



Hands-on Workshop on NGS - Library Preparation and Data Analysis



Date : 18th December 2025

Venue: **Demonstration Hall, Department of Biochemistry,
First Floor, Academic Block, RMLIMS, Lucknow**

Patron

Dr. C.M. Singh

Director, RMLIMS, Lucknow

Co-Patrons

Dr. Pradyumn Singh
Dean, RMLIMS, Lucknow

Dr. Vikram Singh
CMS, RMLIMS, Lucknow

Dr. Arvind Singh
MS, RMLIMS, Lucknow

◆ **About the Workshop:** It offers hands-on exposure to cutting-edge sequencing workflows, from sample preparation to bioinformatics interpretation. Participants will gain practical insights into optimizing data quality, accuracy, and analytical efficiency for next-generation sequencing applications.

◆ Workshop highlights :

- Library Preparation and Data Analysis in NGS
- Discussion on latest enzymatic and mechanical fragmentation methods improving yield and uniformity.
- Emphasis on precise quantification and integrity assessment to minimize sequencing errors.
- Emerging automated workflows enhancing reproducibility and throughput.
- Overview of bioinformatics tools for alignment, variant calling, and annotation.
- Integration of NGS data into clinical diagnostics and personalized medicine.

Organizing Secretary

Dr. Manish Raj Kulshrestha

Professor
RMLIMS, Lucknow

Scientific Secretary

Dr. Vandana Tiwari

Professor
RMLIMS, Lucknow

Program Co-ordinator

Dr. Reena Rani

Associate Professor
RMLIMS, Lucknow

◆ **Who can apply:** Faculty/ Consultants and Residents/Researchers of any medical or research institution or hospital/ labs. **Limited seats available. Seats will be allotted on first come first serve basis**

Registration Details

Residents/Research scholars– Rs. 2000

Faculty – Rs. 3500

Last Date to Register: 10.11.2025

Certificates will be provided to all participants

(Maximum 15 slots).

Account Details

Account : ASSOCIATION FOR MEDICAL UPDATES

Account No : 6935835162

Bank : Indian Bank, Manvakheda, Udaipur

IFSC Code : IDIB000M251

Scan QR Code for Payment



Workshop Registration Click Here : <https://forms.gle/FHz4kMz5XsAojJJEa>