



NTHRYS WORKSHOPS

Practical Techniques In Structural Bioinformatics

8:45 AM - 10:15 AM: Session 1: Introduction to Structural Bioinformatics

Overview of structural bioinformatics and its significance.
Techniques for studying macromolecular structures.
Case studies on structural bioinformatics research and applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Protein Structure Prediction

Hands-on techniques for predicting protein structures.
Practical session on using computational tools for structure prediction.
Discussion on optimizing protein structure predictions.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Dynamics Simulations

Introduction to molecular dynamics simulations.
Practical demonstration of simulation techniques.
Case studies on analyzing molecular dynamics data.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies and Applications

Review of significant case studies in structural bioinformatics.
Applications in drug design and biotechnology.
Future trends and research directions.

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