



NTHRYS WORKSHOPS

Advanced Techniques In Aquatic Microbiology

8:45 AM - 10:15 AM: Session 1: Molecular Techniques in Aquatic Microbiology

Introduction to molecular techniques used in aquatic microbiology.
Practical demonstration of DNA extraction, PCR, and sequencing.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Aquatic Biogeochemistry

Overview of microbial processes in aquatic biogeochemical cycles.
Hands-on workshop on measuring microbial activity and biogeochemical parameters.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microbial Biofilms in Aquatic Systems

Introduction to the formation and function of microbial biofilms.
Practical session on studying biofilm communities in aquatic environments.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Aquatic Pathogens and Public Health

Discussion on aquatic pathogens and their impact on public health.
Case studies on monitoring and controlling waterborne diseases.

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