



NTHRYS WORKSHOPS

Advanced Techniques In Dna Profiling

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

Introduction to next-generation sequencing technologies.
Hands-on session on preparing samples for NGS.
Practical use of NGS data analysis tools.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Short Tandem Repeat (STR) Analysis

Interactive session on STR analysis for human identification.
Workshop on using capillary electrophoresis for STR profiling.
Case studies on paternity testing and kinship analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Mitochondrial DNA (mtDNA) Profiling

Exploring the use of mtDNA in ancestry and population studies.

Hands-on training on mtDNA extraction and sequencing.
Case studies on tracing maternal lineage and migration patterns.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Bioinformatics in DNA Profiling

Workshop on the role of bioinformatics in analyzing DNA data.
Practical use of software tools for DNA sequence alignment and comparison.
Case studies on integrating bioinformatics in forensic investigations.

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