



NTHRYS WORKSHOPS

Introduction To Molecular Biology

8:45 AM - 10:15 AM: Session 1: Basics of Molecular Biology

Overview of molecular biology principles and applications.
Hands-on session on studying and manipulating DNA, RNA, and proteins.
Introduction to the importance of molecular biology in research and medicine.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Molecular Techniques

Interactive session on molecular techniques.
Workshop on using PCR, gel electrophoresis, and other methods.
Practical demonstration of molecular biology techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Gene Expression and Regulation

Exploring gene expression and regulation.

Hands-on training on studying gene expression and regulatory mechanisms.
Case studies on the role of molecular biology in understanding gene function.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Molecular Cloning

Workshop on molecular cloning techniques.
Practical techniques for cloning and expressing genes.
Case studies on the applications of molecular cloning in research and 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