



## NTHRYS WORKSHOPS

# Introduction To Dna Profiling

### 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**