# Pharmacogenomics Workshops

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

## Application Process

1. Select a workshop from the list below.
2. Click on the WhatsApp icon in the top right corner 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.

## 1. Introduction to Pharmacogenomics

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**Date:** Pre Selected Date

**Location:** 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 Pharmacogenomics

Overview of pharmacogenomics principles and applications.
Hands-on session on understanding genetic variability in drug response.
Introduction to the importance of pharmacogenomics in personalized medicine.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Techniques in Pharmacogenomics

Interactive session on techniques used in pharmacogenomics.
Workshop on using genomic, transcriptomic, and bioinformatic analyses.
Practical demonstration of pharmacogenomics techniques.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Gene-Drug Interactions

Exploring gene-drug interactions.
Hands-on training on studying how genetic variants affect drug metabolism and efficacy.
Case studies on the role of pharmacogenomics in optimizing drug therapy.

### 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 Pharmacogenomics

Workshop on applications of pharmacogenomics.
Practical techniques for applying pharmacogenomics in clinical practice.
Case studies on the impact of pharmacogenomics in personalized 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 Agri

Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

### 5:30 PM: Workshop Concludes

## 2. Advanced Techniques in Pharmacogenomics

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**Date:** Pre Selected Date

**Location:** 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 Pharmacogenomics Techniques

Introduction to advanced techniques in pharmacogenomics.
Hands-on session on using next-generation sequencing, CRISPR, and other methods.
Practical demonstration of advanced pharmacogenomics applications.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Pharmacogenomics in Personalized Medicine

Exploring the role of pharmacogenomics in personalized medicine.
Workshop on studying genetic variants and their impact on treatment.
Case studies on the applications of pharmacogenomics in personalized medicine.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Pharmacogenomics in Oncology

Hands-on session on pharmacogenomics applications in oncology.
Exploring techniques for identifying cancer biomarkers and personalized therapies.
Practical applications of pharmacogenomics in cancer treatment.

### 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 Pharmacogenomics

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

### 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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

### 5:30 PM: Workshop Concludes

## 3. Pharmacogenomics in Biomedical Research

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**Date:** Pre Selected Date

**Location:** 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 Pharmacogenomics in Disease Research

Overview of the importance of pharmacogenomics in disease research.
Hands-on session on studying the impact of genetic variability on disease progression and drug response.
Case studies on the impact of pharmacogenomics in biomedical research.

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

Networking and refreshments.

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

Exploring the role of pharmacogenomics in neurological disorders.
Workshop on using pharmacogenomics to study and develop treatments for neurological diseases.
Case studies on the applications of pharmacogenomics in neurological research.

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

Catered lunch and networking opportunity.

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

Hands-on session on the use of pharmacogenomics in cardiovascular diseases.
Exploring techniques for identifying genetic risk factors and optimizing drug therapy for cardiovascular diseases.
Practical applications of pharmacogenomics 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 Pharmacogenomics

Workshop on translating pharmacogenomics research into clinical practice.
Practical techniques for using pharmacogenomics data in clinical settings.
Case studies on the impact of pharmacogenomics 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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

### 5:30 PM: Workshop Concludes

## 4. Innovations in Pharmacogenomics

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**Date:** Pre Selected Date

**Location:** 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 Pharmacogenomics

Introduction to emerging technologies in pharmacogenomics.
Hands-on session on using advanced tools and techniques in pharmacogenomics research.
Case studies on innovative applications of new technologies in pharmacogenomics.

### 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 Pharmacogenomics

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

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

### 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 Pharmacogenomics

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

### 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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

### 5:30 PM: Workshop Concludes

## 5. Ethical and Regulatory Perspectives in Pharmacogenomics

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**Date:** Pre Selected Date

**Location:** 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 Pharmacogenomics Research

Overview of ethical issues in pharmacogenomics research.
Case studies on ethical dilemmas in studying and applying pharmacogenomics techniques.
Workshop on addressing ethical considerations in pharmacogenomics 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 Pharmacogenomics Research

Exploring regulatory guidelines and requirements for pharmacogenomics 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 pharmacogenomics 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 Pharmacogenomics Research

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