

NTHRYS WORKSHOPS

Advanced Techniques In Gene Cloning And Genetic Engineering

8:45 AM - 10:15 AM: Session 1: High-Throughput Cloning Techniques

Introduction to high-throughput techniques for gene cloning.
Hands-on session on using next-generation sequencing for cloning.
Practical demonstration of high-throughput cloning methods.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Synthetic Biology and Genetic Engineering

Exploring synthetic biology approaches in genetic engineering.
Workshop on designing and constructing synthetic genes.
Case studies on the applications of synthetic biology in genetic research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Gene Editing and Functional Genomics

Hands-on session on using gene editing for functional genomics.
Exploring techniques for studying gene function and regulation.
Practical applications of gene editing in genomics research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Computational Tools for Genetic Engineering

Workshop on computational tools for genetic engineering.
Practical techniques for designing and analyzing genetic constructs.
Case studies on the use of bioinformatics in genetic engineering research.

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