

NTHRYS WORKSHOPS

Introduction To Genetics

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

Overview of genetic principles and applications.
Hands-on session on Mendelian genetics and inheritance patterns.
Introduction to the importance of genetics in biology.

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

Networking and refreshments.

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

Interactive session on the molecular basis of genetics.
Workshop on DNA replication, transcription, and translation.
Practical demonstration of molecular genetic techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Genetic Variation

Exploring genetic variation and its significance.

Hands-on training on techniques for studying genetic diversity.
Case studies on the role of genetic variation in evolution and disease.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Genetic Engineering and Biotechnology

Workshop on genetic engineering and biotechnology applications.
Practical techniques for gene editing and cloning.
Case studies on the use of genetic engineering in research and industry.

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