



## Centre for DNA Fingerprinting and Diagnostics, Hyderabad

### Hands-On Workshop on Human Forensic DNA Fingerprinting 31<sup>st</sup> Oct to 4<sup>th</sup> Nov, 2022

Human DNA Fingerprinting Technology is used for detection of variations, primarily within the repeat sequences present in the Human Genome, using which, the unique genetic make up of individuals and their genetic relationship to others can be established.

**Aim of the Workshop:** To cover theoretical and experimental aspects of human forensic DNA fingerprinting with hands-on training from DNA Isolation to Data Analysis in a Modular Fashion.

#### Training Modules (More Details on next page)

- # Demonstration of sample collection and processing
- # Hands-on DNA Isolation
- # Quantification of DNA by Real Time PCR
- # Gel electrophoresis
- # Multiplex PCR of Autosomal STR Markers
- # Genotyping with Genetic Analyzer
- # Data Analysis & Presentation with Troubleshooting

#### Number of Seats – 15

#### Course Fee:

INR. 15,000/- General

INR. 10,000/- Students (Letter from HOD/Dean needed as proof)

# Fees is inclusive of stay (AC Rooms, Double occupancy), food and refreshments throughout the workshop.

# Application should be submitted only through registration link provided below

# Selected candidates will be intimate by email and candidates should confirm participation by return mail and complete the Fee payment by the last date.

#### IMPORTANT DATES

18th Aug 2022 - Last date for Application

24th Aug 2022- Announcement of Selected Candidates

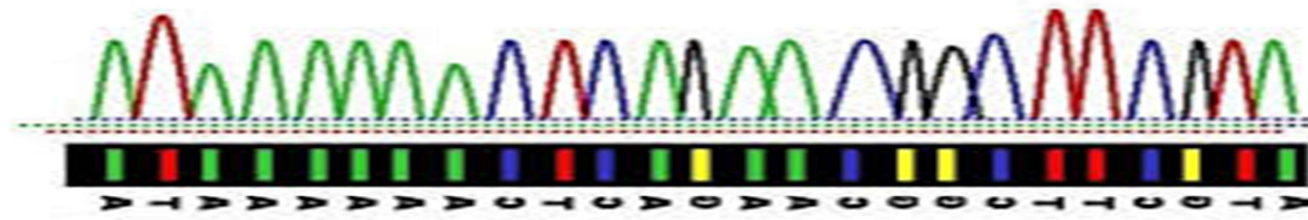
1st Sep 2022 - Last date for Payment of Fees

#### Salient Features

- Lectures and Experiments scheduled so as to facilitate easy understanding of topics
- Hand-outs provided for all the topic covered
- Tutorials (personal attention)
- Participation Certificate will be issued

#### Who can apply? (More Details on next page)

- ✓ Academicians & Professionals from Medical and / or Forensic background
- ✓ Personnel from Law Enforcement, Armed Forces and Judiciary
- ✓ Students pursuing Ph.D./M.Sc./ M.B.B.S



Click [here](#) for Registration

Contact:

[dnafpworkshop@cdfd.org.in](mailto:dnafpworkshop@cdfd.org.in)

040-27216143



## Hands-On Workshop on Human Forensic DNA Fingerprinting

(31st October – 4th November 2022)

### This workshop could benefit the following people

1. Scientific/Technical Staff working in Forensic Science Laboratories, Doctors and Technical Staff from Medical College/Hospitals (Forensic Medicine).
2. Faculty and Students from Forensic Science Department of Universities, Institutes and Colleges (including Medical Colleges).
3. Personnel from Judiciary, Law enforcement Agencies and Armed forces interested in understanding different aspects of Forensic DNA Fingerprinting Technology.

### Curriculum

# Introduction to DNA profiling technology and its applications.

# History of forensic DNA profiling and present status

# Demonstration of collection, preservation, packaging and transportation of biological samples from crime scene to the laboratory.

# Isolation and quantification of DNA from various type of biological samples.

# PCR amplification of DNA isolated from various type of biological samples.

# Genotyping: Generating DNA profiles by allele calling.

# Troubleshooting at various stages.

# Report preparation.

# Discussion on Deposition of DNA evidence in Honorable Courts and the Legal Dimensions.

# Visit to DNA Sequencing and Central Equipment facility at CDFD.

Click [here](#) for Registration