



Training Course on

Basic Molecular Biology Techniques Relevant to Cancer Research- Hands on Training- Tissue Culture related Techniques

Conducted by

Molecular Biology Group

ICMR-National Institute of Cancer Prevention & Research (NICPR)

Sector 39, Noida, Uttar Pradesh - 201301

NICPR website: nicpr.res.in, ICMR website: icmr.nic.in)

Sponsored by

Department of Health Research (DHR)

Ministry of Health & Family Welfare, Government of India

3rd Workshop (January 31– February 03, 2023) & 4th Workshop (February 28 - March 03, 2023)

Health Research Scheme of DHR

The Human Resource Development Scheme of Department of Health Research is intended to create a pool of talented health research personnel in the country by upgrading skills of faculty of Medical Colleges/Institutes, mid-career Scientists, medical students, etc., by specialized training in priority areas of health research in leading national and international institutions, encourage and support the trainees to develop and take up research projects for addressing critical national and local health problems and financial assistance to Institutions for up-gradation of infrastructure to enable such Institutions to provide training with state of the art technologies. The scheme is highly beneficial to those students who don't have the opportunity to do experiments, as it will be useful for future research.

About ICMR-NICPR

National Institute of Cancer Prevention and Research (NICPR) was initially established as a Cytology Research Centre (CRC) by the Indian Council of Medical Research (ICMR) in 1979, and was elevated to the level of an Institute in 1989. It was granted national status in 2016 acknowledging its mandate and contributions towards cancer prevention. The institute has broadened its horizon to cater to prevention of prevalent cancers in the country. The thrust areas of research include pre-cancer and cancers of the uterine cervix, breast and oral cancers. NICPR has since made significant contributions in the field of cervical cancer research. The concept of clinical downstaging, visual inspection of cervix with selective cytology screening and development of novel diagnostic approaches for HPV and other oncogenes have been introduced for screening and early detection of cervical cancer. NICPR has been instrumental in the formulation of "Operational framework document" for cancer screening and management, recently released by MOHFW, which has been designed to carry out population-based screening in 100 districts of India using cost-effective screening tools.

About the Course

The course aims at imparting.

- Polymerase Chain Reaction (PCR)
 - Allele Specific PCR • Real Time PCR
 - Methylation Specific PCR
- Human Papillomavirus (HPV) Detection
- Immunohistochemistry (IHC) & Immunoblotting
- Tissue Culture related techniques
- Introduction to Medical-Biostatistics
- Bioinformatics: Gene-gene interaction, TCGA database, Molecular Modeling & Docking; Introduction to NGS.

Who can Apply

Registered Ph. D Students (min. 1 year research experience)/ Post-Doctoral/MBBS/MD/BDS/MDS/AYUSH, Faculty of Medical colleges, Model Rural Health Research Units (MRHRUs), Multidisciplinary Research Units (MRUs).

Registration Details

- Please submit your application (giving brief bio-data (specifying email address and mobile contact number) using this email- molgennicpr@gmail.com.
- Last date of application for 3rd workshop-**January 15, 2023** & 4th Workshop- **February 12, 2023**.
- A list of selected candidates' conformation will be sent via email by **January 18th, 2023** for 3rd and **February 15 2023** for 4th workshop.
- Selected candidates need to confirm their participation for 3rd workshop by **January 23, 2023** & 4th workshop by **February 20, 2023** through submission of an Online mode for **Rs. 2500/- per participant/workshop** drawn in favor of "**The Director, NICPR, NOIDA**."
- A maximum of twenty participants will be enrolled. (First come, first served basis)
- We do not have the facility of boarding/lodging and participants should make their own arrangements for the same
- Travel also has to be arranged by the candidates.
- Please contact molgennicpr@gmail.com for further details.

Principal Investigator:

Dr. Mausumi Bharadwaj, FAScT, FNASc.
Scientist G & Principal Investigator
ICMR-National Institute of Cancer Prevention & Research
I-7, Sector 39, Noida – 201301
Phone: 0120-2446910 (O), 9811860996
E-mail: mausumi.bharadwaj@gmail.com

Co- Investigators:

Dr. R Suresh Kumar, MPhil, Ph.D
Scientist E & Co-Investigator
National Institute of Cancer Prevention & Research,
I-7, Sector – 39, Noida-20130
&
Dr. Suresh T. Hedau, Ph.D
Scientist E & Co-Investigator
National Institute of Cancer Prevention & Research,
I-7, Sector – 39, Noida-201301

