Molecular Phylogenetics In Biodiversity Research

8:45 AM - 10:15 AM: Session 1: Role of Molecular Phylogenetics in Biodiversity Research

Overview of the importance of molecular phylogenetics in biodiversity research.
Hands-on session on studying biodiversity using molecular techniques.
Case studies on the impact of molecular phylogenetics in understanding species diversity.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Conservation Genetics

Exploring the role of molecular phylogenetics in conservation genetics.
Workshop on using phylogenetic methods to identify conservation priorities.
Case studies on the applications of molecular phylogenetics in biodiversity conservation.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Phylogenetic Diversity and Community Ecology

Hands-on session on studying phylogenetic diversity and community ecology.
Exploring techniques for analyzing the phylogenetic structure of communities.
Practical applications of molecular phylogenetics in understanding ecosystem function.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Environmental DNA (eDNA) and Metabarcoding

Workshop on using eDNA and metabarcoding in biodiversity studies.
Practical techniques for detecting and identifying species from environmental samples.
Case studies on the role of molecular phylogenetics in non-invasive biodiversity monitoring.

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