



Training Course on

“Omics in Biomedical Research and Clinical Practice”

Conducted by

ICMR-National Institute for Research in Reproductive and Child Health (NIRRCH),
Indian Council of Medical Research
Jehangir Merwanji Street, Parel, Mumbai - 400 012

Sponsored by

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

9th May – 3rd June 2022

Health Research Scheme of DHR

The scheme is intended to create a pool of talented health research personnel in the country by upgrading skills of faculty of medical colleges, mid-career scientists, medical students and others. The goal of this program is to encourage and support the trainees to develop and take up research projects for addressing health problems of national relevance.

About ICMR-NIRRCH

NIRRCH is a premier ICMR Institute which conducts basic, clinical, operational and socio-behavioral research in women's health, maternal and child health, female and male infertility, genetic disorders and infectious diseases. The Institute houses excellent infrastructure for conducting fundamental and applied research. It also offers clinical services for family welfare, infertility, child health, women's health and bone health.

About the Course

The course aims at imparting conceptual and technical know-how on “Omics” tools used in clinical practice and biomedical research. This 4-week course will cover lectures, lab tutorials and interactive sessions on genetics, epigenetics, genomics, metagenomics, proteomics and metabolomics tools. Participants will be given hands on training for karyotyping, FISH, PCR, RFLP, DNA sequencing, real time PCR, metagenomics, bioinformatics. In addition, there will be demonstrations on techniques such as pyro sequencing, flow cytometry, confocal microscopy, microarray and others. The course also comprises a module on Research Methodology. The participants will also be exposed to statistical analysis tools and training in developing research proposals and grant writing. This course is coordinated by Dr. Geetanjali Sachdeva, Director, NIRRCH

Who can Apply

- Faculty of medical colleges, Model Rural Health Research Units (MRHRUs), Multidisciplinary Research Units (MRUs) and research institutes/universities with MBBS/MD/PhD degree.
- Limited seats are available for candidates pursuing MD.
- Candidates from North-East and semi-urban/rural regions of India are encouraged to apply.
- Candidates in service should forward their application through proper channel with a “No Objection Certificate” from the head of the Institution.

Registration Details

- Please submit your application using the registration link below
- Last date of application is **28th March 2022**.
- A list of selected candidates will be displayed at www.nirrh.res.in by **6th April 2022**.
- Selected candidates need to confirm their participation by **17th April 2022** through submission of a cheque for **Rs. 2000/-** drawn in favor of “**The Director, NIRRCH, Mumbai**” (refundable after completion of course).
- A maximum of twenty participants will be enrolled.
- No fee is charged from the participants.
- Upon request, outstation participants may be provided lodging facility with a nominal cost.
- Travel and food will have to be arranged by the candidates.
- Please contact training@nirrh.res.in for further details.

[Click for Online Registration](#)