9th BGCI

Annual International Conference

Hybrid Meeting

Genomic Variants in Personalized Healthcare **Genetic Counselors as Facilitators**

July 5-7th, 2024 **SAIACS CEO Centre BANGALORE**



Pre conference Workshops



Abstract and E-Poster Presentation



35 National and International Speakers



Organizing Members



DR. VILLOO MORAWALA-**PATELL CHAIRPERSON**



DR. Q ANNIE HASAN CO-CHAIRPERSON



Board of

Genetic counseling

India

ORGANIZING SECRETARY





[🚿] Twitter @avesthagen

in LinkedIn /avesthagenlimited

Facebook/avesthagenlimited

PreConference Workshop





Workshop 1:

Variant Analysis in the WGS Era

Venue: Seminar Hall, SAIACS CEO Centre

Date: July 5th 2024 | Time: 10.00 AM - 1.00 PM

Moderator: Ms Sravani Tadikonda

700						
10.00 AM - 10.15 AM	Introduction and importance Dr. Janani Dakshina Moorthy (Founder, GeneAura Pvt Ltd)					
10.15 AM - 10.35 AM	"" Interpreting voo for fare diseases and prenatal genomics					
10.35 AM - 11.05 AM	Whole Genome Sequencing for Diagnosis - Why, When, How? Dr Sridhar Sivasubbu (Senior Consultant, Vishwanath Cancer Care Foundation)					
	11.05 - 11.25 am Tea Break					
11.25 AM - 12.00 PM	Genomic testing in Oncology Dr Aarti Darra (Bioinformatician, Karkinos Healthcare Private limited)					
12.00 PM - 12.20 PM	Pharmacogenomics, Carrier Status and Incidental Findings from Genomic Tests Dr Bani Jolly (Senior Scientist, Karkinos Healthcare Private limited)					
12.20 PM - 1.00 PM	Guidelines for Variant Interpretation and Clinical Actionability Dr Piyush Pathak (Senior Scientist, Karkinos Healthcare Private limited)					

PreConference Workshop





Workshop 2:

Essentials of Genetic Counseling

Venue: Main Auditorium, SAIACS CEO Centre Date: July 5th 2024 | Time: 10.00 AM - 1.00 PM

Moderators: Ms Yashodhara Bhattacharya; Ms Vaishnavi Suresh



Moderators. W	s Yashodhara Bhattacharya; ws Valshnavi Suresh					
10.00 AM - 10.10 AM	Welcome Remarks Dr. Amarjit Singh Bhanwer (Prof and HOD, Dept. of Genetics, Sri Guru Ram Das University of Health Sciences)					
10.10 AM - 10.20 AM	Importance of Genetics and Genomics in Present Day Healthcare: Genetic Counselors as Facilitators Dr. Dhavendra Kumar (Hon. Consultant in clinical Genetic/Cardiovascular genetics, Bart's NHS Foundatio Trust, London, UK)					
10.20 AM - 10.50 AM	The Core Skills of a Genetic Counselor Mr. Suraj Manikandan (Genetic counselor at KK Women's & Children Hospital, Singapore)					
10.50 AM - 11.05 AM	Different Hats worn by a Genetic Counselor Ms. Lucinda Freeman (Head of Discipline, Genetic Counseling, New Zealand)					
11.05 AM - 11.15 AM	Relevance of Teaching and Training Programs for Genetic Counseling Dr. Dil Afroze (Prof & HOD, Advanced Centre for Human Genetics, SKIMS, JK)					
. 1	11.15 - 11.30 am Tea Break					
11.30 AM - 12.00 PM	Case Scenario-Different Aspects of Genetic Counseling (2 Board certified Genetic Counselors)					
12.00 PM - 12.15 PM	Laws, Ethics and Advocacy Compared with other Nations Dr. Nisha Venugopal (Associate Director, Indo US Organization for Rare Diseases leading Patient-Focused Programs, Operations)					
12.15 PM - 12.45 PM	Panel Discussion Dr. Annie Hasan, Dr. Usha Dave, Dr. B.R. Lakshmi, Dr. Dil Afroze, Dr. Nisha Venugopal					
12.45 PM - 1.00 PM	Collaborations for Professional development of Genetic Counselors - BGCI and HSSC in India Mr. Ashish Jain (CEO) & Dr. Megha Aggarwal (AGM) (Healthcare Sector Skill Council, India)					

Inaugural





Venue: Main Auditorium, SAIACS CEO Centre
Date: July 5th 2024 | Time: 02.30 PM - 04.40 PM

Moderator: Ms Suruthi Abirami

	Welcome Note
02.30 PM -	Dr. Q Annie Hasan, President of BGCI
02.30 PM - 02.40 PM	The state of the s
02.40 1 101	Dr. Villoo Morawala Patell, Founder & CMD, Avesthagen Limited & The
	Avestagenome Project Intl. Pvt. Ltd.
02.40 PM -	Release of MoU from Health Sector Skill India
02.50 PM	Dr. Megha Aggarwal, AGM, Health Sector Skill Council, India
02.50 PM -	Theme of the Conference
02.55 PM	Dr. Gayatri Iyer, Joint Secretary BGC-I; Scientist, Tata Institute for Genetics & Society
3n (1)	Inaugural Talk
02.55 PM -	Prof. Edward S Tobias, Professor of Genetic Medicine, Queen Elizabeth
03.15 PM	University Hospital, University of Glasgow, UK
900	Stake holders Panel Discussion
	Dr Ramesh Hariharan, CEO, Strand Life Sciences
	Dr Rakesh Mishra, Director, Tata Inst. for Genetics and Society
	Dr Lasya Naveen, CEO, St. Peter's Medical College, Hospital & Research Inst
03.15 PM -	Mr Prasanna Shirol, Co Founder and Executive Director, ORDI
04.25 PM	Dr. Sudha Rao, Founder, Dhiti Omics Technologies
04.231 111	Dr. Sudha Warrier, Prinicipal, Faculty of Biomedical Science and Technology, SRMC
	D. Pragnya Rao, Former Pro VC, Kasturba Medical College
	Ms. Sonali Srungaram, Founder & MD, CION Cancer Institue
	Host: Dr Syeda Zubeda; Co Host: Dr Gayatri Iyer
04.05.014	Closing Remarks
04.25 PM -	Dr. Syeda Zubeda, Organising secretary, Medical Geneticist and Senior Genetic Counsel
04.30 PM	Strand Lifesciences Pvt Ltd.

04.30 PM - 4.45 PM | Tea Break

04.45 PM - 05.30 PM
Meet the Experts | Abstract and Poster Showcase





Session 1: Global Variomes for Healthcare Policies

Chairperson: Mr.Prasanna Shirol / Dr. B R Lakshmi | Date: July 6th 2024 | Time: 09.00 AM - 10.50 AM Moderators: Ms. Reena Trivedi; Mr. Soham Banarjee

09.00 AM - 09.30 AM	Population Genomics and Public Health Prof. K Thangaraj, JC Bose Fellow, Senior Scientist, CCMB
09.30 AM - 09:50 AM	Genetic Counseling in the Era of Genomic Medicine Dr. Maya Thangvelu, Director of Cytogenetics, Neogenomics Laboratories, California
09.50 AM - 10.10 AM	Phenotype Vs Genotype : Match and Mismatch Dr. Srinivas Murki, Pediatrician, Paramitha Children Hospital
10.10 AM - 10.30 AM	Prevalence of Hemoglobinopathies, FDA approved treatments and acess in low in come countries Prof. Zilfalil Bin Alwi, UNESCO chair - Human Genetics of Thalassemia Malaysia
10.30 AM - 10.50 AM	Panel Discussion

10.50 AM - 11.10 AM | Tea Break

Session 2: Personalised Medicine

Chairperson: Prof. Parimal Das; Co Chair: Dr. Lahiru | Date: July 6th 2024 | Time: 11.10 AM - 1.10 PM Moderators: Dr Aruna Priya; Ms Sabhya Agarwal

11.10 AM - 11.40 AM	Precision medicine approach to polygenic and monogenic diabetes Dr. Radha Venkatesan, Scientist, Madras Diabetes Research Foundation				
11.40 AM - 12.00 PM	Personal Genomes for precision Medicine Dr. Vinod Scaria, Senior Consultant, Vishwanath Cancer Care Foundation				
12.00 PM - 12.20 PM	Applying genetics for precision medicine in infertility management Dr. Deepak Modi, Scientist, NIRRH, Mumbai				
12.20 PM - 12.35PM	Unlocking Personalized Nutrition: The Future of Health and Well-being Through Nutrigenomics Dr. Renuka Jain, Senior Vice President, Pharma & Nutrition, Avesthagen Limited				
12.35 PM - 12.55 PM	Pre & Post Molecular Investigation: Key notes for Counseling Dr. Prashant Kumar Verma, Consultant Pediatrician and Geneticist, AlIMS				
12.55PM - 01.10PM	Panel Discussion				
COMPANY (COMPANY)					

01.10 PM - 02.00 PM | Lunch Break | Abstract and Poster Showcase

AGM of Board of Genetic Counseling India (BGCI)

01.10 PM - 01.30 PM





Session 3: Common Disorders - Familial and Genetic Aspects

Chairperson: Dr Arijit Mukhopadhyay; Co Chair: Dr Jugnu Jain | Date: July 6th 2024 | Tlme: 02.00 PM - 03.40 PM Moderators: Ms Anuradha Sharma; Ms Prema Mukherjee

02.00 PM - 02.30 PM	Genetic Testing for Common Disorders: Navigating the Advances and Challenges Ms. Sook Yee Yoon, President- Genetic Counseling Society, Malaysia
02.30 PM - 02.50 PM	Diabetic Peripheral Neuropathy: Role of the Genetic Counselor Dr. Lahiru Prabodha, University of Ruhuna, Sri Lanka
02.50 PM - 03.10 PM	Familial Hypercholestemia: What genetic counselors need to know Ms. Tanya Eble, Assistant Professor, Baylor College of Medicine
03.10 PM - 03.20 PM	Cardiogenomics: from Genetics to Genomics or vice versa Dr. Vamsi Krishna Thamtam, Head - Genomics & Clinical Cytogenomics, Dr.LalPath labs
03.20 PM - 03.40 PM	Panel Discussion
	03 40 PM - 04 00 PM Tea Break

Session 4: Cancer - Somatic and Germline for Treatment and Prevention

Chairperson: Dr. Parani Madasamy, Co Chair: Dr Avinash Eranki & Dr. Somashekar Date: July 6th 2024 | Time: 04.00 PM - 05.40PM Moderators: Ms Lisha James; Ms Shreya Satheesh

04.00 PM - 04.30 PM	Cancer Genetic Counseling in the Genomics Era Dr. Shirley Hodgson, Professor at St. George's, University of London				
04.30 PM - 04.50 PM	Liquid Biopsies in Oral Cancer: Its Present state and Future Role in Iower and middle income countries Dr. Manogari, Professor and HOD, University of the Western Cape & WHO Collaboration Centre for Oral Health				
04.50 PM - 05.10 PM	Trials and tribulations in predicting penetrance and expressivity of a variant in hereditary cancer syndromes Dr. Harsh Sheth, Assistant Professor and Head of Advanced Genomic Technologies Division, FRIGE Institute of Human Genetics				
05.10 PM - 05. 30 PM	Genetic landscape of mutations seen in Indian solid cancer cases Dr. Jugnu Jain, Co-Founder & CEO, Sapien Biosciences				
05.30 PM - 05.40 PM	Panel Discussion				





Session 5: Genetic Diagnosis, Counseling and Gene Therapy

Chair: Dr. Usha Dave; Co-Chair: Dr Abhishek Mohanty | Date: July 7th 2024| Time:09.00 AM - 10.50 AM Moderators: Ms Upasana Mukherjee; Ms Aishwarya G Panapil

9.00 AM - 9.30 AM	Genetic revelation from NGS: expediting the scope of personalized medicine in neuro-related conditions Prof. Parimal Das, Professor, Centre for Genetic Disorders Institute of Science, BHU				
9.30 AM - 9.50 AM	Role of Genetics in Hemat oncology and transplantation Dr. Anand Kumar K, Pediatric Hematologist, Sparsh hospital, Bengaluru				
9.50 AM - 10.10 AM	A dilemma in genetic diagnosis, prognosis and counseling for rare neurological disorders. Dr. Sunil Shakya, Scientist-II, Rajendra Inst. of Medical Sciences, Ranchi				
10.10 AM - 10.30 AM	Set up and Management of NBS program in India Dr. Rohit Carriapa, Cheif Scientist, Neogen Labs Pvt Ltd				
10.30 AM - 10.50 AM	Panel Discussion				

10.50 AM- 11.10 AM | Tea Break

Session 6: Prenatal and Reproductive Genetics

Chair: Dr Vijayalakshmi Kodati, Co-Chair: Dr Bibhas Kar | Date: July 7th 2024| Time: 11.10 AM - 01.10PM Moderators: Dr Madhavilatha GK; Ms Pooja N Swamy

11.10 AM - 11.40 AM	Expanded carrier screening for reproductive genetic counseling Ms. Juliana Lee, Genetic Counselor, Genetic Counseling Asia				
11.40 AM- 12.00 PM	Role of PGT - A in reproductive Medicine - cases presentation Dr. Vandana Hegde, Clinical Director & Chief IVF Consultant, Hegde Fertility				
12.00 PM - 12.20 PM	Dilemma in Reproductive Counseling Dr. Veronica PreethaTilak, Clinical Geneticist & Assistant Professor, St. John's Medical College				
12.20 PM - 12.40 PM	Genetic Counseling in Preimplantation Genetic Testing Dr. Bratati Chaudhary, Senior Genetic Counselor, Igenomix				
12.40 PM - 01.00 PM	Panel Discussion				

01.00 PM - 02.00 PM | Lunch Break 01.00 PM - 01.30 PM | Abstract and Poster Showcase





Session 7: Rare Disorders - Pediatric and Adult

Chair: Ms Sook Yee Yoon; Co Chair: Dr Ajay K Mahalka | Date: July 7th 2024| Time:02.00 PM - 03.50 PM Moderators: Ms Suruthi Abirami; Ms Abhinika

02.00 PM - 02.30 PM	Improving health equity by storytelling in rare diseases Dr. Arijit Mukhopadhyay, Associate Professor in Precision Health, Univ of Salford, UK				
02.30 PM - 02.50 PM	Mitochondrial Disorders in the Omics Era: Where do we stand? Dr. P. Govindaraj, PhD, Assistant Professor, NIMHANS				
02.50 PM - 03.10 PM	Genetic Counseling in Genodermatoses: dermatologist's perspective Dr Divya Gupta, Asst. Professor, Manipal Hospitals				
03.10 PM - 03.30 PM	Cardiovascular Genetics:Navigating the complexity of single gene vs polygenic etiologies Dr Shweta Dhar, Vice President of Education, ACMG - American College of Medical Genetics and Genomics				
03.30 PM - 03.40 PM	Industry Perspective: Role of Deep Phenotyping and Human Phenotype Ontology in Diagnosis of Genetic Disorders Mr. Arjun Gupta, Founder, Gentico Research & Diagnostics Pvt Ltd				
03.40 PM - 03.50 PM	Panel Discussion				

03.50 PM - 04.00 PM | Tea Break

Session 8: Early and Late Neurodevelopmental Disorders

Chair: Prof Bhanwar, Co Chair: Dr Dil Afroze | Date: July 7th 2024| Time: 04.00 PM - 05.30PM Moderators: Dr Mansi Vishal; Ms Kankana Goswami

04.00 PM - 04.20 PM	Role of genetic testing and counseling in Peadiatric Neurological Disorders Dr Vykunta Raju, Paediatric Neurologist, Indira Gandhi Inst of Child Health				
04.20 PM - 04.40 PM	Various Aspects of genetic counseling in Neurodevelopmental Disorder Dr Somashekar AR, Prof & HOD, Ped. Dept., Ramaiah Medical College				
04.40 PM - 05.00 PM	Genetics, Testing, and Counseling in Huntington's Disease Dr Meera Purushottam, Senior Scientific Officer, Molecular Genetics Laboratory, Department of Psychiatry, NIMHANS				
05.00 PM - 05.20 PM	Genetic Counseling for Neurodevelopmental disorders Dr. Inusha Panigrahi, Prof. PGIMER, Chandigarh				
5.20 PM - 5.30 PM	Panel Discussion				

Valedictory

International Speakers







Prof. Shirley Hodgson St George's University of London London, UK



Prof. Edward Tobias Queen Elizabeth University Hospital, Glasgow, UK



Prof. Zilfalil Bin Alwi UNESCO chair -Human Genetics of Thalassemia Malaysia



Dr. Lahiru Prabodha University of Ruhuna Sri Lanka



Dr Lucinda Freeman Head, Genetic Counseling, Univ. of Technology, Sydney



Dr. Arijit Mukhopadhay University of Salford, UK



Ms. Tanya Noelle Eble Baylor College of Medicine Baylor, USA



Dr. Manogari Chetty
University of Western Cape
& WHO Collaboration Centre
South Africa



Dr. Shweta Dhar American College Medical Genetics, USA



Ms Maya Thangavelu
Director of Cytogenetics Neogenomics Laboratories
California



Ms Sook Yee Yoon
President
Genetic Counseling
Society Malaysia



Ms Juliana Lee HGSA Certified GC Genetic Counseling Asia, Malaysia

National Speakers







Prof. K Thangaraj JC Bose Fellow Senior Scientist CCMB



Prof. Parimal Das HOD Banaras Hindu University



Dr. Vinod Scaria Senior Consultant Vishwanath Cancer Care Foundation



Dr. Srinivas Murki Paediatrician Paramitha Children Hospita



Dr Meera
Purushottam
Senior Scientific
Officer
NIMHANS



Dr. Sunil Shakya Scientist II Rajendra Inst. of Medical Sciences



Dr. Somashekar Paediatrician Ramaiah Memorial Hospital



Dr. Radha Venkatesan Scientist, MDRF,



Dr. Deepak Modi Scientist F ICMR-NIRRCH



Dr Govindaraj P Asst. Professor NIMHANS



Dr. Divya Gupta Ped. Dermatoogist Manipal Hospitals



Dr. Bratati Chaudhary Scientific advisor & GC Igenomix



Dr. Jugnu Jain Co-founder & CEO Sapien Biosciences



Dr. Vandana Hegde Director Hegde Fertility



Dr Anand Kumar K Consultant Haematologist Sparsh Hospitals



Dr. Vykunta Raju Paediatric Neurologist Indira Gandhi Inst of Child Health



Dr Veronica Preetha Tilak Clinical Geneticist, St. Johns Hospital



Prof. Inusha Panigrahi PGIMER



Dr. Harsh Sheth Asst. Professor FRIGE Institute of Human Genetics



Dr. Nisha Venugopal Indo US Org. for Rare Diseases



Dr Prashant Kumar Verma Pediatrician and Geneticist, AllMS, Rishikesh



Dr Vamshi Krishna Head - Genomics & Cytogenetics Lal Path Labs



Dr Rohit Cariappa Founder, Neogen Labs



Mr Arjun Gupta Founder Genetico Research & Diagnostics

Abstract Submission





- Not exceeding 300 words (excluding title,author/s affiliation/s) should be submitted in any one of the following styles:
- > Original Research: Structured abstracts with Background, Aim, Methods, Results, and Conclusion
- Case report/series: Background, clinical data, Family history, Investigations, Results, Genetic Counseling.
- Innovative themes: May be non-structured, in 1 to 3 paragraphs
- > Font Arial, size 12.
- Under the branches of Oncology / Cardiology / Neurology / Ophthalmology /Nephrology / Reproductive medicine / Infertility / Musculoskeletal disorders / Early and Late Cognitive Disorders- Autism/Alzheimer's/ Longevity/ Ageing/ Common complex disorders/ Metabolic Syndrome-Obesity/ Diabetes/ Dyslipidemia with any of the following themes:

Risk assessment and personalized management

Somatic and Germline testing for treatment and prevention

Digital health/Al in healthcare

Population genomics

Genetic policy/strategy

Genomic education and literacy / Awareness



Click or scan here for submission:



https://tinyurl.com/9thbgciabstract

Last date for submission of e-poster and 3 min explanatory video: 22nd June 2024

Registration for the conference in mandatory for the presenting author

Parallel Workshops on 5th July

Workshop 1: Variant interpretation and Appropriate Genetic Counseling

Workshop 2: Essentials of Genetic Counseling

(In collaboration with SKILL India)

National Gen Category: 1000 INR | Students: 700 INR International Gen Category: 50 USD | Students: 20 USD

Click or scan here for registration:



https://tinyurl.com/9thBGClworkshop

	Hybrid mode - In person		Hybrid m	ode - Online
Early Bird Registration	Gen Category Nat/Intl ons	Student Category Nat/Intl	Gen Category Nat/Intl	Student Category Nat/Intl
till May 31st 2024	6000₹ / 200\$	3500₹ / 150\$	1000₹/ 100\$	750₹/ 50\$
1st-15th June	7000₹ / 250\$	4000₹ / 200\$	1500₹/ 150\$	1000₹/ 100\$
16th June- 1st July	8000₹ / 300\$	4500₹ / 200\$	1500₹/ 200\$	1000₹/ 150\$
Spot Registrations	10000₹ / 300\$	5000₹ / 300\$	1500₹/ 200\$	1000₹/ 150\$

All BGCI Members will get a 50% discount, but they need to register quoting their current BGCI Membership Number.

For accommodation in dormitories, service apartments, hotels

Contact Noelene Chirayath Email: nchirayath@gmail.com

Phone: 9900505117

Click or scan here for registration:



https://tinyurl.com/9thBGCIregistration

Committee Members





Scientific Committee



Dr Usha Dave Navigene



Dr Janani Dakshina Moorthy GeneAura Pvt Ltd



Dr. Ajay K. Mahalka Amity University, Jharkhand



Dr. Mansi Vishal Genetics & You (Freelance)



Dr Surbhi kapoor Hegde hospital

Registration Committee



Dr.Nirali Desai Genetico Research & Diagnostics Pvt. Ltd.



Anuradha Sharma Mediomix



Kankana Goswami **Strand Life Sciences**



Shubham Agrawal **VINYASH**



Sachin Chaurasiya Lilac Insights Pvt. Ltd.



Bharath Kumar Vaitla WEKNOW Genetix clinics

Abstract and Poster Committee



Dr.Gayatri lyer Tata Inst for Genetics & Society



Dr. Deepa Bhat JSS Medical College & Hospital



Dr. G K Madhavilatha Medgenome labs



Reena Sanjay Trivedi Apollo Hospitals International



Suruthi Abirami Anderson Diagnostic Strand Life Sciences Services Pvt Ltd



Lisha James

Stay and Hospitality Committee



Dr Syeda Zubeda Strand Life Sciences



Shubham Agrawal VINYASH



Pooja N Swamy Kangaroo Care Mother & Child Hospital



Apeksha Supekar **Indus Health Plus**



Beulah Thullimelli **Freelance**



Simran Thawani **Progenics**



Abhinika Dr LalpathLabs

Travel and Transport Committee



Redcliffe Lifetech Pvt Ltd



Dr Aruna Priya Rekha Namachivayam Sravani Tadikonda Genepowerx



Genepowerx



Aishwarya Panapil Strand Life Sciences Strand Life Sciences Strand Life Sciences



Sabhya Agarwal



Meghana Muskan



Anupama Jose Dr. Lal Path Labs

Sponsorship & Finance Committee



Dr Jyoti Bajpai Dikshit **Karkinos Healthcare**



Krishangee Das Strand Life Sciences



Deepti Chaudhary Lifecell/Mfine diagnostics



Soham Banerjee Vinyash

Social Media Committee



Mapmygenome Pvt Ltd



Vaishnavi Suresh Upasana Mukherjee Apollo Multispeciality hospitals



Shreya Satheesh **Apollo Proton Cancer Centre**



Soham Banerjee Vinyash



Yashodhara Bhattacharya Unipath Specialty Laboratory Ltd



Trina Vyas **Lords Mark** Microbiotech



Prema Mukherjee Lifecell international