

## Drug Designing Workshops

# Drug Designing Workshops

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

[Drug Designing Workshops Application Process](#)

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## Chart Your Drug Designing Course: Interactive Workshop Choices!

1. [Workshop in Introduction to Drug DesigningPDF](#)
2. [Workshop in Advanced Techniques in Drug DesigningPDF](#)
3. [Workshop in Drug Designing in Medicinal ChemistryPDF](#)
4. [Workshop in Innovations in Drug Designing TechnologiesPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Drug DesigningPDF](#)

### 1. Workshop in Introduction to Drug Designing

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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 Drug Design**

Overview of the drug discovery and development process.

Hands-on session on understanding molecular interactions.

Introduction to structure-based drug design.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Computational Methods in Drug Design**

Interactive session on molecular modeling and simulations.

Workshop on using software tools for drug design.

Practical demonstration of virtual screening techniques.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Pharmacokinetics and Pharmacodynamics**

Exploring the principles of ADMET (absorption, distribution, metabolism, excretion, and toxicity).

Hands-on training on predicting pharmacokinetic properties.

Case studies on optimizing drug efficacy and safety.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Rational Drug Design**

Workshop on designing drugs based on target structure.  
Practical use of bioinformatics tools for target identification.  
Case studies on successful rational drug design projects.

### **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 Drug Designing**

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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: High-Throughput Screening (HTS)**

Introduction to high-throughput screening methods.

Hands-on session on setting up and conducting HTS assays.

Practical demonstration of data analysis from HTS.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Fragment-Based Drug Design (FBDD)**

Exploring the principles of fragment-based drug design.

Workshop on identifying and optimizing lead compounds.

Case studies on successful FBDD applications.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Quantitative Structure-Activity Relationship (QSAR)**

Interactive session on QSAR modeling techniques.

Hands-on training on building and validating QSAR models.

Practical applications of QSAR in drug discovery.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Peptide and Protein Drug Design**

Workshop on designing peptide and protein therapeutics.

Practical use of software tools for peptide design.

Case studies on successful peptide and protein drugs.

### **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 Drug Designing in Medicinal Chemistry**

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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: Medicinal Chemistry Principles**

Overview of medicinal chemistry and its role in drug design.  
Hands-on session on synthesizing small molecules.  
Practical techniques for optimizing chemical properties.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Lead Optimization**

Exploring strategies for lead compound optimization.

Workshop on modifying chemical structures for better activity.

Case studies on optimizing lead compounds for drug development.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Natural Products in Drug Design**

Hands-on session on isolating and characterizing natural products.

Exploring the use of natural products as drug leads.

Case studies on successful natural product-derived drugs.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Synthetic Biology and Drug Design**

Workshop on using synthetic biology for drug design.

Practical techniques for engineering biological systems.

Case studies on innovative synthetic biology applications in drug development.

**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 Drug Designing Technologies

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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: Artificial Intelligence in Drug Design**

Introduction to AI and machine learning in drug discovery.

Hands-on session on using AI tools for drug design.

Case studies on AI-driven drug discovery projects.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: CRISPR and Genome Editing in Drug Development**

Exploring the role of CRISPR in drug discovery.

Hands-on training on using CRISPR for target validation.

Case studies on CRISPR-based drug development.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Nanotechnology in Drug Design**

Hands-on session on designing nanomedicines.

Exploring the applications of nanotechnology in drug delivery.

Case studies on successful nanomedicine projects.

### **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 Drug Designing**

Discussion on emerging trends and technologies in drug design.

Workshop on integrating new technologies in drug development workflows.

Case studies on the future impact of innovative drug design technologies.

### **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 Drug Designing**

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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 Drug Design**

Overview of ethical issues in drug design and development.

Case studies on ethical dilemmas in drug discovery.

Workshop on addressing ethical considerations in drug 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 Drug Design**

Exploring regulatory guidelines and requirements for drug design.

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: Clinical Trials and Drug Approval**

Hands-on session on designing and conducting clinical trials.

Exploring the process of drug approval and market authorization.

Case studies on successful clinical trials and drug approvals.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Public Perception and Communication**

Workshop on improving public understanding of drug design.

Techniques for effective science communication.

Case studies on public engagement and education initiatives.

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

## **Drug Designing 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.