



NTHRYS WORKSHOPS

Advanced Techniques In Genomics

8:45 AM - 10:15 AM: Session 1: High-Throughput Genomics

Introduction to high-throughput techniques in genomics.
Hands-on session on using large-scale genomic data.
Practical demonstration of high-throughput sequencing methods.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Epigenomics

Exploring the study of epigenetic modifications in the genome.
Workshop on techniques for analyzing DNA methylation and histone modifications.
Case studies on the role of epigenetics in gene regulation.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Single-Cell Genomics

Hands-on session on single-cell genomic techniques.

Exploring methods for studying individual cell genomes.
Practical applications of single-cell genomics in research.

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

Time for a stretch and informal discussions.

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

Workshop on the study of genetic material from environmental samples.
Practical techniques for metagenomic analysis.
Case studies on the applications of metagenomics in microbial ecology.

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