



NTHRYS WORKSHOPS

Advanced Techniques In Molecular Bioengineering

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

Introduction to advanced molecular techniques in bioengineering.
Hands-on session on using high-throughput sequencing, mass spectrometry, and other methods.
Practical demonstration of advanced molecular applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Metabolic Engineering

Exploring metabolic engineering approaches.
Workshop on designing and optimizing metabolic pathways.
Case studies on the applications of metabolic engineering in biofuel and pharmaceutical production.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Tissue Engineering

Hands-on session on tissue engineering techniques.
Exploring techniques for growing and manipulating tissues in vitro.
Practical applications of tissue engineering in regenerative medicine.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Bioprocess Engineering

Workshop on bioprocess engineering and scale-up.
Practical techniques for optimizing and scaling up bioprocesses.
Case studies on the role of bioprocess engineering in industrial biotechnology.

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