



NTHRYS WORKSHOPS

Advanced Techniques In Petroleum Microbiology

8:45 AM - 10:15 AM: Session 1: Advanced Petroleum Microbiology Techniques

Introduction to advanced techniques in petroleum microbiology.
Hands-on session on using next-generation sequencing, metagenomics, and other methods.
Practical demonstration of advanced petroleum microbiology applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Microbial Biodegradation of Hydrocarbons

Exploring microbial biodegradation of hydrocarbons.
Workshop on identifying and characterizing hydrocarbon-degrading microorganisms.
Case studies on the applications of petroleum microbiology in bioremediation.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microbial Corrosion in Oil and Gas

Hands-on session on studying microbial corrosion in oil and gas systems.
Exploring techniques for detecting and mitigating microbial corrosion.
Practical applications of petroleum microbiology in managing corrosion.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Integrative Omics in Petroleum Microbiology

Workshop on integrating multi-omics data in petroleum microbiology research.
Practical techniques for combining genomics, proteomics, and metabolomics.
Case studies on the role of integrative omics in advancing petroleum microbiology.

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