



NTHRYS WORKSHOPS

Practical Techniques In Synthetic Biology

8:45 AM - 10:15 AM: Session 1: Introduction to Synthetic Biology

Overview of synthetic biology and its applications.
Techniques for designing and constructing biological systems.
Case studies on synthetic biology projects.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genetic Circuit Design

Hands-on techniques for designing genetic circuits.
Practical session on using software tools for circuit design.
Discussion on optimizing genetic circuit functionality.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Synthetic Pathways and Metabolic Engineering

Introduction to synthetic pathways and metabolic engineering.

Practical demonstration of constructing synthetic pathways.
Case studies on metabolic engineering applications.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies and Applications

Review of significant case studies in synthetic biology.
Applications in biotechnology and medicine.
Future trends and research directions.

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