



NTHRYS WORKSHOPS

Introduction To Molecular Dynamics

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

Overview of molecular dynamics principles and applications.
Hands-on session on studying molecular motion and interactions.
Introduction to the importance of molecular dynamics in understanding biological processes.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Techniques in Molecular Dynamics Simulations

Interactive session on techniques used in molecular dynamics simulations.
Workshop on setting up and running molecular dynamics simulations.
Practical demonstration of simulation methods and tools.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Analyzing Molecular Dynamics Data

Exploring techniques for analyzing molecular dynamics data.
Hands-on training on using software for data analysis and visualization.
Case studies on interpreting molecular dynamics results.

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 Molecular Dynamics

Workshop on the applications of molecular dynamics in research.
Practical techniques for using molecular dynamics in drug discovery and material science.
Case studies on the impact of molecular dynamics on scientific 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