

International Conference on Human Genetics & 39th Annual Meeting of Indian Society of Human Genetics

Healthy Genes - Healthy Life

22nd - 25th January, 2014 | Ahmedabad

Conference Program

Organized by:

Foundation for Research in Genetics & Endocrinology [FRIGE] - IHG & Institute of Life Sciences [ILS] - Ahmedabad University, Ahmedabad

www.ishg2014.org

23 rd	Jan	2014	

25 Jan 2014					
	HALL A		HALL B		
8:30-10:10 AM	Session I-Human Genome/Variom Project	8:00-10:05 AM Session II- Complex Diseases: Diabetes and Cardiovascular			
	CHAIRPERSONS:- Dr Rama Vaidya & Professor I C Verma		Disorders CHAIRPERSONS:- Dr Premal Thakore		
8:30-8:55 AM	Human Variome Project - Current		& Professor Rolf-Dieter Wegner		
	Overview -Dr Richard Cotton,	8:00-8:25 AM	Genetic of Type 2 Diabetes -		
	Australia		Dr Dwaipayan Bharadwaj		
8:55-9:20 AM	"3D Facial Phenotyping -	8:25-8:50 AM	Is it time to take Genomics to the		
	Professor Peter Hammond, United		Diabetic Clinics? -		
	Kingdom		Dr Radha Venkatesan		
9:20-9:45 AM	Identification of Novel Genes for Human	8:50-9:15 AM	Prakruti Genomics and Prameha-		
	Disease - Dr Radhakrishna Uppala,		Proclivity: Relevance to Metabolic		
	Switzerland		Syndrome - Dr Ashok Vaidya		
9:45-10:10 AM	Deciphering the Basis of Genomic	9:15-9:40 AM	Genetics of Cardiovascular Disorders:		
	Variability through phenotype -		Influence of Maternal Nutrition -		
	phenotype links: A novel Ayurgenomics		Dr Sukhinder Kaur Cheema, Canada		
	Approach - Dr Bhavana Prasher				
10:15-10:45 AM	-10:45 AM Hall (A) Keynote lecture - Dr Vishwa Mohan Katoch, Director General, ICMR CHAIRPERSONS:- Dr Richard Cotton & Dr Partha Majumdar				
10:45-11:00 AM		Tea			

	HALL A	HALL B
11:00-1:05 AM	Session III-Cancer Genetics CHAIRPERSONS:- Dr Shilin Shukla & Professor Sanjeev Misra	11:00-12:45 PM Session IV - Molecular Cytogenetics in Disease Diagnosis CHAIRPERSONS:- Professor Syed
11:00-11:25 AM	Affordable Diagnosis and Prevention of Genetic Disease - Professor Sir John Burn, United Kingdom	Hashsham & Dr Ken McElreavey 11:00-11:30 AM Small Supernumerary Marker Chromosomes - An Update -
11:25-11:50 PM	An Empirical Assay for Assessing Genomic Sensitivity: Implications for Improving Cancer Diagnostics - Professor Diana Anderson, United	Dr Thomas Liehr, Germany 11:30-11:55 AM Molecular Cytogenetics in Intellectual Disabilities - Dr Madhulika Kabra 11:55-12:20 PM Molecular Cytogenetic Characterization
11:50-12:15 PM	Kingdom Mutational Landscape of Gingivo- Buccal Oral Cancer: New Cancer Genes and Molecular Subgroups Identified - Professor Partha Majumdar	of Chromosomal Rearrangements - Utility in Genetic Counseling and Research- Dr Ashwin Dalal 12:20-12:45 PM Micro-deletion Syndromes - Dr Chaitanya Datar
12:15-12:40 PM	Functional Genomics of Lung Cancer Progression Reveals Mechanism of Metastasis Suppressor Function - Dr Shantanu Chowdhury	,
12:40-1:05 PM	Non-Coding RNA Regulation of Blood Vessel Development in Zebra Fish and Relevance to Humans - Dr Sridhar Sivasubbu	
1:00-2:00 PM		Lunch

	HALL A		HALL B
2:00-3:00 PM	Free Paper Session (HALL A) / Poster Pro CHAIRPERSONS:- Dr Shalmi Mehta & D		
2:00-2:10 PM	A Poisson Regression Model For Association	on Mapping Of Co	unt Phenotypes - Saurabh Ghosh, India
2:15-2:25 PM	Therapeutic potential of Histone Deacetyle - Nina H. Pipalia, USA	ase Inhibitor for tre	eatment of Niemann - Pick type C1 Disease
2:30-2:40 PM	Genetics of Autism Spectrum Disorder & B	DNF Gene - Dr Us h	ıa P. Dave, India
2:45-2:55 PM	Identification and Clinical Evaluation of Segments of Homozygosity, Uniparental Disomy and Complex Chromosomal Abnormalities Revealed by Copy-Number SNP Arrays - Trilochan Sahoo, USA		
3:00-4:45 PM	Session V - Current Trends in Prenatal Screening of Genetic Disorders CHAIRPERSONS:- Dr Jigish Trivedi & Dr Mayank Chowdhury	3:00-4:40PM 3:00-3:25PM	Session VI - Single Gene Disorders CHAIRPERSONS:- Dr Harshuti Shah & Dr Raju C Shah Single Gene Disorders: Indian Scenario -
3:00-3:30 PM	Non-invasive Prenatal Diagnosis using Massively Parallel Sequencing - First Experience in Germany - Professor Rolf-Dieter Wegner, Germany	3:25-3:50PM 3:50-4:15PM	Professor I C Verma DMD - Diagnosis and Management Challenges - Dr Swati Shah Mutation Spectrum of Cystic Fibrosis in India - Dr Renu Saxena
3:30-3:50 PM	Basic Principles of Prenatal Screening for Aneuploidies - Dr Prakash Gambhir	4:15-4:40PM	Molecular Diagnosis for Genodermatosis - Dr Parag Tamhankar
3:50-4:10 PM	Fetal Medicine: Multispeciality approach - Dr Sharad Gogate		
4:10-4:30 PM	Prenatal Screening for Mendelian Disorders in Antenatal Care - Dr Amar Verma		

	HALL A		HALL D
4:30-4:45PM	Non-invasive prenatal testing, a better option for patients - Dr Ashish Fauzdar		
4:45-5:00PM		Tea	
5:00-6:15 PM	Session VII - Genetic Basis of Reproductive Disorders CHAIRPERSONS:- Dr Manish Banker & Dr Prashant Acharya	5:00-6:40 PM 5:00-5:20 PM	Session VIII - Epigenomics CHAIRPERSONS: - Dr G R Chandak & Dr Mitali Mukherji Uniparental Disomy - Clinical
5:00-5:25PM	Exome Sequencing Reveals Novel Genetic Causes of Human Infertility - Professor Kenneth McElreavy, France		Consequences due to Imprinting and Activation of Recessive Genes - Dr Thomas Liehr, Germany
5:25-5:50PM	Genetics of Male Infertility : Indian Scenario - Dr K Thangaraj	5:20-5:40 PM	Epigenetic Alterations during Cervical Cancer Progression -
5:50-6:15PM	Fertility Options for Women with Cytogenetic Infertility - Dr Rama Vaidya	5:40-6:00 PM	Dr K Satyamoorthy In search of Epi-driver Genes in Head and Neck Cancer-
		6:00-6:20 PM	Dr Susanta Roychoudhury Birth Defects: Etiology to Prevention -

HALL B

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7:00PM Onwards

Dr Koumudi Godbole 6:20-6:40 PM Genomic packaging and epigenetic

Conference Dinner at AMA

POSTER PRESENTATION

5:00-6:30 PM WORKSHOP - PCR Based Strategies for Genetic Testing Workshop Faculty:
Dr Parag Tamhankar (India)
Coordinator : Mehul Mistri, Harsh Sheth, Avisek Mazumdar & Chitra Ankleshwaria



2.00-3.00 PM

24 th Jan 2014				
	HALL A		HALL B	
8:00-9:50 AM	Session IX - Next Generation Sequencing CHAIRPERSONS:- Dr Shubha Phadke & Professor Virginia Kimonis	8:00-9:45 AM	Session X - Diagnosis and Therapeutic Approach of Lysosomal Storage Disorders CHAIRPERSONS:- Dr Usha Dave & Dr	
8:00-8:30 AM	Non Syndromic Sporadic Intellectual Disability: An Exome Sequencing Study Our experience - Professor Anita Rauch, Switzerland	8:00-8:30 AM	Inusha Panigrahi Diagnosis and Management of Lysosomal Storage Disorders: Gaucher Experience in Israel -	
8:30-9:00 AM	New Paradigms in Whole Genome Sequencing: from Lab Bench to Cell Phone - Jonathan O'Halloran, United Kingdom	8:30-8:55 AM	Professor Hanna Rosenbaum, Israel ERT for Lysosomal storage disorders: Our Experience in India - Dr Mamta Muranjan	
9:00-9:25 AM	From Personal Genomes to Precision Medicine - Dr Vinod Scaria	8:55-9:20 AM	Mucopolysaccharidosis: Diagnosis to Therapeutics - Dr Sunita Bijarnia	
9:25-9:50 AM	Exome Sequencing Applied to Disorders of Sex Development (DSD) - Professor Kenneth McElreavey, France	9:20-9:45 AM	Molecular Study of Lysosomal Storage Disorders in India - Dr Jayesh Sheth	
9:55-10:15 AM		Tea		

	HALL A HALL B					
10:15-12:15 PM	Session XI - Array-CGH CHAIRPERSONS:- Dr Anaita Hegde & Neurobiology					
	Dr Suresh Amin CHAIRPERSONS:- Dr Sanjiv Mehta &					
10:15-10:40 AM	The Advantages of SNP Arrays over CGH Dr Sudhir Shah					
	Arrays - Dr Boris Keren, France					
10:45-11:05 AM	Cytogenetic Microarray in Prenatal and	Professor Sir John Burn, United				
	Postnatal Diagnosis - Kingdom					
	Dr Shubha Phadke 10:45-11:10 AM Clinical Aspects of Neuroregression:					
11:05-11:25 AM	Genomic Copy Number Variations in Our Experience on Batten disease -					
	Glaucomatous Neurodegeneration - Dr Mahesh Kamate					
	Dr Arijit Mukhopadhyay 11:10-11:35 AM Early Stress Evokes Age-Dependent					
11:25-11:55 AM	Clinical Utility and Dilemmas of SNP Biphasic Changes in Hippocampal					
	Microarray Testing - Professor Virginia Neurogenesis, Epigenetic Regulation of					
	Kimonis, USA the Bdnf Gene, and Cognitive Behaviour					
11:55-12:15 PM	Detection and Inheritance Pattern of	- Dr Ankit Sood				
	CNVs in MCA - Dr Frenny Sheth					
12:00-1:00 PM Free Paper Session (HALL B)						
CHAIRPERSONS:- Dr Bipin Shah & Dr Darshna Naik						
12:00-12:15 PM	2:00-12:15 PM Utility of CD-138 Negative Fraction for Chromosome Analysis in Plasma Cell Dyscrasias (PCD): A					
	Novel Approach - Dr Gopalrao Velagaleti					
12:15-12:30 PM	Prenatal Screening above aneuploidies : Pre-Eclampsia - Dr Gurjit Kaur					
12:30-12:45 PM		Molecular Cytogenetic Techniques: An Experience with				
	330 Cases - Dr Asutosh Halder					
12:45-1:00 PM	M Molecular Characterization of Mutations in Galactosemia Genes: Structural and Functional					

Implications - Dr Rejendra Prasad

	HALL A		HALL B
1:00-2:00 PM		Lunch	
1:00-2:30 PM	Poste	r Presentation (F	Hall C)
2:30-4:20 PM	Session XIII: Inborn Errors of Metabolic Disorders CHAIRPERSONS:- Dr Parag Dagli & Dr Radha Rama Devi	2:30-4:20 PM	Session XIV: Inherited Blood Disorders: Hemoglobinopathies CHAIRPERSONS:- Dr Annie Hasan & Dr Nidhish Nanavaty
2:30-3:00 PM	Dysmorphology of Inborn Errors of Metabolism - Professor Virginia Kimonis, USA	2:30-3:00 PM	New Genes and Mechanism Regulating Blood Formation - Dr Dhvanit Shah , USA
3:00-3:20 PM	New Born Screening Program in India: ICMR Multicentric Experience - Dr Roli Mathur	3:00-3:20 PM	Thalassemia-Can We Reduce the National Burden? - Dr Roshan Colah Hemophilia - Diagnosis and
3:20-3:40 PM	Application of Tandem Mass Screening in IEM - Dr Rohit Cariappa	3:20-3:40 PM	Management Challenges - Dr Shrimati Shetty
3:40-4:00 PM	National Newborn Screening the Road Map - Dr Seema Kapoor	3:40-4:00 PM	Current Status of Sickle Cell Disease in India - How Can You Attenuate? -
4:00-4:20 PM	Treatment of Inborn Error of Metabolism - Dr Anil Jalan	4:00-4:20 PM	Dr Dipika Mohanthy Community Genetic Approaches in the Prevention of β -Thalassemia -
			Dr V R Rao
4:20-5:00 PM	Hall (A) Keynote lecture -System Biology Platform for Genome Sequence to Novel Drug Target Identification - Professor Samir Brahmachari, Director General, CSIR CHAIRPERSONS:- Professor Sir John Burn & Dr Ashok Vaidya		

Session XV - Human Chromosomal Disorders CHAIRPERSONS:- Dr Balraj Mittal & Dr Thomas Liehr Chromosomal Instability and Molecular Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao Newer Methodologies of Chromosomal Diagnosis and Role of Existing Ones-Dr Hema Purandare 6:05-6:30 PM Session XVI: Nanotechnology in Biomedical Research CHAIRPERSONS:- Professor Alok Dhawan & Professor Diana Anderson Nano Mission Programmes - Dr Praveer Asthana 5:45-6:15 PM 6:15-6:45 PM G:15-6:30 PM Molocking the Chemistry of Bile Acids for Cancer Therapeutics - Dr Avinash Bajaj	5:00-5:15 PM	·	Tea	HALL D
Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao 5:40-6:05 PM Diagnosis and Role of Existing Ones-Dr Hema Purandare 6:05-6:30 PM Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao Newer Methodologies of Chromosomal Diagnosis and Role of Existing Ones-Dr Hema Purandare 6:05-6:30 PM Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao S:45-6:15 PM 6:15-6:45 PM Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao Dr Praveer Asthana Self-Therapeutic Nanoparticle - Dr Priyabrata Mukherjee, USA Unlocking the Chemistry of Bile Acids for Cancer Therapeutics - Dr Avinash Bajaj	5:15-6:30 PM	Disorders CHAIRPERSONS:- Dr Balraj Mittal &	5:15-6:30 PM	Biomedical Research CHAIRPERSONS:-Professor Alok
Diagnosis and Role of Existing Ones- Dr Hema Purandare 6:05-6:30 PM Diagnosis and Role of Existing Ones- Dr Hema Purandare 6:15-6:45 PM Unlocking the Chemistry of Bile Acids for Cancer Therapeutics - Dr Avinash Bajaj	5:15-5:40 PM	Mutations in Multi Spectrum Disease of Fanconi Anemia - Dr V Babu Rao		Dr Praveer Asthana Self-Therapeutic Nanoparticle -
	5:40-6:05 PM	Diagnosis and Role of Existing Ones - Dr Hema Purandare	6:15-6:45 PM	Unlocking the Chemistry of Bile Acids for Cancer Therapeutics -
- Dr Debjani Saĥa	6:05-6:30 PM	Provide Clinically Meaningful Solutions		Dr Avinash Bajaj

HALL B

HALL A

HALL C HALL D 1.00-2.30 PM POSTER PRESENTATION 3.00-4.00 PM ISHG Society General Body Meeting 5:00-6:30 PM WORKSHOP - NASI Student - Teacher interaction program Workshop Coordinator - Dr G R Chandak, Dr Mitali Mukerji & Professor Alok Dhawan Workshop Faculty - Professor Sir John Burn, Dr Thomas Liehr, Professor Harish Padh, Dr Kenneth McElreavey, Mr Jonathan O'Halloran, Dr Dhvanit Shah & Professor I C Verma

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	25 Jul	11 2017			
	HALL A	HALL B			
8:30-10:30 AM	ISHG Young Scientist Awards & Lecture (Hall A) CHAIRPERSONS:- Dr K Thangaraj & Dr Q Annie Hasan Invited Guest:- Mr Pankaj Patel (Chairman and Managing Director -ZYDUS CADILA & Patron -ISHG2014 Conference)				
11:00-11:15 AM		Tea			
11:15-1:00 PM	Session XVII: Pre-implantation and Prenatal Diagnosis of Genetic Disorders: Indian Scenario CHAIRPERSONS:- Dr Atul Munshi & Dr Bindu Shah Pre-implantation Diagnosis in Cases of	11:15-12:30 PM Session XVIII: Significance of Pharmacogenomics in Clinical Research CHAIRPERSONS:- Professor R K Goyal & Dr Navneet Shah 11:15-11:40 AM Newer Vistas of Pharmacogenomics -			
	Parental Chromosomal Translocations Applying Array-CGH - Professor Rolf Dieter Wegner, Germany	Professor Harish Padh 11:40-12:05 AM Pharmacogenomics of Cardiovascular Drugs - Dr C Adithan 12:05-12:30 AM Point of Care Testing for Improving Risk-			
	Challenges of Prenatal and Pre- implantation Genetic Diagnosis Studies - Dr Prochi Madon	Benefit Ratio of Aspirin and Warfarin - Mr Harsh Sheth, United Kingdom			
12:05-12:30 PM	Role of USG in the Prenatal Diagnosis of Genetic Disorders - Professor Rolf Becker, Germany				

	HALL A		HALL B
12:30-12:55 PM	Consanguinity and perinatal medicine - the Berlin perspective - Professor Rolf Becker, Germany		
1:00-2:00 PM		Lunch	
2:00-3:20 PM	XIX: Gene Discovery - Translational Research from Bench to Bedside CHAIRPERSONS:-Dr Amit Chakravarty & Dr Madhulika Kabra	2:00-3:15 PM	Session XX: Stem Cell and ERT Therapeutics CHAIRPERSONS:- Professor AJS Bhanwer & Dr Vineet Mishra
2:00-2:25 PM	Digital Health, Micro Fluidics and Genetic Testing - Professor Syed Hashsham, USA	2:00-2:25 PM	Mitochondrial Donation by Stem Cells: Potential for Novel Therapeutics - Dr Anurag Agrawal
2:25-2:50 PM	G protein Signaling in Tumor Cell growth and Metastasis - Dr Danny N. Dhanasekaran, USA	2:25-2:50 PM	Stem Cell Transplantation: Our Experience at Apollo Group of hospitals - Dr Chirag Shah
2:50-3:10 PM	Vitiligo: A complex Disease and a Complex Approach - Professor Rasheedunnisa Begum	2:50-3:15 PM	Perspective of Stem Cell Research and Therapy in Diabetes - Dr Sarita Gupta
3:10-3:30 PM	STR Markers in Clinics : A Rapid Prenatal Diagnosis by QF-PCR for Aneuploidies - Dr Sarita Agarwal		
3:30 PM Onwar	ds Va	aledictory Functi	on
4:30 PM Onwar	ds	Tea	

