



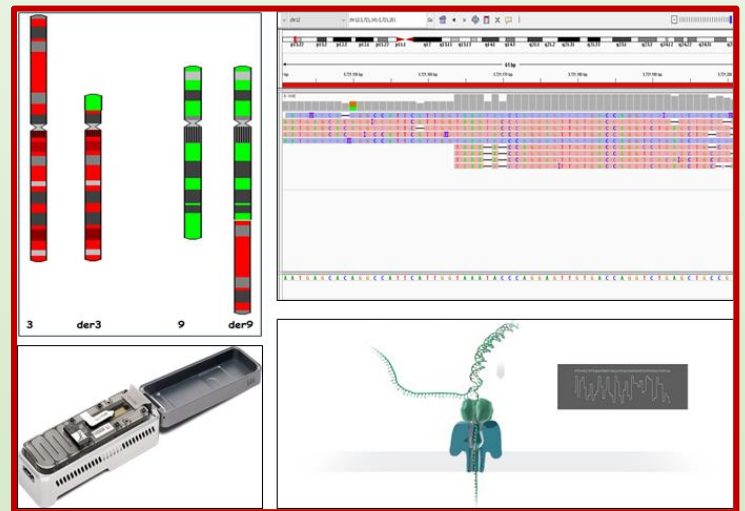
# Hands-on workshop on

# Long read Genome sequencing by Nanopore technology

27<sup>th</sup> February – 3<sup>rd</sup> March 2023

Centre for DNA Fingerprinting and Diagnostics, Hyderabad

Structural Variants (SVs) are genomic rearrangements affecting more than 50 base pairs. These SVs account for a significant complexity in the population and over 50% of the SVs cannot be detected due to limitations in methods and technologies. Now, the Next generation sequencing technologies is the method of choice. Especially, for the copy neutral variations the long read sequencing by Oxford Nanopore technologies is a simple way to characterize the SVs.



This workshop aims to introduce technology and hands-on experience for diagnosis of Structural variants by Long read sequencing using the Oxford nanopore sequencing.

## HANDS-ON TRAINING IN

- Library preparation
- Sequencing by Minlon and Gridlon
- Pipeline development
- Data analyses
- IGV visualization
- Case-based discussions

### WHO CAN APPLY?

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

**Last date for application:**  
4<sup>th</sup> February 2023

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

### CONTACT INFORMATION:

Dr Ashwin Dalal  
E-mail: [adalal@cdfd.org.in](mailto:adalal@cdfd.org.in)  
Ph. 040-27216147

Dr Usha Dutta  
E-mail: [usha@cdfd.org.in](mailto:usha@cdfd.org.in)  
Ph. 040-27216148

Correspondence E mail : [nanows@cdfd.org.in](mailto:nanows@cdfd.org.in)

## Application form

Centre for DNA Fingerprinting and Diagnostics (CDFD)  
announces hands-on workshop in  
**Long read Genome sequencing by Nanopore technology**  
27<sup>th</sup> February to 3<sup>rd</sup> March, 2023

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

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

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

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

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

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

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

Hostel would be provided on payment basis.

\*Students to enclose the letter of 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 would 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)

Inner Ring Road, Uppal, Hyderabad-500 039

E-mail: nanows@cdfd.org.in; usha@cdfd.org.in; adalal@cdfd.org.in

Ph: 040-27216148

Sign:

Date: