



NTHRYS WORKSHOPS

Introduction To Functional Genomics

8:45 AM - 10:15 AM: Session 1: Basics of Functional Genomics

Overview of functional genomics principles and applications.
Hands-on session on identifying gene functions.
Introduction to the importance of functional genomics in understanding biological processes.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Genomic Technologies

Interactive session on using genomic technologies in functional genomics.
Workshop on using CRISPR, RNAi, and other gene editing tools.
Practical demonstration of functional genomics experiments.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Functional Genomics Data Analysis

Exploring techniques for analyzing functional genomics data.

Hands-on training on using bioinformatics tools for data analysis.
Case studies on the application of data analysis in functional 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: Applications of Functional Genomics

Workshop on various applications of functional genomics in research and medicine.
Practical techniques for studying gene function in disease and development.
Case studies on the use of functional genomics in drug discovery 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