



## Functional Genomics Workshops

# Functional Genomics Workshops

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

[Functional Genomics Workshops Application Process](#)

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## Activate Your Interest: Our Functional Genomics Workshops Await!

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

### 1. Workshop in Introduction to Functional Genomics

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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 Functional Genomics**

Overview of functional genomics principles and applications.

Hands-on session on identifying gene functions.

Introduction to the importance of functional genomics in understanding biological processes.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Genomic Technologies**

Interactive session on using genomic technologies in functional genomics.

Workshop on using CRISPR, RNAi, and other gene editing tools.

Practical demonstration of functional genomics experiments.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Functional Genomics Data Analysis**

Exploring techniques for analyzing functional genomics data.

Hands-on training on using bioinformatics tools for data analysis.

Case studies on the application of data analysis in functional genomics 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 Functional Genomics**

Workshop on various applications of functional genomics in research and medicine.

Practical techniques for studying gene function in disease and development.

Case studies on the use of functional genomics in drug discovery and biotechnology.

**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 Functional Genomics

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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 Functional Genomics**

Introduction to high-throughput techniques for functional genomics.  
Hands-on session on using next-generation sequencing and other high-throughput methods.  
Practical demonstration of data analysis and interpretation.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Integrative Omics in Functional Genomics**

Exploring integrative omics approaches in functional genomics.  
Workshop on using multi-omics data for gene function analysis.  
Case studies on the integration of omics data in functional genomics research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Computational Approaches in Functional Genomics**

Hands-on session on computational approaches for functional genomics.  
Exploring bioinformatics tools and algorithms for gene function analysis.  
Practical applications of computational functional genomics in research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Structural Genomics and Gene Function**

Workshop on using structural genomics to understand gene function.  
Practical techniques for studying protein structures and interactions.  
Case studies on the role of structural genomics in functional genomics 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**

## **3. Workshop in Functional Genomics 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 Functional Genomics in Disease Research**

Overview of the importance of functional genomics in disease research.  
Hands-on session on identifying disease-related genes.  
Case studies on the impact of functional genomics in biomedical research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Functional Genomics in Cancer Research**

Exploring the role of functional genomics in cancer research.

Workshop on using functional genomics to identify cancer biomarkers and therapeutic targets.

Case studies on the applications of functional genomics in cancer therapy.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Functional Genomics in Personalized Medicine**

Hands-on session on using functional genomics in personalized medicine.

Exploring techniques for identifying patient-specific gene functions.

Practical applications of functional genomics 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 Functional Genomics**

Workshop on translating functional genomics research into clinical practice.

Practical techniques for using functional genomics data in clinical settings.

Case studies on the impact of functional genomics 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 Functional Genomics**

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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 Functional Genomics**

Introduction to emerging technologies for functional genomics.

Hands-on session on using advanced analytical techniques for gene function analysis.

Case studies on innovative applications of new technologies in functional genomics.

### **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 Functional Genomics**

Exploring the role of AI and machine learning in functional genomics.

Workshop on developing predictive models for gene function analysis.  
Case studies on the application of AI in functional genomics 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 Functional Genomics**

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

**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 Functional Genomics**

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

**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**



## Functional Genomics

+

**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 Functional Genomics Research**

Overview of ethical issues in functional genomics research.

Case studies on ethical dilemmas in studying gene functions.

Workshop on addressing ethical considerations in functional genomics 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 Functional Genomics**

Exploring regulatory guidelines and requirements for functional genomics 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 functional genomics 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 Functional Genomics**

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

## **Functional Genomics 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.