



## NTHRYS WORKSHOPS

# Innovations In Molecular Phylogenetics

### 8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Molecular Phylogenetics

Introduction to emerging technologies in molecular phylogenetics.  
Hands-on session on using advanced tools and techniques in phylogenetic research.  
Case studies on innovative applications of new technologies in molecular phylogenetics.

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

Networking and refreshments.

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

Exploring the role of AI and machine learning in phylogenetic research.  
Workshop on developing predictive models using AI and ML.  
Case studies on the applications of AI in enhancing molecular phylogenetics research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Integrative Omics in Phylogenetics**

Hands-on session on integrating multi-omics data in phylogenetic research.  
Exploring techniques for combining genomics, proteomics, and metabolomics.  
Practical applications of integrative omics in molecular phylogenetics research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Directions in Molecular Phylogenetics**

Discussion on emerging trends and future directions in molecular phylogenetics.  
Workshop on integrating new technologies in phylogenetic research.  
Case studies on the potential impact of future innovations in molecular phylogenetics.

### **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**