



Dna Profiling Workshops

Dna Profiling Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of DNA Profiling. Explore our comprehensive offerings below

[Dna Profiling Workshops Application Process](#)

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Navigate the Dna Profiling Landscape: Workshop Options Ahead!

1. [Workshop in Introduction to DNA ProfilingPDF](#)
2. [Workshop in Advanced Techniques in DNA ProfilingPDF](#)
3. [Workshop in DNA Profiling in Medical and Health SciencesPDF](#)
4. [Workshop in Innovations in DNA Profiling TechnologiesPDF](#)
5. [Workshop in Ethical and Legal Perspectives in DNA ProfilingPDF](#)

1. Workshop in Introduction to DNA Profiling

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Basics of DNA Structure and Function

Overview of DNA structure and its role in genetics.

Hands-on session on extracting DNA from samples.

Introduction to the principles of DNA replication and transcription.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: DNA Profiling Techniques

Interactive session on different DNA profiling methods.

Workshop on polymerase chain reaction (PCR) and gel electrophoresis.

Practical use of restriction fragment length polymorphism (RFLP) analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Forensic DNA Analysis

Exploring the application of DNA profiling in forensic science.

Hands-on training on crime scene sample collection and processing.

Case studies on solving crimes using DNA evidence.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Ethical and Legal Aspects of DNA Profiling

Discussion on the ethical considerations in DNA profiling.

Workshop on understanding legal frameworks and regulations.
Case studies on landmark cases involving DNA evidence.

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

2. Workshop in Advanced Techniques in DNA Profiling

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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

3. Workshop in DNA Profiling in Medical and Health Sciences

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: DNA Profiling in Disease Diagnosis

Overview of DNA profiling applications in diagnosing genetic disorders.
Hands-on session on identifying genetic mutations and polymorphisms.
Case studies on the role of DNA profiling in personalized medicine.

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

Networking and refreshments.

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

Exploring the relationship between genetics and drug response.
Workshop on analyzing genetic data for personalized drug therapy.
Case studies on improving treatment outcomes using pharmacogenomics.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: DNA Profiling in Cancer Research

Hands-on session on profiling DNA mutations in cancer cells.
Exploring the use of DNA profiling for cancer diagnosis and treatment.
Case studies on advancements in cancer genomics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Genetic Counseling and DNA Profiling

Workshop on the role of genetic counseling in DNA profiling.
Practical techniques for interpreting genetic test results.
Case studies on ethical considerations in genetic counseling.

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

4. Workshop in Innovations in DNA Profiling Technologies

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: CRISPR and Genome Editing

Introduction to CRISPR-Cas9 technology and its applications.

Hands-on session on designing CRISPR experiments.

Practical demonstration of genome editing techniques.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Epigenetic Profiling

Exploring the role of epigenetics in gene expression.

Hands-on training on analyzing DNA methylation patterns.

Case studies on epigenetic changes in disease development.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Single-Cell DNA Profiling

Hands-on session on single-cell sequencing techniques.
Exploring the applications of single-cell DNA profiling in research.
Case studies on advancements in single-cell genomics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Trends in DNA Profiling

Discussion on emerging trends and technologies in DNA profiling.
Workshop on integrating new technologies in DNA profiling workflows.
Case studies on the future impact of DNA profiling in various fields.

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

5. Workshop in Ethical and Legal Perspectives in DNA Profiling

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Date: Pre Selected Date

Fee: Rs 6000/-

Duration: One Day

Mode: Offline and Virtual

Location for Offline: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.

Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Ethical Considerations in DNA Profiling

Overview of ethical issues in DNA profiling.

Case studies on privacy concerns and consent in genetic testing.

Workshop on addressing ethical dilemmas in DNA research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Legal Frameworks for DNA Profiling

Exploring legal regulations and guidelines for DNA profiling.

Case studies on the impact of legal decisions on DNA evidence.

Workshop on understanding international laws and policies.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: DNA Databases and Privacy

Hands-on session on managing DNA databases.

Exploring the balance between privacy and public safety.

Case studies on the use of DNA databases in law enforcement.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Public Perception and Education

Workshop on improving public understanding of DNA profiling.
Techniques for effective science communication.
Case studies on public engagement and education initiatives.

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

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

NTHRYS Workshops Department

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Dna Profiling Workshops Application Process

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops (a t) nthrys [d 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.