



NTHRYS WORKSHOPS

Advanced Techniques In Molecular Phylogenetics

8:45 AM - 10:15 AM: Session 1: Advanced Molecular Techniques

Introduction to advanced techniques in molecular phylogenetics.
Hands-on session on using next-generation sequencing, phylogenomics, and other methods.
Practical demonstration of advanced molecular phylogenetics applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Comparative Genomics

Exploring comparative genomics approaches in phylogenetics.
Workshop on comparing whole genomes to infer evolutionary relationships.
Case studies on the applications of comparative genomics in phylogenetics.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Population Genetics and Phylogeography

Hands-on session on studying population genetics and phylogeography.
Exploring techniques for analyzing genetic structure and geographic distribution.
Practical applications of molecular phylogenetics in understanding population dynamics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Coalescent Theory and Bayesian Inference

Workshop on coalescent theory and Bayesian inference in phylogenetics.
Practical techniques for using coalescent models and Bayesian methods.
Case studies on the role of coalescent theory in understanding evolutionary processes.

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