



NTHRYS WORKSHOPS

Introduction To Drug Designing

8:45 AM - 10:15 AM: Session 1: Fundamentals of Drug Design

Overview of the drug discovery and development process.
Hands-on session on understanding molecular interactions.
Introduction to structure-based drug design.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Computational Methods in Drug Design

Interactive session on molecular modeling and simulations.
Workshop on using software tools for drug design.
Practical demonstration of virtual screening techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Pharmacokinetics and Pharmacodynamics

Exploring the principles of ADMET (absorption, distribution, metabolism, excretion, and

toxicity).

Hands-on training on predicting pharmacokinetic properties.

Case studies on optimizing drug efficacy and safety.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Rational Drug Design

Workshop on designing drugs based on target structure.

Practical use of bioinformatics tools for target identification.

Case studies on successful rational drug design projects.

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