



Molecular Phylogenetics Workshops

Molecular Phylogenetics Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Molecular Phylogenetics. Explore our comprehensive offerings below

[Molecular Phylogenetics Workshops Application Process](#)

[Back to All Workshops](#)

Innovate and Inspire: Molecular Phylogenetics Workshops Designed for You!

1. [Workshop in Introduction to Molecular PhylogeneticsPDF](#)
2. [Workshop in Advanced Techniques in Molecular PhylogeneticsPDF](#)
3. [Workshop in Molecular Phylogenetics in Biodiversity ResearchPDF](#)
4. [Workshop in Innovations in Molecular PhylogeneticsPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Molecular PhylogeneticsPDF](#)

1. Workshop in Introduction to Molecular Phylogenetics

+

Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Basics of Molecular Phylogenetics

Overview of molecular phylogenetics principles and applications.

Hands-on session on studying evolutionary relationships using molecular data.

Introduction to the importance of molecular phylogenetics in understanding the tree of life.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Techniques in Molecular Phylogenetics

Interactive session on techniques used in molecular phylogenetics.

Workshop on using DNA sequencing, multiple sequence alignment, and phylogenetic tree construction.

Practical demonstration of molecular phylogenetics techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Evolutionary Models and Tree Inference

Exploring evolutionary models and tree inference methods.

Hands-on training on selecting and applying models of sequence evolution.

Case studies on the role of molecular phylogenetics in inferring evolutionary relationships.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Molecular Clock and Divergence Time Estimation

Workshop on molecular clocks and divergence time estimation.
Practical techniques for estimating the timing of evolutionary events.
Case studies on the applications of molecular phylogenetics in understanding the tempo of evolution.

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

2. Workshop in Advanced Techniques in Molecular Phylogenetics

+

Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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

3. Workshop in Molecular Phylogenetics in Biodiversity Research

+

Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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

4. Workshop in Innovations in Molecular Phylogenetics

+

Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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

5. Workshop in Ethical and Regulatory Perspectives in Molecular Phylogenetics

+

Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Ethical Considerations in Phylogenetic Research

Overview of ethical issues in molecular phylogenetics research.

Case studies on ethical dilemmas in studying and applying phylogenetic techniques.

Workshop on addressing ethical considerations in phylogenetic research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Regulatory Frameworks for Phylogenetic Research

Exploring regulatory guidelines and requirements for molecular phylogenetics

research.

Case studies on navigating regulatory challenges.

Workshop on understanding international regulatory frameworks.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Public Perception and Communication

Workshop on improving public understanding of phylogenetic research.

Techniques for effective science communication.

Case studies on public engagement and education initiatives.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Policy and Planning for Phylogenetic Research

Discussion on policy and planning for sustainable molecular phylogenetics research.

Case studies on effective policies and planning strategies.

Workshop on integrating ethical and social considerations in phylogenetic research.

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

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

NTHRYS Workshops Department

M: +91-7993084748

Email: workshops (a t) nthrys [d0t] com

Molecular Phylogenetics Workshops Application Process

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops (a t) nthrys [d 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.