



# Institute of Genetics & Hospital for Genetic Diseases Osmania University Begumpet Hyderabad-500016

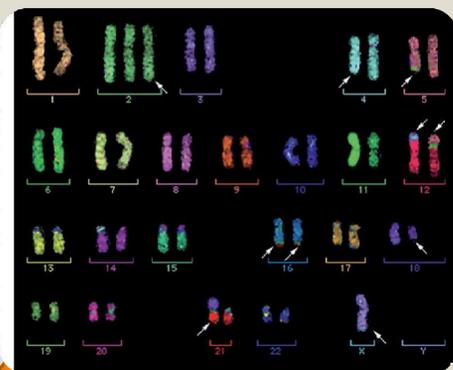


## Organizes Workshop

On  
**Recent Advancements in Prenatal Genetic Screening & Diagnosis**

From  
17<sup>th</sup> to 19<sup>th</sup> Feb, 2022

Sponsored by **DST - PURSE**  
Osmania University



Limited  
seats :20

<https://forms.gle/kBh4hZbesDfAG2Cw7>  
Link For Registration

### Registration Details:

All the participants are requested to enroll for the workshop by paying the registration fee through NEFT to Director, Institute of Genetics.

**Name of the Account Holder:** Director, Institute of Genetics, O.U.

**Name of the Bank:** Canara Bank (Ameerpet, Hyderabad)

**Account No.:** 30392010034360

**IFSC code:** CNRB0013039

**Type of the account :** Savings Account

| Category              | Before 12-2-2022 | Spot Registration |
|-----------------------|------------------|-------------------|
| Faculty               | Rs. 1000/-       | Rs. 1200/-        |
| Students              | Rs. 500/-        | Rs. 600/-         |
| Industry Participants | Rs. 1500/-       | Rs. 1600/-        |

Certificates will be awarded

**Eligibility: MBBS, MD, M.Sc, Ph.D,**



## Objective of the Program

*10 million children worldwide and 1.7 million in India are born each year with serious birth defects and genetic disorders. In many countries, birth defects are a leading cause of perinatal and neonatal deaths. Recent advancements in strategies of prenatal genetic screening and counseling are playing a pivotal role in decreasing the burden of morbidity and mortality due to genetic diseases. Keeping this in view we extend our hearty welcome to this workshop which is designed to enlighten the clinicians, academicians and researchers on recent techniques in prenatal diagnosis which is the “need of the hour”.*



Healthy Genes:  
The Essence of Life

## Workshop schedule

### Day 1 : 17<sup>th</sup> February

#### Speakers : Topics

1. **Dr. Ashwin Dalal (Centre for DNA Fingerprinting and Diagnostics, Hyderabad)** : Paradigm shift in Prenatal Genetic Testing Journey from karyotyping to Whole Genome sequencing.
2. **Dr. Sowmya Gayatri. C (ESIC Super Speciality Hospital, Hyderabad)** : Recent advancements in Biochemical maternal serum screening and NIPT.

#### Technical Demonstrations:

1. **Dr. B. Srinadh (Institute of Genetics, Hyderabad)** : Screening for congenital anomalies in fetus by 3D/4D Ultrasonography.
2. **Dr. A. Venkateshwari (Institute of Genetics, Hyderabad)** : Fluorescence in situ hybridization (FISH) and Karyotyping.

### Day 2: 18<sup>th</sup> February

#### Speakers: Topics

1. **Dr. Prajnya Rangnathan (Nizam's Institute Of Medical Sciences, Hyderabad)** : Genetic Evaluation in Dysmorphology.
2. **Dr. B. Srinadh** : Ultrasonographic screening for genetic soft markers and fetal interventional procedures and therapy.

#### Dry Demonstrations:

**Dr. Priyadarsini Pande** : Chromosomal Microarray(CMA) and Multiplex ligation-dependent probe amplification(MLPA).  
Courtesy : Medgenome Labs Ltd.

### Day 3: 19<sup>th</sup> February

#### Speakers : Topics

**Technical Experts of 10X Genomics & Premas Life Sciences Pvt Ltd** : Single cell Genomics.

#### Dry Demonstrations :

**10X Genomics** : 1. Single cell sequencing analysis, 2. Data Interpretation.

## **Advisory Committee**

**Chief Patron**

**Prof. D. Ravinder**  
**Hon'ble Vice Chancellor,**  
**Osmania University**

**Patrons**

**Prof. P. Laxminarayana**  
**Registrar, OU**

**Prof. B. Reddy Naik**  
**OSD to V.C**

**Prof. G. Mallesham**  
**Dean, Dev & UGC Affairs**

**Prof. A. Balakishan**  
**Dean, Faculty of**  
**Science**

**Prof. M. Srinivas**  
**PURSE Co-Ordinator**

**Convener**

**Dr. B. Vijaya Lakshmi**  
**Director, IOG**

**Organizing Secretaries**

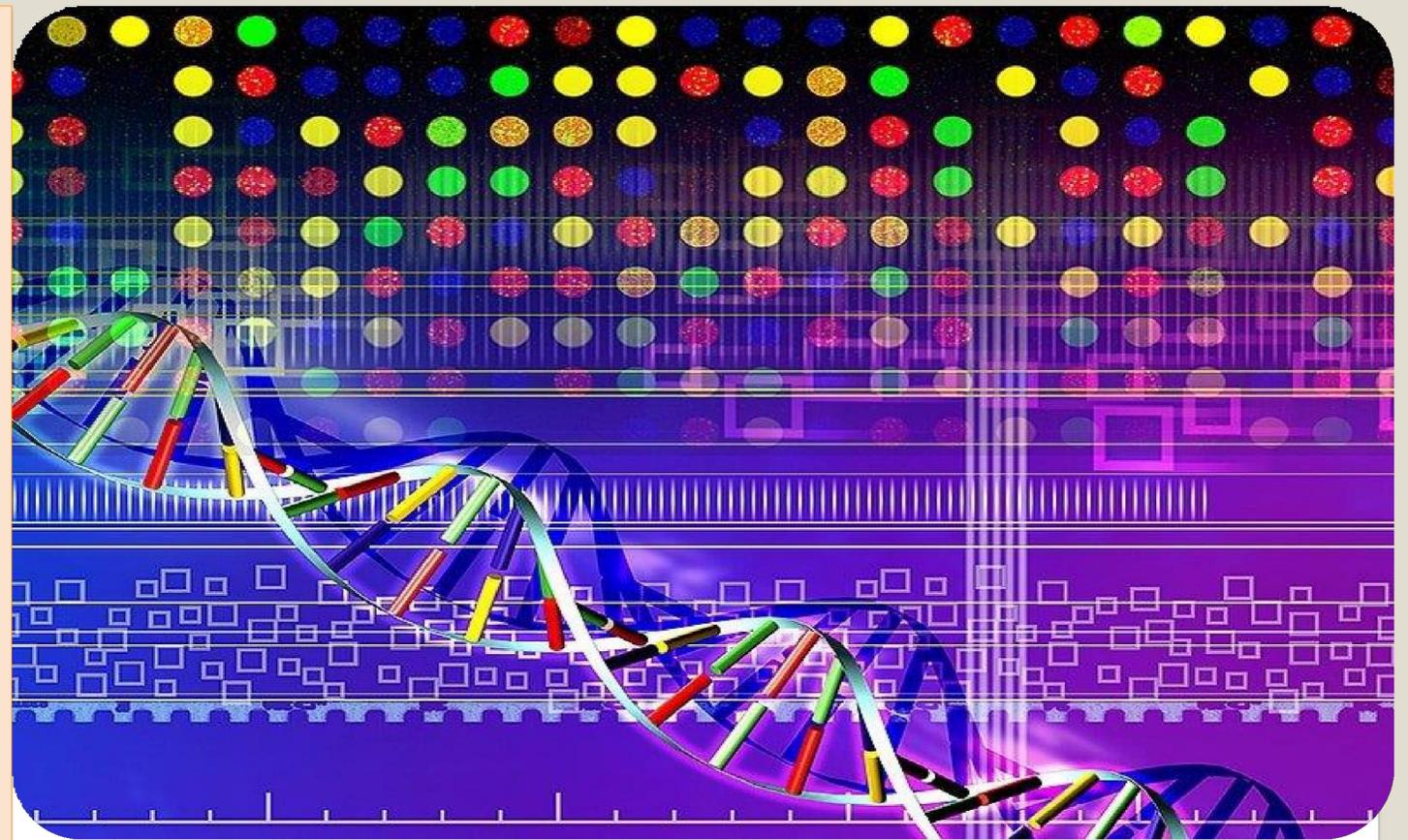
**Dr. B. Srinadh**  
**Dr. T. Sunitha**

**Scientific Secretaries**

**Dr. A. Venkateshwari**  
**Dr. G. Deepika**  
**Dr. MLN. Deepika**

**Organizing Committee**

**Dr. M. Sujatha**  
**Dr. G. Shilpa Reddy**  
**Dr. M. Sailaja**  
**Ms. A. Srilekha**



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Last date for receipt of applications: 12/2/2022

Confirmation of selected candidates: 15/2/2022

