



NTHRYS WORKSHOPS

Emerging Tools And Techniques In Phylodynamics

8:45 AM - 10:15 AM: Session 1: New Computational Tools for Phylodynamics

Hands-on workshop on new tools in phylodynamics.
Protocols for using the latest computational tools and software for phylodynamic analysis,
including advancements in high-performance computing.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Machine Learning and AI in Phylodynamics

Practical session on machine learning integration.
Protocols for applying machine learning and artificial intelligence to enhance phylodynamic
models and predictions.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Phylodynamic Models for Metagenomics

Hands-on training on phylodynamics for metagenomic data.

Protocols for integrating metagenomic data into phylodynamic studies to explore community evolution and dynamics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: High-Resolution Phylodynamics for Microbial Communities

Practical session on microbial phylodynamics.

Protocols for applying phylodynamic models to study the evolution and interactions of microbial communities in high resolution.

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