



## NTHRYS WORKSHOPS

# Innovations In Molecular Biophysics

### **8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Molecular Biophysics**

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

### **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 Biophysics**

Exploring the role of AI and machine learning in molecular biophysics.  
Workshop on developing predictive models using AI and ML.  
Case studies on the applications of AI in enhancing biophysical 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 Biophysics**

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

### **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 Molecular Biophysics**

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

### **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**