

About Hyderabad

Hyderabad, a historic city is the capital of Telangana state and the hub of Biotechnology and Information Technology. It is known for its hospitality, rich traditions and for its Ancient architectural monuments such as Charminar, Golconda Fort, Mecca Masjid, Royal Tombs of Qutubshahi Dynasty, Ramoji Film City, Birla Mandir and the Monolithic Buddha Statue in Hussain Sagar lake. It is well connected by air and train from all major cities and metropolitan state.

Advisory committee :

International

Dr. Meetha M Medhora

Professor, Radiation Oncology, Pulmonary Medicine and Physiology, Medical College of Wisconsin, USA

Dr. Uma Bathula

University Hospital of Midlands Country Hospital, Weston Road, Staffeorel, ST 16 3SA, UK

Dr. Kumar Kothapalli

Associate Professor, Department of Pediatrics, Dell Pediatric Research Institute, University of Texas at Austin, USA.

Prof. Pasupuleti Vishweshwara Rao

Associate Professor (Senior Level) and Research Coordinator, Department of Biomedical Sciences and Therapeutics, Faculty of Medicine and Health Sciences, University of Malaysia, Sabah, Malaysia. Consultant, The Leeds Teaching Hospitals Leeds, NHS Trust, Leeds, UK

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National

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Director, All India Institute of Medical

Sciences (AIIMS), Bibinagar

Dr. K. Thangaraj

Director, Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad

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Group Leader, Centre for DNA Fingerprinting and Diagnostics, Hyderabad

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Scientist G, ICMR-National Institute of Nutrition, Hyderabad.

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Research Director, Bhagwan Mahaveer

Medical and Research Center, Hyderabad

Prof. M.P.J.S. Anandaraj

Former-Director, Institute of Genetics and Hospital for Genetic Diseases, Hyderabad

Prof. A. Jyothy

UGC Emeritus Professor, & Former-Director, Institute of Genetics and Hospital for Genetic Diseases, Hyderabad

Prof. N. Pratibha

Former-Director, Institute of Genetics and Hospital for Genetic Diseases, Hyderabad

Organising committee

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Vice Chancellor, Osmania University, Hyderabad

Patrons

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OSD to VC, Osmania University, Hyderabad

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Dean, Faculty of Science, Osmania University Hyderabad

Prof. Smita C. Pawar

Director, Central Facilities for Research and Development, Osmania University, Hyderabad.

Convener

Dr. B. Vijayalakshmi

Director I/c, IGHGD, OU

Organising Secretary

Dr. G. Deepika

Assistant Professor, IGHGD, OU

Treasurer

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Clinical Geneticist and Fetal Medicine Specialist, IGHGD, OU

Scientific Secretaries

Dr. A. Venkateshwari

Associate Professor, IGHGD, OU

Dr. G. Shilpa Reddy

Clinical Biochemist, IGHGD, OU

Dr. MLN Deepika

Assistant Professor ©, IGHGD, OU

Members

Dr. M. Sujatha

Clinical Geneticist & Genetic Counselor, IGHGD, OU

Dr. B. Srinadh

Fetal Medicine Specialist, IGHGD, OU

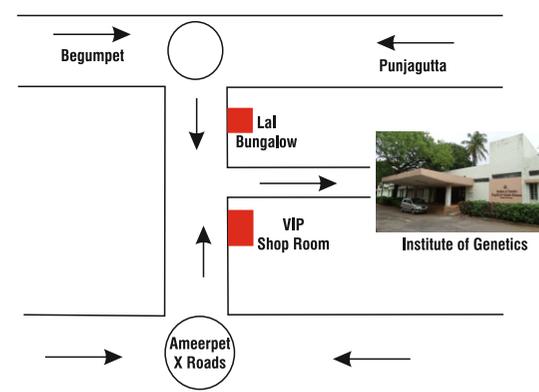
Dr. M. Shailaja

Senior Scientific Assistant, IGHGD, OU

Ms. A. Srilekha

Senior Scientific Assistant, IGHGD, OU

Route Map



Contact us :

Institute of Genetics and Hospital for Genetic Diseases,
Osmania University, Begumpet, Hyderabad, Telangana-500016,
Ph 8331997340, 9908230620; deepikaagdeo@gmail.com,
<https://instituteofgenetics-ou.org>



International Conference on Advances in Genetic Diagnosis in the Era of OMICS

Hybrid mode

17th and 18th June, 2022

Venue:

Conference Hall
Centre for Economic and Social Studies
Institute of Genetics Campus

Organized by
Institute of Genetics and Hospital
for Genetic Diseases

Osmania University, Begumpet, Hyderabad, Telangana- 500016
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Objective of the Conference

India, is in the midst of risk factors for genetic disorders due to consanguinity, high birth rate, inadequate diagnostic/ management/ rehabilitation facilities, inadequate number of genetic counseling experts, lack of awareness of genetic tests, unaffordable access to genetic testing, lack of mandatory policies for pre-marital screening in high risk families, modified lifestyle, stress, exposure to pesticides, malnutrition, and due to other cryptic environmental factors. Thus, genetic disorders remain the leading cause of death. **The Global Burden of Disease (GBD)**, 2016 data reveals that in India, 6 million people died due to Non Communicable Diseases that included Ischemic heart disease, Asthma, Cancers, Diabetes etc. Every year, 17 lakh children are born with birth defects due to genetic abnormalities that are leading cause for infant and child mortality. On the other hand, single gene disorders, chromosomal disorders are also affecting the health index and posing a greater socio-economic burden on the country.

In such a scenario, there is an emergency to develop effective diagnostic and therapeutic approaches to reduce the burden of these diseases. Better understanding of the disease is a prerequisite to establish treatment regimens like precision medicine, that are more effective than the prevailing traditional approaches and Omics approach is one of the evolving potential strategies to achieve it.

Omics is a holistic multi-dimensional approach, that will empower us with deeper insight into the cellular milieu, cellular networks and functions, that in turn may be exploited in several facets of early diagnosis, genetic testing, drug toxicity testing, dietary effects and discovering biochemical pathways among many. This multi-omics approach is already revolutionizing the research, unfolding data with greater resolution and granularity in the form of catalogue of either mutations/ altered transcriptome profile/protein profile/metabolome profile, leading to the discovery of new biomarkers and drug targets that can be used for competent prognosis and treatment of diseases.

This conference is one such gathering that enriches us with updated knowledge and helps realize the potential of the Omics approaches in lessening the Global and National burden of diseases, through early diagnosis, targeted treatment and thereby achieve better prognosis and improved quality of life. It is also a platform to share fresh perspectives on research ideas, sharpen the skills, and to ignite motivation to work in Omics based studies and by attending the conference, the participants would guarantee themselves, with professional and personal development, since this is the era of Omics. Ultimately, this conference hopes to provide a platform to appreciate the power of Omics to mitigate the burden of diseases.

Theme sessions :

Omics approaches in :

1. Biomarkers

2. Therapeutics

3. Epigenetics

4. Rare Disorders

About the Institute:

Institute of Genetics and Hospital for Genetic Diseases is a premiere institute established by Osmania University to conduct multidisciplinary research in Human Genetics and associated allied fields and diagnose genetic diseases. The institute has been accomplishing a pioneer role in southern part of India for the past four decades in providing basic to advanced diagnosis and counselling for identification and management of genetic diseases. The institute's mission is to reduce morbidity and mortality caused by genetic diseases in prenatal, postnatal, and infant periods by providing diagnostic services to those affected and their families using clinical, cytological, biochemical, and molecular approaches, as well as conducting multidisciplinary research. This institute has successfully diagnosed and reported few rare genetic diseases by doing step by step investigations and applying research methodologies. Institute is trying to create awareness among the public by organizing free health camps, screening programmes to identify the carrier status, counselling the affected individuals, spreading information through posters / handouts and videos in English and native languages. Institute also has a special education centre where the children born with intellectual disabilities are trained to be self sufficient.

So far 3.5 lakhs of patients availed the services and several medical practitioners and specialists were trained in the prenatal diagnostics. Institute also provides doctoral and post doctoral research programs and offers training to graduates and post graduates of Life Sciences, Medicine and Paramedicine. Institute of genetics offers Post graduate, diploma and short-term certificate courses in Clinical Genetics.

Registrations :

The participants are supposed to register with the following tariff by **4th June 2022**. Registration fee can be paid in the form of DD or by NEFT. DD should be in favor of Director, Institute of Genetics, Osmania University payable at Hyderabad .

Registration link:

<https://tinyurl.com/2zj92n89>

A/c Name : Director, Institute of Genetics
A/c No. : 30392010034360
Bank : Canara Bank
Branch : Ameerpet, Hyderabad-500 016
IFSC : CNRB0013039

Category	Before 4 th June 2022	Spot registration After 4 th June 2022
Delegates	Rs. 1000	Rs. 1300
Research scholars	Rs. 500	Rs. 600
Students	Rs. 300	Rs. 400

Prof. O.S. Reddi Memorial Lecture Award:

This lecture will be arranged in memory of Prof. O.S. Reddi, who is the founder of Institute of Genetics and Hospital for Genetic Diseases. His great vision to develop academics, research, diagnosis and management of the genetic diseases led to the establishment of this institute wherein lakhs of people got benefitted out of the services. An eminent personality with remarkable achievements in the field of applied human genetics will be selected for this lecture award.

Call for Papers

Abstracts of original research are invited for oral and poster presentations. Abstracts typed in MS Word not exceeding 250 words should be sent by email as an attachment and must reach the organizing secretary on or before **4th June, 2022**. The document should be typed in Times New Roman font (size 12) in the following sequence: Paper title (in bold letters, Title Case), author(s) names (with presenting author underlined), author affiliations, email id of corresponding author. The abstract should be single spaced with margins of 1 inch of the A4 sheet. The mode of presentation (oral or poster) should be clearly indicated. However, the scientific committee reserves the right to admit the paper for oral or poster session. Authors will be notified about the status of their submission by **8th June, 2022**.

Local Hospitality and Accommodation :

Please contact the following for accommodation and Travel :
Mr Jameson Samuel, Sales manager, Ph: 9553855560,
Email : sales.theplaza@tstdc.in, The Plaza, Begumpet, Telangana Tourism,
website : <https://tourism.telangana.gov.in/hotels/ThePlazaHotel>

International Conference

on

Advances in Genetic Diagnosis in the Era of OMICS (Hybrid mode)

Venue

Conference Hall , Centre for Economic and Social Studies
Institute of Genetics campus

On
June 17th & 18th,
2022

Organised by

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Osmania University, Begumpet, Hyderabad, Telangana- 16,
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NEFT details

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IFSC: **CNRB0013039**

Category	Before 4th June 2022	Spot registration after 4th June 2022
Delegates	1000	1300
Research scholars	500	600
Students	300	400

Organising Committee:

Eminent Speakers:

- Dr . Partha Majumdar** Chairman, DBT- Cancer Biology Task Force Members Expert Group; Director, National Institute of Biomedical Genomics, West Bengal.
- Prof. B. J. Rao** Vice Chancellor, University of Hyderabad, Hyderabad.
- Dr. Satish Madala** Associate Professor, Pulmonary Medicine Division, Cincinnati Children' Hospital Medical Center.
- Dr. Shama P Mirza** Associate Professor
Department of Chemistry & Biochemistry
Co-Director, Milwaukee Institute for Drug Discovery
University of Wisconsin - Milwaukee.
- Dr. Seshukumar Kothapalli** Associate Professor of Pediatrics
Dell Medical School, The University of Texas at Austin, Texas.
- Dr. Bhanu Prakash Reddy** Scientist G, National Institute of Nutrition Hyderabad.
- Dr. Ratna Dua Puri** Chairperson, Institute of Medical Genetics & Genomics, Sir Ganga Ram Hospital, New Delhi .
- Dr. Vinod Scaria** Principal Scientist
CSIR Institute of Genomics and Integrative Biology (CSIR-IGIB), South Campus, Mathura Road, New Delhi.
- Dr. Babu Rao Vundinti** Scientist F , ICMR- National Institute of Immunohematology ,Mumbai.

Chief Patron

Prof D. Ravinder Vice Chancellor, Osmania University

Patrons

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