



NTHRYS WORKSHOPS

Emerging Trends In Molecular Modelling

8:45 AM - 10:15 AM: Session 1: Machine Learning in Molecular Modelling

Hands-on workshop on integrating machine learning with molecular modelling. Protocols for applying AI to predict molecular behaviors, optimize simulations, and accelerate drug discovery.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Modelling for Synthetic Biology

Practical session on modelling synthetic biological systems. Protocols for simulating the design and function of synthetic genes, proteins, and metabolic pathways.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Modelling for Nanomedicine Applications

Hands-on training on molecular modelling for nanomedicine.

Protocols for simulating nanoparticle-based drug delivery systems and nanocarriers for therapeutic use.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Multiscale Modelling of Complex Biological Systems

Practical session on multiscale modelling.

Protocols for integrating molecular modelling with larger-scale biological systems, bridging the gap between molecular, cellular, and tissue-level simulations.

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