



HYBRID MEETING

8th ANNUAL INTERNATIONAL CONFERENCE

BGCI 2023

7th to 9th July 2023 | Friday to Sunday

International Conference on

Genetics & Genomics in Health & Diseases

Organized by

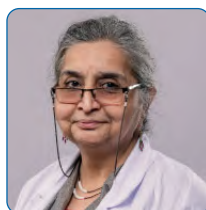
**Board of Genetic Counseling, India
&
University of Hyderabad**



Organizing Members



**Chair Person:
Dr. Prakash Babu**



**Co- Chairperson:
Dr. Q Annie Hasan**



**Organizing Secretary:
Dr. Aruna Priya**



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International Faculty



Prof. Shirley Hodgson

Professor of Cancer Genetics
Emeritus
St. George's, University of London
London



Prof. Alison McEwen

Genetic Counsellor and Educator
Genetic Counselling Discipline
within the Graduate School of Health
at University of Technology Sydney (UTS).
President of the Human Genetics
Society of Australasia (HGSA)



Prof. Dhavendra Kumar

MBBS, MD, DCH (RCPSI), MMed. Sci
PG Cert Med Ed, FRCPI, FRCP, FRCPCH, FACMG
DSc. (Hon.); Honorary Clinical Professor,
The William Harvey Research Institute,
Bart's School of Medicine & Dentistry,
Queen Mary University of London, UK
Sr. Consultant Adviser
Apollo Group of Hospitals, India



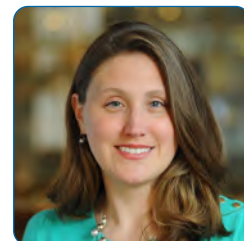
Dr. Kelly Ormond

ABGC and EBMG Registered Genetic Counselor
Lecturer and Research Scientist, ETH-Zurich
Health Ethics & Policy Lab
Department of Health Sciences and Technology
Zurich, Switzerland



Ms. Lynn Pais

Senior Genomic Analyst
Genetic Counselor
Cambridge, Massachusetts, US



Ms. Tanya Eble

Manager, Adult Genetics
Associate Professor and Board
Certified Genetic Counselor
Dept of Molecular and Human
Genetics Baylor College of Medicine



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International Faculty



Dr. Virginia E. Kimonis

CHOC Hospital in Orange
board certified in clinical genetics
NIH sponsored Rare Diseases Clinical Research Network
Physician of Excellence by the
Orange County Medical Association 2012



Dr. Rajesh Dash

Associate Professor & Cardiologist
Stanford University Medical Center
Co-Founder & Chairman
HealthPals Inc, USA, California



Dr. Preetha J Shetty

Associate Professor
(Cytogenetics & Molecular Biology)
Department of Biomedical Sciences
Program Director, BBMS Program
College of Medicine, UAE



Ms. Breana Cham

Principal Genetic Counsellor
Department of Paediatrics
KK Women's and
Children's Hospital, Singapore



Ms. Yoon Sook Yee

Consultant Genetic Counsellor
Cancer Research Malaysia
President, Genetic Counselling
Society Malaysia (GCSM)



Ms. Juliana Lee

FHGSA (Genetic Counselling) Reg.GC
Certified Genetic Counsellor
Genetic Counselling Asia
Hong Kong, Hong Kong SAR



Dr. Peter Abad

Ph. D Nursing Student
Graduate Research Assistant
University of Iowa College of
Nursing, US



Dr. SriPadmini Chennapragada

Founder - Managing Director,
Adapted Sports India Foundation.
USA



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National Faculty



Keynote Speaker

Prof. RNK Bamezai

Former Professor and Dean, School of Life Sciences; and School of Computational and Integrative Sciences, JNU, New Delhi, Former Honorary Director, Delhi School of Public Health Institution of Eminence, University of Delhi
Former Vice Chancellor, SMVDU, Katra, J&K
President, GAP Health Foundation, Dehradun, Uttarakhand



Dr. Villo Morawala

Founder & CMD
Avesthagen Limited, Bengaluru



Dr. Vivek Tyagi

Senior Consultant (CCSEA)
Department of Animal Husbandry and
Dairying Ministry of Fisheries
Animal Husbandry and Dairying



Dr. Heena Tabassum

Scientist & Program Officer
Division of Basic Medical Sciences,
Indian Council of Medical Research
New Delhi



Dr. Moinak Benerjee Ph.D.

Human Molecular Genetics Laboratory
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram
President, Indian Society of Human Genetics



Dr. Usha Dave

Medical Geneticist & Neuroscientist
Specialty- Metabolic & Genetic Disorders
PG Research Guide



Dr. Rachel Jesudasan

Retired Scientist
Centre for Cellular and
Molecular Biology
Hyderabad



Dr. Vijaya Lakshmi Kodati

Obstetrician and Gynaecologist
Hyderabad Nursing Home &
Apollo Cradle, Hyderabad



Dr. Ami Shah

Pediatrician, Clinical Geneticist
EN1 Neuro Services Pvt. Ltd.
Mumbai



Dr. S K Chikara

Founder & CEO
Bione Ventures Pvt Ltd, Bengaluru



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National Faculty



Dr. Prajnaya Ranganath
Associate Professor and Head,
Department of Medical Genetics,
Nizam's Institute of Medical Sciences
Hyderabad



Dr. Pradeep Kumar
Head, Department of Medical Genetics
KMCH Hospitals And medical college
Coimbatore, Consultant Clinical Geneticist
GeneOmm Medical Centre, Coimbatore
President, Genetic wing, Bench mark medical trust



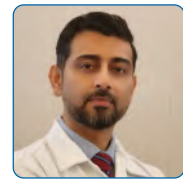
Dr. Manju Bhate
Consultant Ophthalmologist
L V Prasad Eye Institute
Kallam Anji Reddy Campus
Hyderabad



Dr. Annu Acharya
Founder & CEO
Mapmygenome Pvt Ltd, Hyderabad



Dr. Naushad SM
Chief Scientific Officer
YODA Diagnostics Pvt Ltd
Hyderabad



Dr. Chirantan Bose
Chief Molecular Pathologist
One-Cell Diagnostics, Gurgaon



Dr. Zeenath Jehan
Genetic Consultant and Scientist
Department of Genomic Medicine
Vasavi Hospital, Hyderabad



Dr. Moulinath Acharya
Associate Professor,
National Institute of
Biomedical Genomics, Kalyani, WestBengal.



Dr. Swapnil Mahajan
Co-founder & CTO
DeepKnomics Labs Pvt Ltd
Bengaluru



Dr. Deena Patil
Assistant Professor
Department of Dermatology
Ramaiah Medical College
Bengaluru



Dr. Saveetha Meganathan
Senior Scientist
Lead, Community Engagement
Program, Tata Institute for Genetics
and Society (TIGS), Bengaluru



Dr. Anuradha Panda
Senior consultant in Obst.
and Gynaecology,
Laparoscopic and Robotic surgeon
Apollo Health City
Jubilee Hills, Hyderabad.



Dr. N. Apoorva Reddy
Consultant ENT
Head & Neck Surgeon
Kamineni Hospitals, Hyderabad



Dr. Vasanth Thamodaran
Senior Scientist
Tata Institute for Genetics and Society
Bengaluru



Dr. Mahati Chittem
Associate Professor of Health &
Medical Psychology
Department of Liberal Arts
Indian Institute of
Technology Hyderabad (IITH)



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National Faculty



Dr. Vamshi Krishna Thamtam
Head Genomics
Clinical Cytogenomics
Dr. Lal PathLabs Ltd. New Delhi



Dr. Abhishek Mohanty
Program Director and Head
HCG Centre for Biorepository and
Biobanking



Dr. Annapurna S
MD Radiodiagnosis
Associate Professor
Radiodiagnosis, AIIMS Bibinagar
Hyderabad



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Day 1 | 07th July 2023, Friday

8th Annual International Conference BGCI 2023, Hyderabad	
Day 1 07th July 2023 Friday 09.30 am to 06.00 pm	
TIME	PROGRAM
8:00 am - 9:00 am	Registration
9.30 am - 1.30 pm	Genetic Counseling Workshop (Hybrid)
Topic	Training and teaching core skills of genetics and counseling
Chairperson	Prof. A J Bhanwer, Dr. Nishath Aarif
Panelists	Dr. Ajay Mahalka
9.30 am - 9.50 am	Video presentation- Using the Zoom classroom to maximise authentic genetic counselling skill development
Speaker	Prof. Alison McEwen
9.50 am - 10.10 am	Validity of assessments in GC course
Speaker	Dr. Preeta Shetty
10.10 am - 10.30 am	Skills of a Successful Genetic Counseling
Speaker	Dr. Vijaya Lakshmi Kodati
10.30 am - 10.50 am	Training of Genetic Counselling in a Clinical Setup
Speaker	Dr. Prajnya Ranganath
10.50 am - 1.00 pm	Panel Discussion: Case scenarios for practice
Moderator	Ms. Shravani, Dr. Sarah Bailur, Ms. Neeraja Malleda
Panelists	Prof. A J Bhanwer, Dr. Nishath Aarif, Dr. Ajay Mahalka, Prof. Alison McEwen, Dr. Preeta Shetty, Dr. Vijaya Lakshmi Kodati, Dr. Prajnya Ranganath
9:30 am - 1:30 pm	NGS Workshop (In Person - Only 30 Seats)
Topic	NGS and bioinformatics for clinical practice
Chairperson	Dr. Usha Dave, Mumbai
Co-ordinator	Dr. Aruna Sree MK
	Mr. K. Ramesh; Ms. Debasmita Naik
Topic	Evaluation of the newborn for genetic disorders.
Faculty 1	Dr. Virginia E. Kimonis
Topic	Overview of the DNaseq data analysis for clinical diagnostics.
Faculty 2	Dr. Swapnil Mahajan
Topic	Analysis and linking to ClinGen and ClinVar to get meaningful variants from data
Faculty 3	Ms. Lynn Pais
1.30 pm - 2.30 pm	Lunch



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Day 1 | 07th July 2023, Friday

2.30 pm - 3.30 pm	Inaugural Ceremony
Chief Guest	Prof. Basuthkar Jagadeeshwar Rao, Vice Chancellor, HCU
Session (30 minutes)	Prof. RNK Bamezai - Key Note Speaker
Guest of Honor	Dr. Taru Sharma, Director NIAB
3.30 pm - 5.20 pm	Session 1 - Cancer Genetics Screening, Prognosis, Prevention
Chairperson	Dr Ashwin Shah, Ms. Sonali Srungaram
3.30 pm - 3.50 pm	Lynch syndrome
Speaker	Prof. Shirley Hodgson
3.50 pm - 4.10 pm	"Application of genomics in therapeutic decisions for Cancer management"
Speaker	Dr Chirantan Bose
4.10 pm - 4.30 pm	Ultrasound Technologies for Solid Tumor Therapy
Speaker	Dr Avinash Eranki
4.30 pm - 4.50 pm	Psycho-Social aspects in Cancer Genomics
Speaker	Dr Ravi Saxena
4.50pm - 5.20 pm	Panel Discussion
Moderator	Ms. Gouri & Ms. Divya Uchil
Panelists	Dr. Ashwin Shah, Ms. Sonali Srungaram, Dr. Chirantan Bose, Dr Avinash Eranki, Dr Ravi Saxena, Prof. Shirley Hodgson
5.00 Onwards	Tea & Poster



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Day 2 | 08th July 2023, Saturday

8th Annual International Conference BGCI 2023, Hyderabad	
Day 2 08th July 2023 Saturday 09.00 am to 06.00 pm	
8:00 am - 9:00 am	Registration
9:00 am - 10:40 am	Session 2 - Genetic/ Genomic Aspects Of Neurobehavioral diseases
Chairperson	Dr. Naveen Venigalla, Dr. Ravindra Prakash
9:00 am - 9:20 am	Dissecting Dilemmas in Neurodevelopmental diseases
Speaker	Dr Moinak Benerjee
9:20 am - 9:40 am	Diagnosis of Autism Spectrum Disorders – WES versus CMA, experience from a National Reference Laboratory
Speaker	Dr. Vamshi Krishna Thamtam
9:40 am - 10:00 am	Artificial intelligence based integrated OMICs for screening and diagnosis of neurometabolic disorders
Speaker	Dr. Naushad SM
10:00 - 10:20 am	Genetics in neurodevelopmental disorders
Speaker	Dr. Ami Shah
10:20 - 10:40 am	Panel Discussion
Moderator	Dr. Madhaviyata & Mr. Nadir Aman
Panelists	Dr. Naveen Venigalla, Dr. Ravindra Prakash, Dr. Moinak Benerjee, Dr. Vamshi Krishna Thamtam, Dr. Naushad SM, Dr. Ami Shah
10:40 am - 11:15 am	Tea & Poster
11:15 am - 01:15 pm	Session 3 - Psychosocial Ethical And Legal Issues In Genetics And Genomics
Chairperson	Dr Jugnu Jain ; Dr Kalpana Kannabiran
11:15 am - 11:35 am	Emerging ethical issues of genomic diagnosis and screening - Role of the genetic counselor
Speaker	Prof. Dhavendra Kumar
11:35 am - 11:55 am	Psychosocial and the associated ethics of genetics and genomics
Speaker	Dr Mahathi Chittam
11:55 am - 12:15 pm	Practical Ethics and Clinical Genetics in the context of vulnerable and disadvantaged populations
Speaker	Dr. Saveetha Meganathan
12:15 pm - 12:35 pm	Information Management in Families with Inherited Conditions
Speaker	Mr. Peter Abad



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Day 2 | 08th July 2023, Saturday

12:35 pm - 12:55 pm	Addressing ethical situations in genetic counseling clinical practice
Speaker	Dr Kelly Ormond
12:55 pm - 1:15 pm	Panel Discussion
Moderator	Ms. Reena Trivedi & Ms. Vaishnavi Suresh
Panelists	Dr Jugnu Jain, Dr Kalpana Kannabiran, Prof. Dhavendra Kumar, Dr Mahathi Chittam, Dr. Saveetha Meganathan, Mr. Peter Abad, Dr. Kelly Ormond
1:15 pm - 2:30 pm	Lunch Break
1:15 pm - 1:45 pm	AGM for the Board members
2.30 pm - 4.00 pm	Session 4 - Genetic Testing and Counseling For Rare And Common Diseases
Chairperson	Dr. Parimal Mishra ; Dr. Usha Dave
02:30 pm - 02:50 pm	A human pluripotent stem cell model to study Pompe's disease
Speaker	Dr. Vasanth Thamodaran
02:50 pm - 03:10 pm	ICMR: Role and Opportunities in Genetic Research
Speaker	Dr. Heena Tabassum
03:10 pm - 03:30 pm	Genetic Testing- Challenges and the Solutions
Speaker	Dr. Pradeep Kumar
03:30 pm - 03:45 pm	Beyond Genetic Counselling for rare diseases
Speaker	Ms. Breana Cham
03:45 pm - 04:00 pm	"CCSEA: National Regulations in Animal Experimentation"
Speaker	Dr. Vivek Tyagi
04:00 pm - 04:20 pm	Panel Discussion
Moderator	Ms. Yashodhara Bhattacharya & Ms. Lekhangada Aditya Bartaria
Panelists	Dr. Parimal Mishra, Dr. Usha Dave, Dr. Vasanth Thamodaran, Dr. Heena Tabassum, Dr. Pradeep Kumar, Ms. Breana Cham, Dr. Vivek Tyagi
4:20 pm - 4:35 pm	Tea break
4.35 pm - 5.45 pm	Session 5 - Personalized Health Care/wellbeing - Sports And Exercise Nutrigenomics
Chairperson	Dr. Nemani Harishankar, Dr. Renu John
4.35 pm - 4.55 pm	Human gut Microbiota in human health and disease
Speaker	Dr. SK Chikara
4:55 pm - 5:15 pm	Lifestyle genomics





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Day 2 | 08th July 2023, Saturday

Speaker	Ms. Annu Acharya
5:15 pm - 5:35 pm	Advancing Precision Medicine through the Study of Founder Populations
Speaker	Dr. Viloo Morawala Patell
5:35 pm - 5:55 pm	Demystifying Adapted Physical Activity and Sports for the Genetic Counselling Community in India
Speaker	Dr. Padmini Chennapragada
5:55 pm - 6:15 pm	Panel Discussion
Moderator	Dr. Nirali Desai & Dr. Jyoti Bajpai
Panelists	Dr. Nemani Harishankar, Dr. Renu John, Dr. SK Chikara, Ms. Annu Acharya, Dr. Viloo Morawala Patell, Dr. Padmini Chennapragada
8:00 PM	Dinner- The Hyatt Place



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Day 3 | 09th July 2023, Sunday

8th Annual International Conference BGCI 2023, Hyderabad	
Day 3 09th July 2023 Sunday 09.00 am to 04.00 pm	
8:00 am - 9:00 am	Registration
9:00 am - 10:40 am	Session 6 - 5 Senses and multiple Genes - Diagnosis To Treatment
Chairperson	Dr. V. Geetha, Prof. RNK Bamezai
9:00 am - 9:20 am	Ophthalmogenetics: the eyes, brain, and body
Speaker	Dr Manju Bhate
9:20 am - 9:40 am	Evaluation and Management of Speech disorders
Speaker	Dr. N Apoorva Reddy
9:40 am - 10:00 am	Role of genetic testing and counseling in skin diseases
Speaker	Dr. Deena Patil
10:00 am - 10:20 am	On hearing issues
Speaker	Dr Zeenath Jahan
10:20 am - 10:40 am	Panel Discussion
Moderator	Mr. Soham Banerjee & Ms. Ria Ratna
Panelists	Dr. V. Geetha, Prof. RNK Bamezai, Dr Manju Bhate, Dr. N Apoorva Reddy, Dr. Deena Patil, Dr Zeenath Jahan
10:40 am - 11:20 am	Tea & Poster Presentation
11:20 am - 01:20 pm	Session 7 - Precision Medicine and Complex disorders cardiology, Psychiatry and pharmacogenomics
Chairperson	Dr. Srinivas M, Dr. Uday Kumar
11:20 am - 11:40 am	Big Data and AI impacting Health care
Speaker	Dr Rajesh Dash
11:40 am - 12:00 pm	Delineating heterogeneity in complex disease: lesson learned from glaucoma
Speaker	Dr. Moulinath Acharya
12:00 pm - 12:20 pm	Precision Medicine in Oncology
Speaker	Prof. Yoon Sook Yee
12:20 pm - 12:40 pm	SOD1 & Tofersen treatment for ALS
Speaker	Ms. Tanya Eble
12:40 pm - 1:00 pm	GC involvement in biomarker discovery through tumor and banking
Speaker	Dr. Abhishek Mohanty
1:00 pm - 1:20 pm	Panel Discussion



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Day 3 | 09th July 2023, Sunday

Moderator	Ms. Nilanjana & Ms. Lakshita
Panelists	Dr. Srinivas M, Dr. Uday Kumar, Dr. Rajesh Dash, Dr. Moulinath Acharya, Prof. Yoon Sook Yee, Ms. Tanya Eble, Dr. Abhishek Mohanty
1:20 pm - 2:20 pm	Lunch break
2:20 pm - 4:00 pm	Session 8 - Reproductive Medicine and prenatal and neonatal screening
Chairperson	Dr. Sreelatha Nair, Dr. Anuradha Katragadda
2:20 pm - 2:40 pm	Y Chromosome
Speaker	Dr. Rachel Jesudasan
2:40 pm - 3:00 pm	Ultrasound at 11-14 weeks - NT and beyond.
Speaker	Dr. Annapurna S
3:00 pm - 3:20 pm	Recurrent pregnancy loss
Speaker	Dr. Anuradha Panda
3:20 pm - 3:40 pm	Reproductive Genetic Counseling
Speaker	Ms. Juliana Lee
3:40 pm - 4:00 pm	Panel Discussion
Moderator	Ms. Apeksha Supekar & Ms. Suruthi Abirami
Panelists	Dr. Sreelatha Nair, Dr. Anuradha Katragadda, Dr. Rachel Jesudasan, Dr. Annapurna S, Dr. Anuradha P, Ms. Juliana Lee
4:00 PM	Valedictory Function
Chief Guest	Dr Vasundhara Kamineni



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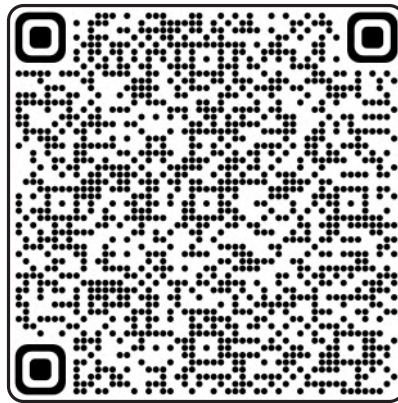
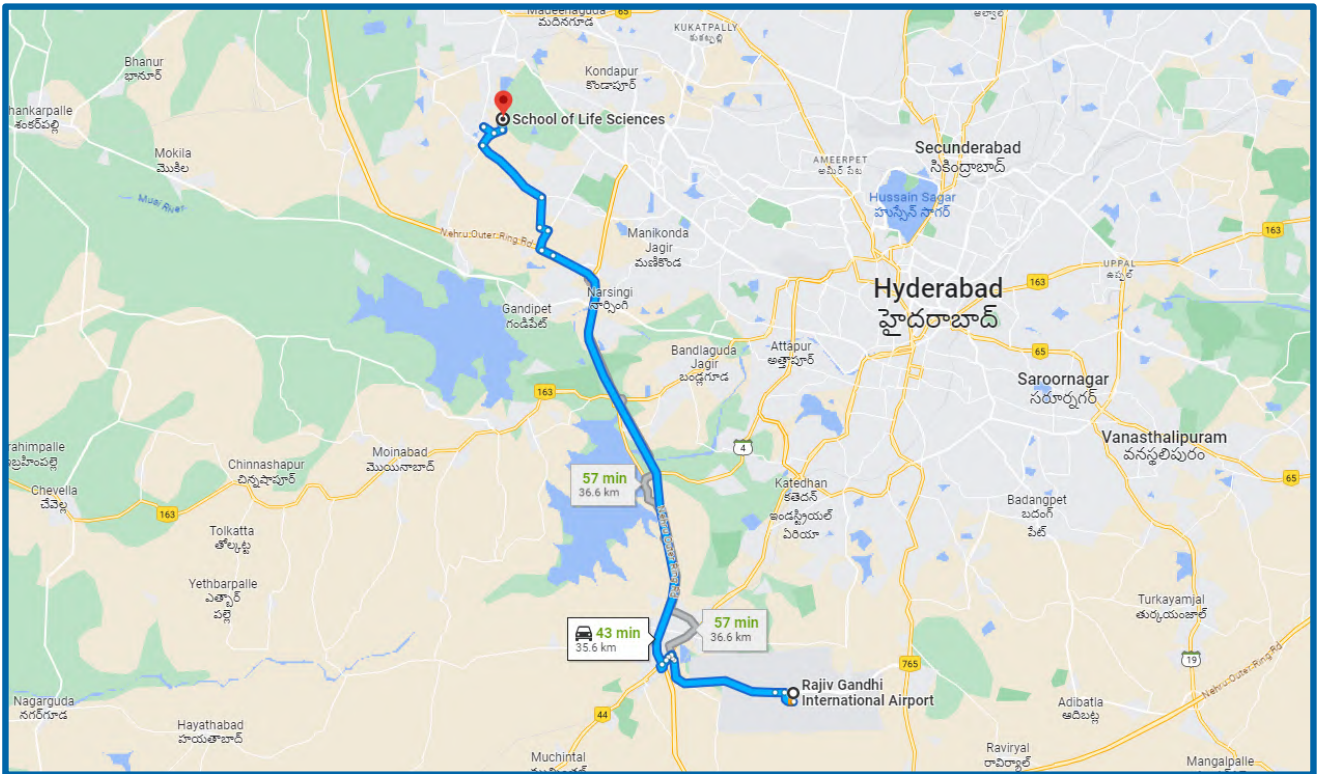
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Venue

School of Life Sciences

Address: School of Life Sciences, University of Hyderabad,
Prof. C.R. Rao Road, Gachibowli Hyderabad, 500046. Telangana, India



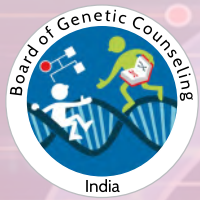
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The Highlights of the Conference

Pre-conference workshops on:

- NGS and bioinformatics for clinical practice (In Person).
- Training and teaching core skills of Genetics and Counseling (Hybrid).

Scientific sessions on:

- Cancer Genetics Screening, Prognosis, Prevention
- Genetic/ Genomic Aspects Of Neurobehavioral diseases
- Psychosocial Ethical And Legal Issues In Genetics And Genomics
- Genetic Testing and Counseling For Rare And Common Diseases
- Personalized Health Care/wellbeing - Sports And Exercise Nutrigenomics
- Ophthalmogenetics - Diagnosis To Treatment
- Precision Medicine - Cardiology, Oncology and Pharmacogenomics
- Reproductive Medicine Prenatal And PGD.

Conference Secretariat:

School of Life Sciences, University of Hyderabad,
Prof. C.R. Rao Road, Gachibowli Hyderabad, 500046.
Telangana, India

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Places of Attractions at Hyderabad



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