



NTHRYS WORKSHOPS

Advanced Techniques In Bioinformatics

8:45 AM - 10:15 AM: Session 1: Next-Generation Sequencing Data Analysis

Introduction to next-generation sequencing (NGS) technologies.
Practical demonstration of NGS data processing and analysis.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Transcriptomics and RNA-Seq

Overview of transcriptomics and RNA sequencing.
Hands-on workshop on analyzing RNA-Seq data for gene expression studies.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Metagenomics and Microbial Communities

Introduction to metagenomics and its applications.
Practical session on analyzing metagenomic data to study microbial communities.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Systems Biology and Network Analysis

Discussion on systems biology and network analysis in bioinformatics.
Practical exercises on constructing and analyzing biological networks.

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