



Department of Health Research (DHR)
Ministry of Health & Family Welfare, Government of India

Sponsored

Training Course on

“Precision Medicine: Promise and Practice”

5th - 30th May 2025

Department of Health Research (DHR) is committed to upgrading the skills of faculty and students from medical colleges and mid-career scientists from research institutions and universities across different regions of the country. The goal is to enable researchers to address the health issues of national relevance using modern technologies. Under this initiative, the National Institute for Research in Reproductive and Child Health (NIRRCH), a premier ICMR institute having expertise in basic, clinical, operational, and implementation research and excellent state-of-the-art facilities, is conducting a training course on Precision Medicine.

Course Content

The 4-week training course will introduce the participants to the basic and advanced concepts of genome-based diagnostics, genome editing, cell therapy, applications of AI/ML in precision medicine, Ayurgenomics and Pharmacogenomics. The course will impart training in modern biology tools such as DNA sequencing, Pyrosequencing, Real-time PCR, Droplet Digital PCR, Genomic Data Analysis and Computational tools; In-Vitro models such as Organ-on-Chip; Flow Cytometry & High Content Screening.

Course Format

Lectures, demonstrations, hands-on experiments, panel discussion, group activities and assignments.

Who can Apply

Faculty of medical colleges / research institutes / MRHRUs/ MRUs/ universities. Candidates with MBBS/MPharm/MD/MDS/MVSc/BDS/BAMS/PhD degree having interest in pursuing a career in research can also apply. Candidates from the north-east, semi-urban or rural regions are encouraged to apply. Applications need to be forwarded through a proper channel with NOC from the head of the department.

Registration link

<https://training.nirrch.res.in/>

Online Applications

1st - 28th February 2025

Selection on or Before

10th March 2025

Fees

No fees will be charged. However, a refundable deposit of INR 2000/- will be collected.

Accommodation

Outstation participants may be provided lodging facility, on shared basis at a nominal cost.

Participants will have to bear the travel and food expenses.

For any queries: drop a mail training@nirrch.res.in