



RARE
DISEASES
INDIA
FOUNDATION



NSGDCON 2025

New Delhi

4th NATIONAL SYMPOSIUM ON GENETIC DISEASES

**THEME: CLINICAL EPIGENETICS:
BRIDGING GENOMICS AND PATIENT CARE**

📍 **Venue:**
**Ashoka Convention Hall,
Manekshaw Centre Auditorium,
Delhi Cantonment, New Delhi**

**1st-2nd
Nov
DELHI-NCR** **2025**

CONFERENCE BROCHURE

Register Online : www.nsgdcon2025.com



Organized by:
Rare Diseases India Foundation (RDIF)

Mobile : +91-98741 34279, +91 96121 12101



Welcome Message

Dear Colleagues,

It is our immense pleasure to welcome you to the Conference on Clinical Epigenetics : Bridging genomics and patient care. We are honored to host this dynamic gathering of researchers, clinicians, and thought leaders dedicated to exploring the rapidly evolving landscape of epigenetics in human health and disease

This conference is designed to foster learning, sharing, collaboration, and networking—key pillars that drive innovation and translation in this complex and promising field. Over the coming sessions, we look forward to engaging presentations, stimulating discussions, and the exchange of cutting-edge ideas that will shape the future of clinical epigenetics.

Your active participation and insights are what make this meeting a vibrant and meaningful experience. Together, let us advance the science and its clinical impact for the benefit of patients everywhere

Welcome, and let the exchange of knowledge begin!

Organising Committee

Org. Chairperson



Dr. Ashok Vellodi

Former Consultant
Pediatrician Great Ormond
Street Children's Hospital, London, UK

Organising Secretaries



Lt. Col. (Dr.) Aradhana Dwivedi

Medical Geneticist
Armed Forces Medical Services



Dr. Veronica Arora

Consultant & Asst. Professor,
Medical Genetics,
Sir Ganga Ram Hospital, New Delhi

Treasurer



Mr. Saurabh Singh

Co-Founder & Chairman,
Rare Diseases India Foundation (RDIF)

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DELHI-NCR

GENETIC DISEASES

**Theme: Clinical Epigenetics:
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Registration Information!

Early Bird till 31 st Aug 2025	Regular till 1 st Sept - 31 st Oct 2025	On Spot
₹2,000	₹3,000	₹4,000

Register Now!

CALL FOR ABSTRACT

Theme:

1. Basic Epigenetic Mechanisms
2. Clinical Epigenetics and Disease Applications
3. Developmental and Reproductive Epigenetics
4. Translational and Diagnostic Epigenetics
5. Pharmacoeugenetics and Therapeutics
6. Environmental and Lifestyle Epigenetics
7. Emerging Technologies in Epigenetics
8. Data Science and Multi-Omics Integration
9. Epigenetics in Public Health and Epidemiology
10. Ethical, Legal, and Social Issues in Epigenetics*

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**Abstract
Submission**

Last Date of Submission!
15th oct, 2025

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**KNOW
YOUR
FACULTY**

IC Verma
Oration being presented to

Dr. Soumya Swaminathan

Organising Committee

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4th NATIONAL SYMPOSIUM ON GENETIC DISEASES

Scientific Program

Date: Day 1 Saturday, 1st Nov 2025

Time	Topic	Speakers
8.30 am to 9.00 am	Registration and coffee ☕ Oral Presentation	
9.00 am to 9:15 a.m	Opening Remarks	Lt. Col Aradhana Dwivedi Dr Veronica Arora Mr Saurabh Singh
9.15 am to 10.15 am	What we know and what to expect to learn Chairpersons— Dr Manjeet Mehta, Dr Bharti, Dr Lokesh Agarwal, Dr Manisha	
	Cluster A - What We Know 1. Core Mechanisms 2. Established Clinical Applications 3. Technology & Tools We Trust	Dr Pallavi Sinha Dr Roshan Daniel Dr Parminder Kaur
	Cluster B - What We Expect to Learn 1. Emerging Horizons 2. Therapeutics & Translation 3. The Future Landscape	Dr Richa Dr Mounika Dr Janmeeta Singh
Session 1. Basic Science Of Epigenetics Chairpersons— Dr Madhulika Kabra, Dr Seema Kapoor, Dr Mamta Muranjan		
10.15 am to 11.15 am	1. Fundamentals of epigenetics. 2. Lessons from Green Genomes: Plant Epigenetics in Perspective 3. The X Files: Epigenetics of the X Chromosome	Dr MK Sibin Dr Rohini Garg Prof. Shubha Phadke
11.15 am to 11.30 am	Introduction and Presentation of the IC Verma Oration Award	Dr Ashok Vellodi
11.30 am to 12.15 pm	IC Verma Oration 🏆 "Cracking the COVID-19 Code: Vaccines, Epigenetics and the Battle Against a Global Pandemic" Chairpersons— Dr Ashok Vellodi, Dr Madhulika Kabra, Dr D S Rana, Prof. Narinder K Mehra Dr Ajay Swarup, Dr N K Ganguly, Lt. Gen S Narayan	Dr Soumya Swaminathan
12.15 pm to 01.00 pm	Inaugural ceremony - Chief Guest and Senior Faculty Presentation of Shaurya Bravery award	
01.05 pm to 01.55 pm	LUNCH / Poster Viewing	
Session 2. Genetic Disorders resulting from epigenetic dysfunction Chairpersons— Brig Karthik Ram Mohan, Dr Manjeet Mehta, Dr Inusha Panigrahi, Dr Sankar VH		
02.00 pm to 03.20 pm	1. Readers: Interpreting the Marks 2. Writers: Authors of the Genome 3. Erasers: Wiping the Slate Clean 4. Remodelers: Redesigning the Genome's Architecture	Dr Kausik Mandal Dr Neerja Gupta Dr Sunita Bijarnia Mahay Dr Ashwin Dalal
03.20 pm to 03.50 pm	Chairpersons— Dr Shubha Phadke, Dr Ashok Vellodi, Dr Seema Kapoor Keynote Lecture 1 Imprinting Disorders: When the Parent Matter Most	Dr Sujatha Jagadeesh
Session 3. Epigenetics in metabolic disorders Chairpersons— Dr Sunita Bijarnia Mahay, Dr Chaitanya Datar, Dr Sheetal Sharda, Dr Seema Thakur		
03.50 pm to 04.50 pm	1. MPS & the Epigenetic Puzzle 2. Fabry & the Epigenetic Pathway 3. Beyond IEMs	Dr Maurizio Scarpa Dr Ashok Vellodi Dr Sumita Danda
04.50 pm to 05.45 pm	Panel Discussion: Genetic Counselling in Epigenetic disorders: Guiding Families in the Maze of Epigenetics	Panelists- Dr Madhulika Kabra, Dr Chaitanya Datar, Dr Shankar V, Dr Vandana Bansal , Dr Mamta Muranjan Moderator- Dr Divya Agarwal/Dr Gayatri
05.45 pm to 07.10 pm	Young Geneticists' speak- Epigenetics in Action: Genes that Speak & Silence Chairpersons— Dr Rohini Garg, Dr M Scarpa, Dr MK Sibin, Dr Sujatha Jagdeesh • Rett Syndrome: When A Methylation Reader Fails • Fragile X Syndrome: Demethylating The Silenced Gene • Angelman Syndrome: Reactivating The Silent Gene • Facioscapulohumeral Muscular Dystrophy (FSHD): Hypomethylation & Dux4 Activation • Down Syndrome: Epigenetic Targets Beyond Trisomy • Epigenetic Therapies In Hemoglobinopathies: Reactivating Fetal Hemoglobin • Epigenetic Therapies In Alzheimer	Dr Ranjana Dr Vinu Narayan Dr Sangeeta Khattar Dr Ravneet Singh Dr Swasti Pal Dr Vibha Jain Dr Kshitija
07.10 pm onwards	Gala Dinner	

4th NATIONAL SYMPOSIUM ON GENETIC DISEASES

Scientific Program

Date: Day 2 Sunday, 2nd Nov 2025

Time	Topic	Speakers
8.00 am to 9.00 am	Chairpersons : Dr Sanjay Gupta, Dr Sheetal Sharda, Dr Bharti	Dr Shruti Bajaj, Dr Devi, Dr Rhea, Dr Kannan, Dr Dipanjana, Dr Evanka
	Interesting work on Epigenetics	
9.00 am to 9:10 am	Recap of Day 1	Lt. Col Aradhana Dwivedi, Dr Veronica Arora
Session 5. Fetal Epigenetics and Early-Life Programming Chairpersons: Dr Seema Thakur, Dr Meenal Agarwal, Dr Reema Bhat, Dr Kausik Mandal		
9.10 am to 10:20 am	1. Developmental Origins Of Health and Disease : An Indian Perspective 2. Epigenetics in Health and Disease; revisiting Lamarckism. 3. Role of exosomal miRNAs as epigenetic regulators in recurrent pregnancy loss. 4. Epigenetic Placental signatures - Windows into pre eclampsia and adverse pregnancy outcomes pregnancy outcome	Dr Ashok Vellodi Dr K.N. Saraswathy Dr Priyanka Srivastava Dr Aparna Sharma
10.20 am to 10:50 am	Chairpersons: Dr Ashok Vellodi, Dr Sumita Danda, Dr Neerja Gupta, Dr Sankar VH	Dr Giriraj Chandak
	Keynote Lecture 2 Early life exposures, fetal programming and epigenetic basis of NCDs	
10.50 am to 11:30 am	Panel Discussion. Nourishing Generations: Maternal Epigenetic Signatures and Their Impact on Fetal Development	Panelists: Dr Kalaivani Mani, Dr Sumitra bachani, Dr Ashok Vellodi, Dr Jaya Chawla, Dr Deepti Saxena, Dr Vandana Bansal, Moderator : Dr Seema Thakur/Dr Moni Tuteja
11.30 am to 12:00 pm	Chairperson- Dr Sunita Bijarnia Mahay, Dr Vibha Taneja, Dr Vandana Chadha, Dr Rashmi Rana 1. From Bench to Bedside: Diagnosis & Management of NF1 Plexiform Neurofibromas 2. Bridging Genomics and Epigenomics: Multiomic Strategies for Precision Medicine	Dr Neerja Gupta Dr. Kriti Kaushik
12.00 pm to 12:10 pm	Coffee/Poster Viewing ☕	
Session 6. Cancer & the Epigenome: The Hidden Hand Chairpersons: Dr Bharti, Dr Aparna Dhar, Col. (Dr) G S Chowdhary		
12.10 pm to 01:10 pm	1. Chromatin & DNA Repair Pathways in Therapy resistant Glioblastoma & Leukemia: Epigenetic insights in to tumor recurrence 2. Emerging Epigenomic Landscape of Gastrointestinal Cancer: Biology and Clinical Implications in the Period of Precision Medicine 3. New Therapeutic Horizons in Cancer Epigenetics	Dr Shilpee Dutt Prof Sanjay Gupta Dr Ashok Sharma
01.10 pm to 01:55 pm	Lunch / Poster Viewing	
01.55 pm to 02:35 pm	Panel Discussion: Cancer Epigenetics: Cracking the Clinical Dilemma	Panelists: Prof Sanjay Gupta, Dr Ashok Sharma Dr Shilpee Dutt, Dr. Atul Batra Dr Aparna Dhar Moderator- Dr Anoop Rawool/ Dr Sameer Bhatia
Session 7. Reading the Invisible: Diagnostics in Epigenetics Chairpersons: Dr Sangeeta Choudhary, Dr.Samarth Kulshreshtra, Col Samir Agarwal, Col Pratibha Misra, Dr Hemlata Wadhvani Bhatia		
02.35 pm to 03:10 pm	Panel Discussion: Marks that matter: Diagnostic windows into Epigenetic disorders	Panelists: Dr Vibha Taneja, Dr Parag Tamhankar, Dr Neha Garg, Dr Manjeet Mehta Dr Mounika, Dr Shruti Bajaj, Dr Deepti Gupta Moderator: Dr Ashwin Dalal
03.10 pm to 04:10 pm	1. Role of NGS in epigenomics 2. Scaling and memory in the epigenetic regulation of gene expression 3. Long-read sequencing in studying DNA methylation	Dr Vinod Scaria Dr Bhaswar Ghosh Dr Divya Tej Sowpati
04.10 pm to 04:40 pm	Panel Discussion: How to integrate epigenetics into current clinical genetic practice	Panelists: Dr Surya, Dr Sheetal Sharda, Dr Meenal Agarwal, Dr Ashutosh Gupta, Dr Priyanshu Mathur Moderator: Dr Hemlata Wadhvani Bhatia
04.40 pm to 5:10 pm	Quiz (Dr Devi, Dr Rhea, Dr Roshan Daniel)	Judge: Dr. Vandana Chadha, Dr Bharti
05.10 pm to 5.20 pm	Closing remarks and vote of thanks	Mr Saurabh Singh, RDIF

About Venue:

Ashoka Convention Hall, Manekshaw Centre Auditorium, Delhi Cantonment, New Delhi

The Ashoka Convention Hall, located within the prestigious Manekshaw Centre Auditorium, is one of Delhi's most elite and secure venues for high-profile conferences and events. Situated in the heart of Delhi Cantonment, this iconic venue offers an exceptional blend of military discipline, state-of-the-art infrastructure, and sophisticated ambience.

Key Highlights

- Premier location in Delhi Cantonment – known for high security and excellent connectivity.
- State-of-the-art auditorium with modern acoustics and AV technology.
- Elegant indoor and outdoor event spaces suitable for national and international gatherings.
- Well-managed parking and hospitality facilities for large delegations.
- Proximity to major landmarks and hotels in South and Central Delhi.





Conference Secretariat

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Organising Secretary

Dr. Veronica Arora
Organising Secretary

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