



NTHRYS WORKSHOPS

Advanced Techniques In Applied Genomics

8:45 AM - 10:15 AM: Session 1: Next-Generation Sequencing (NGS)

Introduction to NGS technologies and their applications.
Practical demonstration of NGS data analysis workflows.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Comparative Genomics

Overview of comparative genomics techniques.
Hands-on workshop on comparing genomes across different species.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Genomic Editing and CRISPR

Introduction to CRISPR-Cas9 and other genomic editing tools.
Practical session on designing and performing genome editing experiments.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Epigenomics

Discussion on the role of epigenomics in gene regulation.
Practical exercises on analyzing DNA methylation and histone modifications.

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