



Enzymology Workshops

Enzymology Workshops

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

[Enzymology Workshops Application Process](#)

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Uncover the Secrets of Enzymology: Pick Your Workshop!

1. [Workshop in Introduction to EnzymologyPDF](#)
2. [Workshop in Advanced Techniques in EnzymologyPDF](#)
3. [Workshop in Enzymology in Medical and Health SciencesPDF](#)
4. [Workshop in Innovations in EnzymologyPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in EnzymologyPDF](#)

1. Workshop in Introduction to Enzymology

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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: Fundamentals of Enzymology

Overview of enzyme structure and function.

Hands-on session on enzyme kinetics and mechanisms.

Introduction to enzyme classification and nomenclature.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Enzyme Assays and Activity Measurement

Interactive session on different types of enzyme assays.

Workshop on measuring enzyme activity and specificity.

Practical demonstration of spectrophotometric assays.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Enzyme Inhibition and Regulation

Exploring mechanisms of enzyme inhibition and regulation.

Hands-on training on studying enzyme inhibitors.

Case studies on enzyme regulation in metabolic pathways.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Industrial Applications of Enzymes

Workshop on the use of enzymes in industrial processes.

Practical techniques for enzyme immobilization and stabilization.

Case studies on commercial enzyme applications in various industries.

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 Enzymology

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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: Enzyme Engineering and Design

Introduction to techniques for enzyme engineering.
Hands-on session on directed evolution and rational design.

Practical demonstration of creating and testing engineered enzymes.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Enzyme Structure Determination

Exploring methods for determining enzyme structures.

Workshop on X-ray crystallography and NMR spectroscopy.

Case studies on the structural analysis of enzymes.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Enzyme Kinetics and Mechanisms

Hands-on session on advanced enzyme kinetics.

Exploring pre-steady-state and steady-state kinetics.

Practical applications of enzyme kinetic models in research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Enzymology

Workshop on computational approaches in enzymology.

Practical use of molecular dynamics and docking studies.

Case studies on computational enzyme design and analysis.

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 Enzymology in Medical and Health Sciences

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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: Enzymes in Disease Diagnosis

Overview of enzyme-based diagnostic techniques.

Hands-on session on using enzymes in clinical assays.

Case studies on enzyme markers in disease diagnosis.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Therapeutic Enzymes

Exploring the use of enzymes as therapeutic agents.

Workshop on enzyme replacement therapy and drug design.

Case studies on clinical applications of therapeutic enzymes.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Enzyme Deficiencies and Disorders

Hands-on session on diagnosing and studying enzyme deficiencies.

Exploring genetic and metabolic disorders related to enzyme function.

Case studies on treatment strategies for enzyme-related disorders.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Enzymes in Drug Metabolism

Workshop on the role of enzymes in drug metabolism.

Practical techniques for studying drug-enzyme interactions.

Case studies on pharmacogenomics and personalized medicine.

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 Enzymology

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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: Novel Enzyme Discovery

Introduction to techniques for discovering novel enzymes.

Hands-on session on metagenomics and enzyme mining.

Case studies on the discovery of new enzymes from extreme environments.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Enzyme Evolution and Diversity

Exploring the evolution and diversity of enzyme functions.

Workshop on studying enzyme evolution using phylogenetics.

Case studies on functional diversity in enzyme families.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Enzymes in Synthetic Biology

Hands-on session on using enzymes in synthetic biology.

Exploring techniques for designing synthetic metabolic pathways.

Case studies on synthetic biology applications of enzymes.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Trends in Enzymology

Discussion on emerging trends and technologies in enzymology.

Workshop on integrating new technologies in enzyme research.

Case studies on the future impact of enzymology innovations.

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 Enzymology

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

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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 Enzyme Research

Overview of ethical issues in enzymology research.
Case studies on ethical dilemmas in enzyme studies.
Workshop on addressing ethical considerations in enzyme 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 Enzymes

Exploring regulatory guidelines and requirements for enzyme research and applications.
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 enzyme 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 Enzymology

Discussion on policy and planning for sustainable enzyme research.
Case studies on effective policies and planning strategies.
Workshop on integrating ethical and development goals in enzyme 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

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Enzymology 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.