



NTHRYS WORKSHOPS

Advanced Techniques In Molecular Biophysics

8:45 AM - 10:15 AM: Session 1: Advanced Molecular Techniques

Introduction to advanced techniques in molecular biophysics.
Hands-on session on using single-molecule spectroscopy, cryo-EM, and other methods.
Practical demonstration of advanced biophysical applications.

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

Networking and refreshments.

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

Exploring computational approaches in biophysics.
Workshop on using molecular dynamics simulations and bioinformatics tools.
Case studies on the applications of computational biophysics in research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Biophysical Methods in Drug Discovery

Hands-on session on biophysical methods in drug discovery.
Exploring techniques for studying drug-target interactions.
Practical applications of biophysics in developing new therapeutics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biophysics of Nucleic Acids

Workshop on studying the biophysics of nucleic acids.
Practical techniques for analyzing DNA and RNA structures.
Case studies on the role of biophysics in understanding nucleic acid function.

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