



NTHRYS WORKSHOPS

Phylodynamics Of Antibiotic Resistance

8:45 AM - 10:15 AM: Session 1: Tracking the Evolution of Antibiotic Resistance

Hands-on workshop on antibiotic resistance.

Protocols for tracking the evolution of antibiotic resistance genes in microbial populations using phylodynamic models.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Phylogenetics of Resistance Gene Transfer

Practical session on horizontal gene transfer.

Protocols for studying the spread of antibiotic resistance genes via horizontal gene transfer in bacteria using phylogenetic techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Phylodynamic Models for Predicting Resistance Spread

Hands-on training on predicting resistance spread.
Protocols for modeling the future spread of antibiotic resistance using phylodynamic approaches and epidemiological data.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Evolutionary Dynamics of Multi-Drug Resistance

Practical session on multi-drug resistance.
Protocols for studying the evolutionary dynamics of multi-drug resistant pathogens and their spread in clinical settings.

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