



## NTHRYS WORKSHOPS

# Advanced Techniques In Biophysics

### 8:45 AM - 10:15 AM: Session 1: Single-Molecule Biophysics

Introduction to single-molecule techniques.

Practical demonstration of single-molecule fluorescence and force spectroscopy.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Computational Biophysics

Overview of computational methods in biophysics.

Hands-on workshop on molecular dynamics simulations and bioinformatics tools.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Membrane Biophysics

Introduction to the biophysics of membranes.

Practical session on studying membrane structure and dynamics using biophysical techniques.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Biophysical Approaches in Medicine**

Discussion on the applications of biophysics in medicine.

Case studies on biophysical methods in diagnostics and therapeutics.

**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**