



CDFD
Investing to benefit society

Hands-on workshop on

PacBio

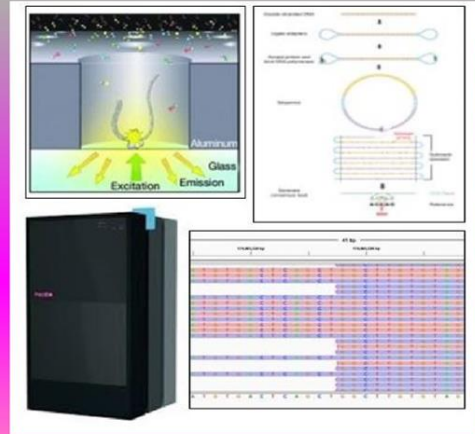


Analysis of HiFi Long-read sequencing data

7th January – 9th January 2026

Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Structural Variants (SVs) are genomic rearrangements affecting more than 50 base pairs. These SVs contribute significantly to the complexity of the population, and over 50% of them cannot be detected due to limitations in methods and technologies. Now, the next-generation sequencing technologies are the method of choice for these SVs. The HiFi long-read sequencing by PacBio is a simple way to characterise the SVs.



This workshop aims to introduce the technology, Applications, and hands-on experience in HiFi Long-read data analysis of structural variants.

WHO CAN APPLY?

Young Scientists, Medical professionals and Students with a minimum qualification of MSc/ PhD/ MBBS and with knowledge of short-read sequencing analysis

Last date for application:
5th December 2025

LECTURES

- Evolution of Sequencing Technologies
- HiFi Chemistry & Sequencing workflows
- File formats, Variant calling, SMRT pipelines, Applications in Clinical Genomics

HANDS-ON TRAINING IN

- NGS Analysis Pipeline
- Long-read sequencing of Data analyses IGV visualisation
- Case-based discussions

Selection process: 30 participants would be selected based on screening of applications and a one-page write-up about their interest and experience with short-read sequencing

CONTACT INFORMATION:

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Analysis of HiFi Long-read sequencing data

7th to 9th January, 2026

Name: _____

Designation: _____

Affiliation: _____

Age: _____ **Sex:** _____

E-mail: _____

Delegate: _____ **Student:** _____

Accommodation required: Yes/No

***Students to enclose the letter of student status.**

Apply with your CV and one-page letter stating your interest in the workshop and experience with short-read by e-mail.

Payment:

All selected candidates will be informed about the payment details by December 15, 2026.

For further queries, please contact:

Dr Ashwin Dalal/ Dr Usha Dutta

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Ph: 040-27216148

Sign:

Date: