



NTHRYS WORKSHOPS

Molecular Modelling Of Membranes And Lipids

8:45 AM - 10:15 AM: Session 1: Modelling Lipid Bilayers and Membranes

Hands-on workshop on molecular modelling of lipid bilayers. Protocols for building and simulating membrane models and understanding their interactions with proteins and small molecules.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Simulating Membrane-Protein Interactions

Practical session on membrane-protein interactions. Protocols for simulating how membrane proteins interact with lipid bilayers and other membrane components.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Modelling of Ion Channels

Hands-on training on modelling ion channels.

Protocols for simulating ion transport through membrane channels and studying their conformational changes.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Modelling Drug Interactions with Membranes

Practical session on drug-membrane interactions.

Protocols for simulating the interaction of drugs with lipid bilayers to study permeability and drug transport.

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