



## NTHRYS WORKSHOPS

# Introduction To Molecular Biophysics

### 8:45 AM - 10:15 AM: Session 1: Basics of Molecular Biophysics

Overview of molecular biophysics principles and applications.  
Hands-on session on studying the physical properties of biological molecules.  
Introduction to the importance of molecular biophysics in understanding biological systems.

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

Networking and refreshments.

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

Interactive session on biophysical techniques.  
Workshop on using X-ray crystallography, NMR spectroscopy, and other methods.  
Practical demonstration of biophysical analysis techniques.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Protein Structure and Dynamics

Exploring protein structure and dynamics.

Hands-on training on studying protein folding and interactions.  
Case studies on the role of molecular biophysics in protein research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Membrane Biophysics**

Workshop on membrane biophysics.  
Practical techniques for studying the structure and function of biological membranes.  
Case studies on the applications of biophysics in membrane 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**