



Molecular Programming Workshops

Molecular Programming Workshops

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

[Molecular Programming Workshops Application Process](#)

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Uncover the Secrets of Molecular Programming: Pick Your Workshop!

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

1. Workshop in Introduction to Molecular Programming

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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 Programming

Overview of molecular programming principles and applications.

Hands-on session on programming biological molecules to perform specific tasks.

Introduction to the importance of molecular programming in synthetic biology.

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

Networking and refreshments.

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

Interactive session on techniques used in molecular programming.

Workshop on using DNA nanotechnology, RNA engineering, and other methods.

Practical demonstration of molecular programming techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Computational Tools in Molecular Programming

Exploring computational tools in molecular programming.

Hands-on training on using software for designing and simulating molecular programs.

Case studies on the role of computational tools in advancing molecular programming.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Applications of Molecular Programming

Workshop on applications of molecular programming.
Practical techniques for developing programmable biomaterials and therapeutics.
Case studies on the impact of molecular programming in biotechnology and 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

2. Workshop in Advanced Techniques in Molecular Programming

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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 programming.
Hands-on session on using CRISPR, synthetic biology, and other methods.
Practical demonstration of advanced molecular programming applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Circuits and Devices

Exploring molecular circuits and devices.
Workshop on designing and constructing biological circuits.
Case studies on the applications of molecular circuits in synthetic biology.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Self-Assembling Systems

Hands-on session on self-assembling molecular systems.
Exploring techniques for creating self-assembling DNA and protein structures.
Practical applications of molecular programming in creating complex biological systems.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Modeling and Simulation

Workshop on computational modeling and simulation techniques.
Practical techniques for simulating molecular interactions and behaviors.
Case studies on the role of computational modeling in advancing molecular programming.

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 Programming 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 Programming in

Disease Research

Overview of the importance of molecular programming in disease research.
Hands-on session on programming molecules to target and treat diseases.
Case studies on the impact of molecular programming in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Therapeutics

Exploring the role of molecular programming in developing therapeutics.
Workshop on using molecular programming to design and deliver drugs.
Case studies on the applications of molecular programming in therapeutic development.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Diagnostic Tools

Hands-on session on developing diagnostic tools using molecular programming.
Exploring techniques for creating molecular sensors and diagnostic assays.
Practical applications of molecular programming in medical diagnostics.

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 Programming

Workshop on translating molecular programming research into clinical practice.
Practical techniques for using programmable molecules in clinical settings.
Case studies on the impact of molecular programming 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 Programming

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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 Programming

Introduction to emerging technologies in molecular programming.

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

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

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 Programming

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

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

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

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 Programming

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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 Molecular Programming Research

Overview of ethical issues in molecular programming research.

Case studies on ethical dilemmas in studying and applying molecular programming.

Workshop on addressing ethical considerations in molecular programming 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 Molecular Programming Research

Exploring regulatory guidelines and requirements for molecular programming

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 molecular programming 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 Molecular Programming Research

Discussion on policy and planning for sustainable molecular programming research.

Case studies on effective policies and planning strategies.

Workshop on integrating ethical and social considerations in molecular programming 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 Programming 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.