



2026 INTERNATIONAL CONFERENCE

BRIDGING DIAGNOSIS TO TREATMENT

IN GENOMICS



DATE

30 Sep – 1 Oct 2026



TIME

09:00 AM – 05:00 PM



VENUE

InterContinental
Hotel, Jeddah



AUDIENCE

All Medical
Fields

REGISTRATION &
SUBMIT ABSTRACT



REGISTRATION &
SUBMIT ABSTRACT

LOCATION



Board Members

Saudi Society of Medical Genetics



Ms. Alyaa Qari

Chairman of the Association and Board of Directors



Prof. Zuhair Rahbeeni

Vice President of the Association



Dr. Mohammad Khalid Alwasiyah

Conference Director & Chairman of the Scientific Committee

Lecture Programme

Day 1

Wed, 30 September 2026

TIME	TITLE	DURATION	SPEAKER	CATEGORY
08:00-09:00	Registration	1 hour		
1	Session 1 (Moderator 1 - Moderator 2), Screening			
09:00-09:20	Genetic in KSA, past, now & future	20 min	Prof. Zuhair Rahbeeni KFSHRC	Inauguration
09:20-09:40	International newborn screening: where are we in Saudi Arabia	20 min	Dr. Noara Alhusseini	Lecture
09:40-10:00	Advanced paternal age and denovo mutations	20 min	Dr. Carlos Trujillo	Lecture
10:00-10:10	Discussion	10 min		
10:10-10:25	Coffee break	15 min		
2	Session 2 (Moderator 1 - Moderator 2), Prenatal Genomics			
10:25-10:45	Simple & high-throughput human stem cell-based embryo models	20 min	Dr. Mo LI KAUST	Lecture
10:45-11:05	Transforming Prenatal Care in a Highly Inbred Population: Impact of a Multidisciplinary Board	20 min	Dr. Abdullah Alfalah	Lecture
11:05-11:25	Utility of Non-Invasive Prenatal Test (NIPT) as a Screening Tool for Fetal Aneuploidy in a Family Medicine Setting in Saudi Arabia	20 min	Prof. Mostafa A Abolfotouh	Lecture
11:25-11:45	Genetic disorder prenatal diagnosis and pregnancy termination practices among high consanguinity population, Saudi Arabia	20 min	Dr. Nourah AlQahtani	Lecture
11:45-11:55	Discussion	10 min		
11:55-12:55	Lunch and praying time	1 hour		
12:55-13:15	Opening Ceremony			
3	Session 3 (Moderator 1 - Moderator 2), Diagnosis			
13:15-13:35	Advances in Genomic Diagnosis of Neuromuscular Disorders: Focus on SMA and LGMD	20 min	Prof. Mohd Almuhaizea	Lecture
13:35-13:55	Solving the Unsolved Rare Disease	20 min	Prof. Amal AlHashem	Lecture

TIME	TITLE	DURATION	SPEAKER	CATEGORY
13:55-14:15	Ophthalmological features of genetic / metabolic disorders	20 min	Dr. Nasser Alsaedi	Lecture
14:15-14:35	Radiological features in genetic diseases	20 min	Dr. Ebtihaj Alshihri	Lecture
14:35-14:45		Discussion	10 min	
14:45-15:00		Coffee break	15 min	
4	Session 4 (Moderator 1 - Moderator 2), Diagnosis of Cancer			
15:00-15:20	Application of multi-omics and single cell sequencing in breast cancer, detection and treatment	20 min	Prof. Yousef Hawsawi KFSHRC	Lecture
15:20-15:40	The clinical utility of liquid biopsy in oncology	20 min	Dr. Fahd Alhakami NGH	Lecture
15:40-16:00	Cancer and Longevity, two different sides of the same coin	20 min	Dr. Carlos Trujillo	Lecture
16:00-16:20	NGS-driven insights into: Haematological Malignancies	20 min	Dr. Reem Alsulami KFRC	Lecture
16:20-16:40	The Advancement of NGS Applications in Myeloid Leukaemia Testing	20 min	Dr. Yousef Alghamdi	Lecture
16:40-16:50		Discussion	10 min	

End of day 1

Lecture Programme

Day 2

Thu, 01 October 2026

TIME	TITLE	DURATION	SPEAKER	CATEGORY
08:00-09:00	Registration	1 hour		
09:00-09:20	Advancements in genomic medicine; from multiomics to management	20 min	Prof. Ahmed Alfares	Key note
5	Session 5 (Moderator 1 - Moderator 2), Translating Genomic Findings into Clinical Care			
09:20-09:40	From Variant to Diagnosis: Clinical Interpretation of Genomic Findings	20 min	Dr. Xabier Martinez-de-Morentin	Lecture
09:40-10:00	Multidisciplinary Genomic Care: Bridging the Laboratory and the Clinic	20 min	TBA	Lecture
10:00-10:20	Rapid Genomic Testing in Critical Care	20 min	TBA	Lecture
10:20-10:40	Discussion	20 min		
10:40-10:55	Coffee break	15 min		
6	Session 6 (Moderator 1 - Moderator 2), AI Genomics			
10:55-11:10	AI-Driven Bioinformatics in Neurological Genomics	15 min	Dr. Nouf Alghanimi	Lecture
11:10-11:25	The emerging roles of AI in Digital Transformation and Genomic Medicine	15 min	Dr. Sahar Qazi NGH	Lecture
11:25-11:40	Decoding Multiple Myeloma in Saudi Arabia: Single-Cell and Spatial Multi-Omics for AI-Driven Precision Medicine	15 min	Dr. David Gomez-Cabrero	Lecture
11:40-11:55	Responsible AI in Genomic Medicine: From tool Adoption to Institutional Readiness	15 min	Dr. Sultanah Alshammari KAU	Lecture
11:55-12:10	Intelligent Genomics: AI-Driven Diagnostics Shaping the Future of Precision Medicine	15 min	Dr. Khalidah Khalid Nasser KAU	Lecture
12:10-12:25	Agenetic Genomics: Building the next Generation of AI-Powered Genetic Pipelines	15 min	Dr. Babajan Banaganapalli KAU	Lecture
12:25-13:25	Lunch and praying time	1 hour		
7	Session 7 (Moderator 1 - Moderator 2), Precision Therapies in Genomic Medicine			

TIME	TITLE	DURATION	SPEAKER	CATEGORY
13:30-14:00	Poster Session	30 min		Lecture
14:00-14:20	Precision Medicine in Neuromuscular Disorders	20 min	TBA	Lecture
14:20-14:40	Precision Medicine in Hypophosphatasia: Current and Emerging Therapies	20 min	TBA	Lecture
14:40-15:00	A new therapeutic target for tumorigenesis based on Mendelian genetics	20 min	Prof. Bruno Reversade KAUST	Lecture
15:00-15:10		Discussion	10 min	
8	Session 8 (Moderator 1 - Moderator 2), Disease-Focused Precision Medicine			
15:10-15:30	Advances in the Treatment of Gaucher Disease: From Enzyme Replacement to Gene Therapy	20 min	TBA	Lecture
15:30-15:50	Advances in the Treatment of Urea Cycle Disorders: From Conventional Management to Gene Therapy	20 min	Prof. Moeen Al-Sayed	Lecture
15:50-16:10	Precision Medicine in Von Hippel-Lindau Disease: Current and Emerging Therapies	20 min	TBA	Lecture
16:10-16:30	Company	20 min	TBA	Lecture
9	Session 9 (Moderator 1 - Moderator 2), Poster session			
16:30-16:40	First Poster winner	10 min	TBA	Lecture
16:30-16:40	Second Poster winner	10 min	TBA	Lecture
16:40-16:50	Third Poster Winner	10 min	TBA	Lecture
16:50-17:00	Closing Remarks	10 min	TBA	Lecture

End of day 2

Workshops Programme

Day 1

Wed, 30 September 2026

W

Workshop 1 (Dr. Basma Abadel)

Metabolic Emergency

10:30-12:30

Emergency management for metabolic disorder

W

Workshop 2 (Dr. Eman Mohammed Megdad)

Metabolic Dietitian

13:30-15:30

Day 2

Thu, 01 October 2026

W

Workshop 3 (Prof. Muhammad Imran Naseer, (IGMS) King Abdulaziz University)

Molecular Interpretation

10:30-12:30

W

Workshop 4 (Ms. Alyaa Qari, Ms. Aljoharah Alaskar, Ms. Yara Alqahtani)

Genetic Counselling

13:30-15:30

Public Awareness Programme

Day 2

Thu, 01 October 2026

W

(Dr. Wed Almajdali)

17:00-18:30