

# Hands-on workshop

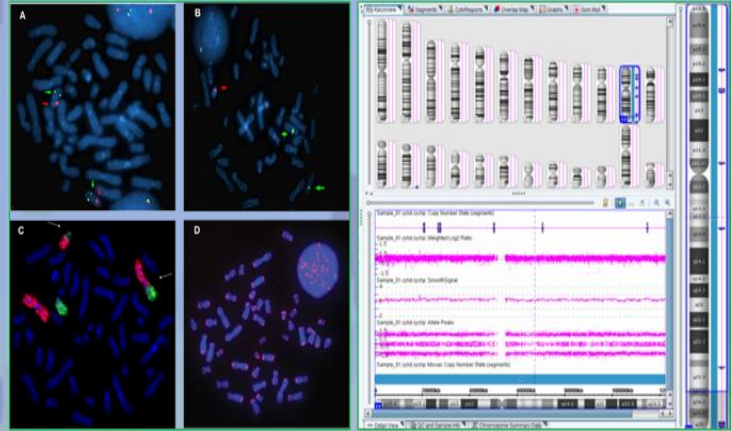
on

# Molecular Cytogenetics-FISH and CMA

24<sup>th</sup>– 29<sup>th</sup> March 2025

Centre for DNA Fingerprinting and Diagnostics, Hyderabad

The precise identification of Structural Variations is important for accurate genotype-phenotype correlation. Molecular cytogenetic techniques like Fluorescence *in-situ* hybridization (FISH) and Microarray CGH have evolved as powerful diagnostics tools for identifying such genomic rearrangements.



This workshop aims to introduce the technology and hands-on experience for the diagnosis of Molecular cytogenetic techniques like FISH and Microarray

## HANDS-ON TRAINING IN

### FISH

- FISH with single and dual-colour FISH probes (centromere, locus-specific, whole chromosome paint),
- Imaging and analysis

### Microarray CGH

- Hands-on training in the wet lab
- Microarray data analyses
- Case-based discussions

### WHO CAN APPLY?

Young Scientists,  
Medical professionals, and Students with minimum qualification of MSc/ PhD/ MBBS

**Last date for application:**  
**25<sup>th</sup> February 2025**

**Registration fee Rs 10000/-**  
**(Rs 8000/- for students)**

**Selection process:** 25 participants would be selected based on screening of applications and writeup

### CONTACT INFORMATION:

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Dr Usha Dutta  
Ph. 040-27216148

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## Application form

Centre for DNA Fingerprinting and Diagnostics (CDFD)  
announces hands-on workshop in  
**Molecular Cytogenetics-FISH and CMA**  
24<sup>th</sup> to 29<sup>th</sup> March, 2025

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Age/Sex:** \_\_\_\_\_ **Mobile:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**Delegate:** \_\_\_\_\_ **Student:** \_\_\_\_\_

**Accommodation required:** \_\_\_\_\_

**The hostel would be provided on a payment basis.**

**\*Students are to enclose the letter stating their student status.**

**# Apply with your CV and one-page write-up stating your interest in the workshop by e-mail.**

### **Payment:**

**All the selected candidates will be informed about the payment details later.**

### **For further queries, please contact:**

Dr Ashwin Dalal/ Dr Usha Dutta

Diagnostics Division, Centre for DNA Fingerprinting and Diagnostics (CDFD)

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Sign:

Date: