



NTHRYS WORKSHOPS

Introduction To Molecular Genetics

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

Overview of molecular genetics principles and applications.
Hands-on session on studying the structure and function of genes.
Introduction to the importance of molecular genetics in understanding heredity and variation.

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

Networking and refreshments.

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

Interactive session on techniques used in molecular genetics.
Workshop on using PCR, gel electrophoresis, and sequencing.
Practical demonstration of molecular genetics methods.

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 transcription and translation.
Case studies on the role of molecular genetics 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: Genetic Mutations and Disease

Workshop on genetic mutations and their role in disease.
Practical techniques for studying mutations and their effects.
Case studies on the applications of molecular genetics in disease 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