



## About the Institute

The NIHFW, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an 'apex technical institute' as well as a 'think tank' for the promotion of health and family welfare programs in the country. The post-graduate education, training, research, evaluation, consultancy and advisory services in the field of health and family welfare have been a major focus of the institute. In order to facilitate continuous up-gradation of knowledge and skills of various health personnel across the country, the NIHFW has been conducting training courses in different areas at regular interval. In this endeavor, the Department of Reproductive Biomedicine, NIHFW proposes to conduct 2nd Training course on Advances in Reproductive biomedicine techniques for medical officers/ faculty/ researchers from September 19-23, 2022.

## Course Coordinating Team

Course Coordinator : Dr. S. Ramachandra Rao  
Course Co-Coordinator: Dr. Rajesh Kumar  
Course Associate : Ms. Poonam Sharma,  
Dr. Vikram Singh, Ms. Shikha Saini

## Course Fee

There is a course fee of Rs. 5000/- per participant as per the institute's norms. Online transfer/ DD in favour of Director, NIHFW, New Delhi will be accepted. TA/DA of the participants will be borne by sponsoring organizations.

The bank details are as follows:

Name of the beneficiary: Director, NIHFW, New Delhi  
Bank Name & Branch: SBI, NIHFW, Munirka, New Delhi

Account No.: 10932790787  
IFSC Code No.: SBIN0010439  
Branch Code No.: 10439

## Accommodation

Hostel accommodation at nominal rates would be provided to participants only within the institute's campus. Hostel email is [hostel@nihfw.org](mailto:hostel@nihfw.org) and reception phone number are 011-26165959, 26166441-ext-154. Working lunch will be provided by the Institute during training period.

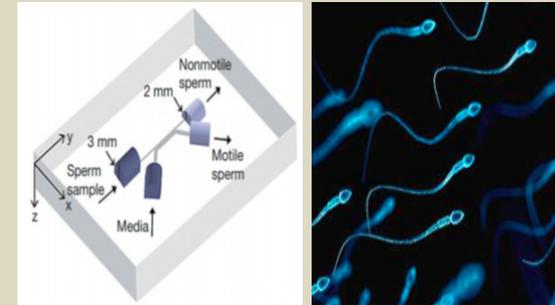
Further Correspondence to be addressed to:

Dr. S. Ramachandra Rao  
Reader and Course Coordinator,  
Department of Reproductive Biomedicine,  
The National Institute of Health & Family Welfare

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[srrao@nihfw.org](mailto:srrao@nihfw.org), Mob: 7780161519

## 2<sup>nd</sup> TRAINING COURSE ON ADVANCES IN REPRODUCTIVE BIOMEDICINE TECHNIQUES FOR MEDICAL OFFICERS /FACULTY/ RESEARCHERS

September 19-23, 2022



Department of Reproductive Biomedicine  
The National Institute of Health & Family Welfare  
Baba Gangnath Marg, Munirka  
New Delhi-110 067

## Introduction

According to the Indian Society of Assisted Reproduction, infertility currently affects about 10 to 14 per cent of the Indian population, with higher rates in urban areas where one out of six couples is impacted. Nearly 27.5 million couples actively trying to conceive suffer from infertility in India. Assisted Reproductive Technologies (ARTs) have been developed to overcome infertility, which are particularly helpful in case of male infertility. This training course is proposed to build the capacity of healthcare providers by introducing the advances taken place in reproductive biomedicine to address the issues of infertility.

## General Objective

To impart knowledge to participants on advances in reproductive biomedicine techniques.

## Specific Objectives and course contents

1. Introduction and Importance of various advanced techniques in Reproductive Biomedicine for infertility management.
2. Real-time PCR/RT-PCR in infertility studies.
3. Role of medical officers in dealing with infertile couples visiting the healthcare facility for treatment.
4. Describe the techniques in semenology such as sperm count, motility, viability, sperm and germ cell morphology, CASA, Semen biochemistry, evaluation of cervical mucus & Post-coital test.
5. Microfluidics techniques in reproductive biomedicine and sorting of functional and motile sperm.

6. Quality assurance in healthcare/laboratory facilities.
7. Biomedical Waste Management 2016 Guidelines & Amendments 2018 & 2019.

## Methodology

The course will be conducted in an offline mode. The course consists of interactive learning through:

- lectures and discussions on important areas in the field of advanced reproductive biomedicine techniques.
- Demonstration of techniques and methodologies
- Hands-on experiments
- Group- discussion

## Duration and Schedule of Training

5 days offline mode from September 19-23, 2022 from 9 AM to 5:30PM

## Number & nature of participants

Approximately 12-15 participants which are medical officers, faculty, residents, and researchers associated with reproductive health from various medical colleges, health care facilities from Governmental & private sectors across India

## Venue

Department of Reproductive Biomedicine  
2<sup>nd</sup> Floor, Academic Block,  
The National Institute of Health and Family Welfare,  
Munirka, New Delhi.

## Training Outcome

The healthcare professionals, who attend the training, will gain the knowledge and rich experience on advances in reproductive biomedicine techniques to address the issues of reproductive health.

## How to apply

Application via email may be sent to Ms. Poonam Sharma (E-mail: [poonamsharma@nihfw.org](mailto:poonamsharma@nihfw.org)), Dr. Vikram Singh, (E-mail: [drvikram@nihfw.org](mailto:drvikram@nihfw.org)), Course Associate, Department of Reproductive Biomedicine, The National Institute of Health and Family Welfare, Munirka, New Delhi-110067 (Telephone Nos. 26165959, Ext. 331, 233 Mobile: 9891122681, 7780161519, 8285234606) through proper channel giving particulars of the candidates as given below:

1. Name
2. Address for communication including **e-mail address** and **phone/mobile number**
3. Age and date of birth
4. Sex
5. Educational Qualifications
6. Present Designation

## Last date for Receiving Nomination

14<sup>th</sup> September, 2022

Participants are requested to make travel plans on receipt of confirmation for participation from NIHFW