



NTHRYS WORKSHOPS

Advanced Techniques In Molecular Programming

8:45 AM - 10:15 AM: Session 1: Advanced Molecular Techniques

Introduction to advanced techniques in molecular programming.
Hands-on session on using CRISPR, synthetic biology, and other methods.
Practical demonstration of advanced molecular programming applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Circuits and Devices

Exploring molecular circuits and devices.
Workshop on designing and constructing biological circuits.
Case studies on the applications of molecular circuits in synthetic biology.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Self-Assembling Systems

Hands-on session on self-assembling molecular systems.

Exploring techniques for creating self-assembling DNA and protein structures.

Practical applications of molecular programming in creating complex biological systems.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Modeling and Simulation

Workshop on computational modeling and simulation techniques.

Practical techniques for simulating molecular interactions and behaviors.

Case studies on the role of computational modeling in advancing molecular programming.

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