Innovations In Molecular Ecology

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

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

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 Molecular Ecology

Exploring the role of AI and machine learning in molecular ecology.
Workshop on developing predictive models using AI and ML.
Case studies on the applications of AI in enhancing molecular ecology 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 Molecular Ecology

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

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

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