

HANDS-ON WORKSHOP

26th-30th October 2026

Next Generation Sequencing and Its Applications in Medicine

5-Day Comprehensive Hands-on Training

Unlock the power of **Next Generation Sequencing** through an intensive five-day workshop designed for researchers, clinicians, faculty members, and postgraduate students. Gain practical experience in laboratory techniques and bioinformatics analysis used in modern genomic medicine.



Hands-on Laboratory Training

- ✓ DNA Extraction & Quality Assessment
- ✓ PCR Amplification
- ✓ Library Preparation & Quantification
- ✓ Quality Control
- ✓ Sequencing Run Setup on **Illumina NextSeq 1000**



Bioinformatics Analysis

- ✓ FASTQ Quality Assessment (FastQC)
- ✓ Read Alignment to Reference Genome
- ✓ Variant Calling & Annotation
- ✓ Interpretation using genomic databases



Expert Lectures

Interact with leading scientists and clinicians

Dr. Kedar Yogi, Velsera, Pune
Dr. Pratik Chandrani, ACTREC,
Tata Memorial Centre, Mumbai
Dr. Mugdha Harmalkar, D.Y.
Patil University, Mumbai
Dr. Anup Nilawar, Dr. Sampada
Kalan, BKL Walawalkar
Hospital, Dervan



Applications in Precision Medicine

- ◆ Cancer Genomics & Precision Oncology
- ◆ Hereditary Cancer Testing
- ◆ Clinical Genomics

Limited Seats • Register Early!

Venue

B. K.L. Walawalkar Rural Medical College
& Hospital, Shreekshetra Dervan,
Tal-Chiplun, Dist. – Ratnagiri – 415606,
Maharashtra

Convenor: Dr. Rita Mulherkar

Organizing Secretary: Dr. Neelam Shirsat

Contact: genomiclab@bklwrmc@gmail.com