



## Phenomics Workshops

# Phenomics Workshops

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

[Phenomics Workshops Application Process](#)

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## Navigate the Phenomics Landscape: Workshop Options Ahead!

1. [Workshop in Introduction to PhenomicsPDF](#)
2. [Workshop in Advanced Techniques in PhenomicsPDF](#)
3. [Workshop in Phenomics in Biomedical ResearchPDF](#)
4. [Workshop in Innovations in PhenomicsPDF](#)
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### 1. Workshop in Introduction to Phenomics

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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 Phenomics**

Overview of phenomics principles and applications.

Hands-on session on understanding the study of phenotypes and their interactions.

Introduction to the importance of phenomics in genetics and genomics.

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

Networking and refreshments.

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

Interactive session on techniques used in phenomics.

Workshop on using high-throughput phenotyping, imaging, and bioinformatics.

Practical demonstration of phenomics techniques.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Phenomics and Genomics**

Exploring the relationship between phenomics and genomics.

Hands-on training on integrating phenotypic and genotypic data.

Case studies on the role of phenomics in understanding complex traits.

**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 Phenomics**

Workshop on applications of phenomics.

Practical techniques for applying phenomics in research and clinical practice.

Case studies on the impact of phenomics in biomedical 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 Phenomics

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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 Phenomics Techniques**

Introduction to advanced techniques in phenomics.  
Hands-on session on using advanced imaging, machine learning, and other methods.

Practical demonstration of advanced phenomics applications.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Phenomics in Crop Science**

Exploring the role of phenomics in crop science.

Workshop on using phenomics to study and improve crop traits.

Case studies on the applications of phenomics in agriculture.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Phenomics in Disease Research**

Hands-on session on the use of phenomics in studying diseases.

Exploring techniques for identifying phenotypic markers of disease.

Practical applications of phenomics in understanding and managing diseases.

**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 Phenomics**

Workshop on integrating multi-omics data in phenomics research.

Practical techniques for combining genomics, proteomics, and metabolomics.

Case studies on the role of integrative omics in advancing phenomics.

**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 Phenomics 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 Phenomics in Disease Research**

Overview of the importance of phenomics in disease research.

Hands-on session on studying the impact of phenotypic variation on disease.

Case studies on the impact of phenomics in biomedical research.

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

Networking and refreshments.

#### **10:30 AM - 12:00 PM: Session 2: Phenomics in Neurological Disorders**

Exploring the role of phenomics in neurological disorders.

Workshop on using phenomics to study and develop treatments for neurological

diseases.

Case studies on the applications of phenomics in neurological research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Phenomics in Cardiovascular Diseases**

Hands-on session on the use of phenomics in cardiovascular diseases.

Exploring techniques for identifying phenotypic markers and optimizing therapies for cardiovascular diseases.

Practical applications of phenomics in managing cardiovascular 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 Phenomics**

Workshop on translating phenomics research into clinical practice.

Practical techniques for using phenomics data in clinical settings.

Case studies on the impact of phenomics on patient care.

### **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 Phenomics**

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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 Phenomics**

Introduction to emerging technologies in phenomics.

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

Case studies on innovative applications of new technologies in phenomics.

### **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 Phenomics**

Exploring the role of AI and machine learning in phenomics.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing phenomics 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 Phenomics**

Hands-on session on big data analytics in phenomics.

Exploring techniques for managing and analyzing large datasets.  
Practical applications of big data analytics in phenomics.

### **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 Phenomics**

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

### **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 Phenomics**

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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 Phenomics Research**

Overview of ethical issues in phenomics research.

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

Workshop on addressing ethical considerations in phenomics 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 Phenomics Research**

Exploring regulatory guidelines and requirements for phenomics 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 phenomics 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 Phenomics**

## Research

Discussion on policy and planning for sustainable phenomics research.  
Case studies on effective policies and planning strategies.  
Workshop on integrating ethical and social considerations in phenomics 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**

## **Phenomics 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.