

Molecular Biophysics Workshops

Molecular Biophysics Workshops

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

[Molecular Biophysics Workshops Application Process](#)

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Journey Through Genetics: Select Your Molecular Biophysics Session!

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

1. Workshop in Introduction to Molecular Biophysics

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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: Basics of Molecular Biophysics

Overview of molecular biophysics principles and applications.

Hands-on session on studying the physical properties of biological molecules.

Introduction to the importance of molecular biophysics in understanding biological systems.

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

Networking and refreshments.

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

Interactive session on biophysical techniques.

Workshop on using X-ray crystallography, NMR spectroscopy, and other methods.

Practical demonstration of biophysical analysis techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Protein Structure and Dynamics

Exploring protein structure and dynamics.

Hands-on training on studying protein folding and interactions.

Case studies on the role of molecular biophysics in protein research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Membrane Biophysics

Workshop on membrane biophysics.

Practical techniques for studying the structure and function of biological membranes.

Case studies on the applications of biophysics in membrane 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

2. Workshop in Advanced Techniques in Molecular Biophysics

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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: Advanced Molecular Techniques

Introduction to advanced techniques in molecular biophysics.

Hands-on session on using single-molecule spectroscopy, cryo-EM, and other methods.

Practical demonstration of advanced biophysical applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Computational Biophysics

Exploring computational approaches in biophysics.

Workshop on using molecular dynamics simulations and bioinformatics tools.

Case studies on the applications of computational biophysics in research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Biophysical Methods in Drug Discovery

Hands-on session on biophysical methods in drug discovery.

Exploring techniques for studying drug-target interactions.

Practical applications of biophysics in developing new therapeutics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biophysics of Nucleic Acids

Workshop on studying the biophysics of nucleic acids.

Practical techniques for analyzing DNA and RNA structures.

Case studies on the role of biophysics in understanding nucleic acid function.

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 Biophysics in Biomedical Research

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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: Role of Molecular Biophysics in Disease Research

Overview of the importance of molecular biophysics in disease research.

Hands-on session on studying disease mechanisms using biophysical techniques.

Case studies on the impact of biophysics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Biophysics in Cancer Research

Exploring the role of biophysics in cancer research.
Workshop on using biophysical techniques to study and treat cancer.
Case studies on the applications of biophysics in cancer therapy.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Biophysics in Infectious Diseases

Hands-on session on the use of biophysics in studying infectious diseases.
Exploring techniques for developing vaccines and antiviral therapies.
Practical applications of biophysics in developing treatments for infectious diseases.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Clinical Applications of Molecular Biophysics

Workshop on translating biophysics research into clinical practice.
Practical techniques for using biophysical data in clinical settings.
Case studies on the impact of biophysics on medical treatments.

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 Biophysics

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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: Emerging Technologies in Molecular Biophysics

Introduction to emerging technologies in molecular biophysics.

Hands-on session on using advanced tools and techniques in biophysical research.

Case studies on innovative applications of new technologies in molecular biophysics.

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 Biophysics

Exploring the role of AI and machine learning in molecular biophysics.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing biophysical 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 Biophysics

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

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

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 Biophysics

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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: Ethical Considerations in Biophysics Research

Overview of ethical issues in biophysics research.

Case studies on ethical dilemmas in studying and manipulating biological molecules.

Workshop on addressing ethical considerations in biophysics 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 Biophysics

Exploring regulatory guidelines and requirements for biophysics 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 biophysics 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 Biophysics Research

Discussion on policy and planning for sustainable biophysics research.
Case studies on effective policies and planning strategies.
Workshop on integrating ethical and social considerations in biophysics 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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Molecular Biophysics 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 o t] com.
3. Our Workshop department will contact you promptly to provide further assistance.