



NTHRYS WORKSHOPS

Advanced Techniques In Synthetic Biology

8:45 AM - 10:15 AM: Session 1: Advanced Genetic Circuit Design

Advanced techniques for designing genetic circuits.
Practical session on using advanced design software.
Troubleshooting and optimizing circuit designs.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Circuit Integration and Testing

Overview of circuit integration and testing methods.
Practical session on integrating circuits into host organisms.
Case studies on testing and validation of synthetic circuits.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Dynamic and Responsive Systems

Using synthetic biology to create dynamic and responsive systems.

Practical session on designing and testing responsive circuits.
Case studies on applications of dynamic systems.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biotechnology in Synthetic Biology

Strategies for integrating biotechnology in synthetic biology.
Case studies on biotechnological applications.
Future trends and challenges in the field.

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