



## Training Course on “Clinical and Molecular Genetics (2018)”

at

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



*Sponsored by*  
Department of Health Research  
Ministry of Health & Family Welfare  
Government of India

7<sup>th</sup> May - 1<sup>st</sup> June 2018

### 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 by imparting specialized training in priority areas of health research. The goal of this program is to encourage and support the trainees to develop and take up research projects for addressing critical national and local health problems.

### About the Course

The course aims at imparting conceptual and technical know-how on recent and upcoming developments pertaining to clinical and molecular genetics. This 4-week course will cover lectures, lab tutorials and interactive sessions on the advances in cytogenetic, molecular genetics, genomics and research methodology. Participants will be given hands on training on karyotyping FISH, PCR, RFLP, DNA sequencing, real time PCR and others which are of diagnostic importance in genetic disorders. In addition, there will be demonstrations on techniques such as Pyro Sequencing, Flow Cytometry, electron and confocal microscopy, microarrays, array CGH and others. The course also comprises a module on bioinformatics. Beyond the hands on training there will be lectures by eminent geneticists across the country. The participants will also be exposed to statistical analysis and developing research proposals.

### About NIRRH

National Institute for Research in Reproductive Health (NIRRH) located at Parel, Mumbai is a premier ICMR Institute which conducts basic, clinical, operational and socio-behavioral research on different aspects of reproductive health. Fertility regulation, infertility management, RTI/STIs and HIV, maternal and child health are the major thrust areas. The Institute houses excellent facilities for conducting biomedical research. The course is being coordinated by Dr. Smita D. Mahale, Director, NIRRH.

### Registration Details

- A maximum of Sixteen participants will be enrolled for the course.
- Submit your application online in the prescribed format at [www.nirrh.res.in](http://www.nirrh.res.in) on or before **15<sup>th</sup> March 2018**
- A list of selected candidates will be displayed at [www.nirrh.res.in](http://www.nirrh.res.in) by **30<sup>th</sup> March 2018**.
- Selected candidates will have to confirm their participation by **15<sup>th</sup> April 2018** through submission of a cheque for **Rs. 2000/-** (refundable after successful completion of course) drawn in favour of “**The Director, NIRRH, Mumbai**”.
- No fees are charged from the selected participants.
- Outstation participants may be provided lodging facility on request. Travel and food will have to be arranged by the candidates.
- Please contact [strubio@nirrh.res.in](mailto:strubio@nirrh.res.in)/  
[ram.bioinfo@gmail.com](mailto:ram.bioinfo@gmail.com) for further details.

### Who Can Apply

- Candidates with MBBS/MD or PhD (in any area of life sciences) are eligible apply.
- Faculties from medical colleges/Model Rural Health Research Units (MRHRUs)/ and Multidisciplinary Research Units (MRUs)/research institutes from North-East and semi-urban/rural regions of India are encouraged to apply.
- Candidates in service should forward their application through proper channel. Such applications will be considered complete only if a “No Objection Certificate” from the head of the Institution is uploaded.

[Click for Online Registration](#)