems biology approaches.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Environmental Microbiomes and Biogeochemical Cycles

Practical session on environmental systems.
Protocols for studying the role of microbial communities in biogeochemical cycles, including carbon, nitrogen, and sulfur cycling.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microbial Communities in Extreme Environments

Hands-on training on extreme environments.

Protocols for studying microbial systems in extreme environments such as hydrothermal vents, deserts, and polar regions.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Systems Approaches to Studying Soil Microbiology

Practical session on soil microbiology.

Protocols for studying soil microbial communities using systems biology techniques to understand their roles in soil health and plant growth.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes