



## Glyco Informatics Workshops

# Glyco Informatics Workshops

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

[Glyco Informatics Workshops Application Process](#)

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## Journey Through Genetics: Select Your Glyco Informatics Session!

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

## 1. Workshop in Introduction to Glyco Informatics

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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 Glyco Informatics**

Overview of glyco informatics principles and applications.

Hands-on session on glycobiology and carbohydrate analysis.

Introduction to the importance of glyco informatics in biological research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Computational Tools for Glyco Informatics**

Interactive session on using computational tools for glyco informatics.

Workshop on software and databases for glycan analysis.

Practical demonstration of glyco informatics algorithms.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Structural Glyco Biology**

Exploring techniques for studying glycan structures.

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

Case studies on the application of glyco informatics 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: Applications of Glyco Informatics**

Workshop on various applications of glyco informatics in research and medicine.

Practical techniques for studying glycan functions and interactions.

Case studies on the use of glyco informatics 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 Glyco Informatics

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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 Glyco Analysis**

Introduction to high-throughput techniques for glycan analysis.

Hands-on session on using next-generation sequencing data for glyco informatics.  
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 Glyco Informatics**

Exploring integrative omics approaches in glyco informatics.  
Workshop on using multi-omics data for glycan function analysis.  
Case studies on the integration of omics data in glyco informatics 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 Glyco Informatics**

Hands-on session on computational approaches for glyco informatics.  
Exploring bioinformatics tools and algorithms for glycan analysis.  
Practical applications of computational glyco informatics 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 Glycomics and Glyco Informatics**

Workshop on using structural glycomics to improve glycan analysis.  
Practical techniques for studying glycan-protein interactions.  
Case studies on the role of structural glycomics in glyco informatics 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 Glyco Informatics 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 Glyco Informatics in Disease Research**

Overview of the importance of glyco informatics in disease research.

Hands-on session on identifying disease-related glycans.

Case studies on the impact of glyco informatics in biomedical research.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Glyco Informatics in Cancer**

## **Research**

Exploring the role of glyco informatics in cancer research.

Workshop on using glycan analysis to identify cancer biomarkers and therapeutic targets.

Case studies on the applications of glyco informatics in cancer therapy.

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

Catered lunch and networking opportunity.

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

Hands-on session on using glyco informatics in personalized medicine.

Exploring techniques for identifying patient-specific glycan profiles.

Practical applications of glyco informatics 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 Glyco Informatics**

Workshop on translating glyco informatics research into clinical practice.

Practical techniques for using glycan data in clinical settings.

Case studies on the impact of glyco informatics 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 Glyco Informatics

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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 Glyco Informatics**

Introduction to emerging technologies for glycan analysis.

Hands-on session on using advanced analytical techniques for glycan analysis.

Case studies on innovative applications of new technologies in glyco informatics.

### **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 Glyco Informatics**

Exploring the role of AI and machine learning in glyco informatics.

Workshop on developing predictive models for glycan function analysis.

Case studies on the application of AI in glyco informatics 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 Glyco Informatics**

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

### **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 Glyco Informatics**

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

### **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 Glyco Informatics**

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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 Glyco Informatics Research**

Overview of ethical issues in glyco informatics research.

Case studies on ethical dilemmas in studying glycan functions.

Workshop on addressing ethical considerations in glyco informatics 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 Glyco Informatics**

Exploring regulatory guidelines and requirements for glyco informatics 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 glyco informatics 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 Glyco Informatics**

Discussion on policy and planning for sustainable glyco informatics research.  
Case studies on effective policies and planning strategies.  
Workshop on integrating ethical and social considerations in glyco informatics 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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## **Glyco Informatics 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 o t ] com.
3. Our Workshop department will contact you promptly to provide further assistance.