



NTHRYS WORKSHOPS

Advanced Techniques In Computational Biology

8:45 AM - 10:15 AM: Session 1: Next-Generation Sequencing (NGS) Data Analysis

Introduction to NGS data analysis techniques.

Practical demonstration of processing and analyzing NGS data for biological insights.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Machine Learning in Computational Biology

Overview of machine learning applications in computational biology.

Hands-on workshop on applying machine learning algorithms to biological data analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Network Biology

Introduction to network biology and network analysis methods.

Practical session on analyzing biological networks and identifying key network components.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Drug Discovery

Discussion on computational approaches to drug discovery.

Case studies on virtual screening, molecular docking, and pharmacophore modeling.

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