



## Nanoinformatics Workshops

# Nanoinformatics Workshops

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

[Nanoinformatics Workshops Application Process](#)

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## Nanoinformatics Frontiers: Discover Your Ideal Workshop!

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

### 1. Workshop in Introduction to Nanoinformatics

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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 Nanoinformatics**

Overview of nanoinformatics principles and applications.  
Hands-on session on studying data analysis at the nanoscale.  
Introduction to the importance of nanoinformatics in nanotechnology and bioinformatics.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Techniques in Nanoinformatics**

Interactive session on techniques used in nanoinformatics.  
Workshop on using computational tools, databases, and modeling software.  
Practical demonstration of nanoinformatics techniques.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Data Integration and Analysis**

Exploring data integration and analysis in nanoinformatics.  
Hands-on training on combining and analyzing data from different sources.  
Case studies on the role of nanoinformatics in nanotechnology research.

**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 Nanoinformatics**

Workshop on applications of nanoinformatics.  
Practical techniques for applying nanoinformatics in various fields.  
Case studies on the impact of nanoinformatics in biotechnology, medicine, and environmental science.

**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 Nanoinformatics**

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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 Nanoinformatics Techniques**

Introduction to advanced techniques in nanoinformatics.

Hands-on session on using machine learning, AI, and big data in nanoinformatics.  
Practical demonstration of advanced nanoinformatics applications.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Computational Modeling and Simulation**

Exploring computational modeling and simulation in nanoinformatics.  
Workshop on developing and using models for nanomaterials and nanosystems.  
Case studies on the applications of computational modeling in nanoinformatics.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Data Mining and Pattern Recognition**

Hands-on session on data mining and pattern recognition.  
Exploring techniques for extracting useful information from large datasets.  
Practical applications of data mining in nanoinformatics.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Integrative Omics in Nanoinformatics**

Workshop on integrating multi-omics data in nanoinformatics.  
Practical techniques for combining genomics, proteomics, and metabolomics data.  
Case studies on the role of integrative omics in advancing nanoinformatics.

**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 Nanoinformatics 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 Nanoinformatics in Disease Research**

Overview of the importance of nanoinformatics in disease research.

Hands-on session on analyzing nanomaterials for disease diagnosis and therapy.

Case studies on the impact of nanoinformatics in biomedical research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Nanoinformatics in Drug**

## Discovery

Exploring the role of nanoinformatics in drug discovery.  
Workshop on using computational tools to identify and develop new drugs.  
Case studies on the applications of nanoinformatics in drug discovery.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Nanoinformatics in Personalized Medicine**

Hands-on session on nanoinformatics applications in personalized medicine.  
Exploring techniques for tailoring treatments based on nanoscale data.  
Practical applications of nanoinformatics in developing personalized therapies.

### **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 Nanoinformatics**

Workshop on translating nanoinformatics research into clinical practice.  
Practical techniques for using nanoinformatics data in clinical settings.  
Case studies on the impact of nanoinformatics 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 Nanoinformatics

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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 Nanoinformatics**

Introduction to emerging technologies in nanoinformatics.

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

Case studies on innovative applications of new technologies in nanoinformatics.

### **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 Nanoinformatics**

Exploring the role of AI and machine learning in nanoinformatics.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing nanoinformatics research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Big Data Analytics in Nanoinformatics**

Hands-on session on big data analytics in nanoinformatics.  
Exploring techniques for managing and analyzing large datasets.  
Practical applications of big data analytics in nanoinformatics.

### **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 Nanoinformatics**

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

### **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 Nanoinformatics**

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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 Nanoinformatics Research**

Overview of ethical issues in nanoinformatics research.

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

Workshop on addressing ethical considerations in nanoinformatics 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 Nanoinformatics Research**

Exploring regulatory guidelines and requirements for nanoinformatics 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 nanoinformatics 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 Nanoinformatics Research**

Discussion on policy and planning for sustainable nanoinformatics research.  
Case studies on effective policies and planning strategies.  
Workshop on integrating ethical and social considerations in nanoinformatics 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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**Email: workshops ( a t ) nthrys [ d0t ] com**

## **Nanoinformatics 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.