



## Two days Hands-on Workshop on Molecular Biology Techniques 06-09-2024 to 07-09-2024

Organised by

**Department of Health Research-Multidisciplinary Research Unit  
Uttar Pradesh University of Medical Sciences, Saifai, Etawah (UP)-206130**



**About Uttar Pradesh University of Medical Sciences:** The Uttar Pradesh University of Medical Sciences is a Medical University located in Saifai, Etawah, U.P., India. It operates with a full-fledged Medical College, Dental College (postgraduate), Paramedical College, Nursing College, Pharmacy College, Multi-Specialty 850 bedded hospital, 150 bedded trauma and burn centre, and 500 bedded Super Speciality hospital. The Medical University is transforming in order to promote clinical research and offer better patient care.

**About Department of Health Research-Multidisciplinary Research Unit:** Established under aegis of DHR, MoHFW, Govt of India at Uttar Pradesh University of Medical Sciences, Saifai, Etawah (206130). The Unit is to perform cutting-edge research in the field of health sciences, with a special emphasis on patient care in non-communicable diseases, and offering a central instrumentation facility and research setting for academic staffs and senior/junior postgraduate students to select and pursue their top research work on their own premises.

## Organizing committee



Chief Patron  
Prof (Dr.) Prabhat Kumar Singh  
Hon'ble Vice Chancellor, UPUMS,



Co-Patron  
Prof. (Dr.) Ramakant Yadav  
Pro-Vice Chancellor  
UPUMS, Saifai



Co-Patron  
Prof. (Dr.) C. V. Singh  
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Co-Patron  
Prof. (Dr.) Adesh Kumar,  
Dean, Medicine,  
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Prof. (Dr.) S.P. Singh  
Medical Superintendent  
UPUMS, Saifai



Convener & Organising  
Secretary  
Prof. (Dr.) S.K. Shukla  
Nodal Officer-MRU,

**About Programme:** Molecular biology techniques play a key role in the Clinical/Medical Research, it helps in diagnosing infectious pathogens, mutations responsible for susceptibility of disease, identification of novel markers and development of novel drugs etc. In this programme, the following areas will be covered which is as under:

1. Primer designing for conventional PCR, real-time PCR. mutagenesis PCR
2. Isolation of genetic material (DNA and RNA)
3. PCR (Hot Start, Touchdown, Nested) and gel electrophoresis (Preparation of master mix, standardisation of annealing temperature of primers, preparation of buffers and agarose gel, gel electrophoresis)

### Who can attend

Workshop is open for Younger Medical Faculties, PG JR/ SR from nearby institutions, Colleges and Universities, UPUMS, Saifai. Preference will be given to the researchers/investigators having an evident of related work in synopsis/thesis/research projects. Number of participants limited to **15** that can be selected on a first-come, first-served basis.

**Apply Here:** The researchers can apply through **google form** <https://docs.google.com/forms/d/12i-JouY-JNv0nS8XVjA4IF8gCT1IIRbnQCbGD8Kf-bw/edit?pli=1&vc=0&c=0&w=1&flr=0>

**Registration and Payment Details:** **Registration Fee: Rs. 500/-**

A/C Name: UPUMS EMRU

Bank: Bank of India

A/C No.: 728110110006252

IFSC Code: BKID0007281

**Last date:** 30 Aug, 2024, the list of selected candidates will be displayed on university website on 2 Sep, 2024. The selected candidate will also be intimated through the email.

**Resource person:** Dr. Amit Singh, Professor, Department of Microbiology, UPUMS, Saifai-206130  
Dr. Arbind Kumar, Scientist C, DHR-MRU, UPUMS, Saifai-206130

**Venue:** 9:30 am – 5:00 pm at DHR-MRU, Behind Academic Block, Uttar Pradesh University of Medical Sciences, Saifai, Etawah (U.P) – 206130 Contact: E-mail: [mruupums@gmail.com](mailto:mruupums@gmail.com); Phone: +91-7983161093, 9882256921.