



# WORKSHOP



## MATERNAL & NEWBORN CARE: ISSUES AND CHALLENGES

**Sponsored by: DBT**



DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology

A workshop will be organized at Interdisciplinary School of Life Sciences (ISLS), Institute of Science, Banaras Hindu University, Varanasi on “Maternal and Newborn care: Issues and challenges” from 1<sup>st</sup> -7<sup>th</sup> September, 2018.

Laboratory and lecture sessions at the workshop is open only to pre-registered candidates. Maximum number of seats are 20.

Research Scholars/Post-docs/MD, MS students/young faculty members, who are interested in participating in the work-shop should fill in the enclosed registration form and send a soft copy electronically on the email: [workshopmnc2018@gmail.com](mailto:workshopmnc2018@gmail.com) on or before 24<sup>th</sup> August, 2018. Selected participants will be informed by 25<sup>th</sup> August, 2018.

**Convener**

**Dr. Kiran Singh**

Reproductive Genetics Lab

Dept. of Molecular and Human Genetics,

Institute of Science, B.H.U., Varanasi

**Co-convener**

**Prof. Parimal Das**

Center for Genetic Disorders,

Institute of Science, B.H.U., Varanasi



# NATIONAL WORKSHOP

on

## MATERNAL & NEWBORN CARE: ISSUES AND CHALLENGES

From: 1<sup>st</sup> - 7<sup>th</sup> September, 2018

Venue- Inter Disciplinary School of Life Sciences ( ISLS), B.H.U., Varanasi



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DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology

### Who can participate?

- Research Scholars, Clinicians, MD/MS students and Post Doc fellows
- Number of seats is limited to 20

### Registration

- Registration fees is Rs.3000/-
- Course material and certificate
- Tea and snacks

**Application deadline is 24<sup>th</sup> August, 2018**

### Lecture Series

- Nutrigenomics
- Epigenetics of fetal programming
- Neonatal health,
- Hormonal dysregulation during pregnancy
- Adolescent health
- Genetic disorders
- Antenatal care
- Lifestyle disorders and reproductive health
- High risk pregnancy and its management
- Prenatal counseling and diagnosis
- Cord blood stem cells
- Proteomic diagnostic and genetic disorders
- ART (Assistive Reproductive Technology)
- NGS (Next Generation Sequencing)

### Hands on training

- Cytogenetic analysis
- Molecular diagnosis
  - a. DNA isolation
  - b. PCR based diagnosis
- SNP genotyping
- Demonstration of Flow Cytometry, 2D & MALDI-TOF , microarray and NGS

### Convener

**Dr. Kiran Singh**

Reproductive Genetics Lab

Dept. of Molecular and Human Genetics,

Institute of Science, B.H.U., Varanasi

### Co-convener

**Prof. Parimal Das**

Center for Genetic Disorders,

Institute of Science, B.H.U.,

Varanasi

# Organizing committee



❖ **Dr. Kiran Singh (Convener)**  
Reproductive Genetics Lab  
Dept. of Molecular and Human Genetics,  
Institute of Science, BHU



❖ **Dr. Pawan Dubey (Organizing secretary)**  
Center for Genetic Disorders,  
Institute of Science, BHU



❖ **Prof. Parimal Das (Co-convener)**  
Center for Genetic Disorders,  
Institute of Science, BHU



❖ **Dr. Amit K Rai (Treasurer)**  
Center for Genetic Disorders,  
Institute of Science, BHU

## Organizing committee members

❖ **Prof. Manjari Matah**  
Dept. of Obstetric & Gynecology, IMS, BHU

❖ **Prof. Ashok Kumar**  
Dept. of Pediatrics, IMS, BHU

❖ **Prof. NK Agrawal**  
Dept. of Endocrinology and Metabolism, IMS, BHU

❖ **Prof. Nisha R Agrawal**  
Dept. of Obstetric & Gynecology, IMS, BHU

❖ **Dr. Akhtar Ali**  
Cent. for Genetic Disorders, Inst. of Sci., BHU

❖ **Prof. G. Narayan,**  
Dept. of Mol. & Human Gen., Inst. of Sci., BHU

❖ **Prof. Ashim Mukherjee**  
Dept. of Mol. & Human Gen., Inst. of Sci., BHU

❖ **Dr. M. Mutsuddi**  
Dept. of Mol. & Human Gen., Inst. of Sci., BHU

❖ **Dr. Geeta Rai**  
Dept. of Mol. & Human Gen., Inst. of Sci., BHU

❖ **Dr. Bhagyalaxmi Mahapatra**  
Dept. of Zoology, Inst. of Sci., BHU



**Varanasi, India**

**REGISTRATION FORM**

**Workshop on**

**MATERNAL & NEWBORN CARE: ISSUES AND CHALLENGES**

**1<sup>st</sup> -7<sup>th</sup> September, 2018**

**Banaras Hindu University, Varanasi, India**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Department:** \_\_\_\_\_

**Name of PI:** \_\_\_\_\_

( for Research Scholars only)

**Email id:** \_\_\_\_\_

**Mobile No.:** \_\_\_\_\_

**Area of Interest:** \_\_\_\_\_

**Any similar courses attended:** \_\_\_\_\_

**Why do you want to attend the workshop?**

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