



Conference Agenda

Day 1 — Friday, October 9, 2026

08:00 - 08:15 Registration

08:15-08:30 Welcome remarks

Theme 1 — Precision Pediatrics

Moderator: Dr. Dana Marafi

08:30–08:55 The Multiomics Era:
Unlocking rare disease one omic at a time UAE Dr. Samih Al-Qawlaq

08:55–09:00 Questions

09:00–09:45 Opening Keynote: No child left behind:
The promise of precision pediatrics KSA Prof. Fowzan Al-Kuraya

09:45–09:50 Questions

09:50–10:15 Precision Medicine in Diabetes KWT Prof. Fahd Al-Mulla

10:15–10:20 Questions

10:20–10:45 From Genome to Exposome:
Advancing Precision Health in Kuwait KWT Dr. Hamad Yaseen

10:45–10:50 Questions

10:50–11:15 A Decade of Novel Gene Discovery in Disabled
Children Using Next Generation Sequencing KSA Prof. Majid Alfadhel

11:15–11:20 Questions

11:20–11:45 Pioneering Precision Medicine in the Middle East:
Implementing Novel Therapies for Rare Diseases QTR Prof. Tawfeg Ben Omran

11:45–11:50 Questions

11:50–12:15 Precision Histocompatibility: NGS HLA Typing and Virtual
Crossmatching as the Gateway to Curative Transplant
and Cell Therapies for Children with Rare Diseases KUW Dr. Nada Al-Shatti

12:15–12:20 Questions

12:20–13:30 Jumaa/Dhuhr Prayer & Lunch

Theme 2 — Metabolic Disorders

Moderator: Dr. Mariam Ayed

13:30- 13:55 Precision Genomics in Obesity:
From Evidence to Care KWT Dr. Ahmad Al-Serri

13:55–14:00 Questions

14:00- 14:25 First Human Gene Editing — The Baby KJ Story USA Dr. Rebecca Ahrens (CHOP)

14:25–14:30 Questions



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14:30–14:55	Precision Craniofacial Surgery: Integrating Genomics with Contemporary Surgical Care	USA	Dr. Jordan Swanson (CHOP)
14:55–15:00	Questions		
15:00–15:25	The Morbid Primary Mitochondrial Diseases in the GCC: The Known and Unknown	KSA	Dr. Naif Al-Montashiri
15:25–15:30	Questions		
15:30–15:55	Precision Medicine for Rare Neurodegenerative Disorders: Lessons from Metachromatic Leukodystrophy	USA	Dr. Laura Adang (CHOP)
15:55–16:00	Questions		
16:00–16:20	Asr/Prayer & Coffee		
Moderator: Prof. Dalia Al-Abdulrazzaq			
16:20–16:40	The Evolving SMA Treatment Paradigm: Exploring High Dose Nusinersen	KWT	Dr. Sara Al-Enezi
16:40–16:45	Questions		
16:45–16:55	Familial Hyperlipidemia	KWT	Dr. Ahmad Al-Sarraf
16:55–17:00	Questions		
17:00–17:25	Insights from genomic sequencing in infants	USA	Dr. Taylor Wild (CHOP)
17:25–17:30	Questions		
17:30–17:55	AI for Rare Diseases: From Diagnostics Odyssey to Precision Care	UAE	Prof. Fatma Al-Jasmi
17:55–18:00	Questions		
18:00–18:30	Systemic and Neurological Manifestation of Gaucher disease	KWT	Dr. Rasha Al-Safi
18:30–18:55	From Pediatric Clinic to Dental Chair: Precision Care for Children with Genetic Disorders	KWT	Dr. Hessah Al-Bader
18:55–19:00	Questions		
19:00–19:30	Theme 3 — Innovation, Posters & Industry		
	Poster Walk & Industry Showcase		
	Adjourn Day 1		



Conference Agenda

Day 2 — Saturday, October 10, 2026

08:00 - 08:30 Registration

Theme 1 — Governance and Population Genetics

Moderator: Dr. Saadoun Bin-Hasan

08:30-09:00	Beyond short reads: multi-omics and functional genomics	UAE	Dr. Ahmad Abou Tayoun
09:00-09:05	Questions		
09:05-09:30	Cloud Data storage and computing - capabilities and regional experience	KWT	Dr. Dari Al-Huwail
09:30-09:35	Questions		
09:35-10:00	Recognize Early, Act Early: transforming Alpha-Mannosidosis care	BAH	Dr. Zahra Al-Sahlawi
10:00-10:05	Questions		
10:05-10:25	Coffee Break		

Theme 2 — Governance and Data Security

Moderator: Dr. Shaker Bahzad

10:25 - 10:50	Building the Digital Patient: KFSHRC Journey Through Genomics, Multi-Omics and AI	KSA	Prof. Ahmad Al-Fares
10:50 - 10:55	Questions		
10:55 - 11:20	New Frontier Program & Intraoperative/Rapid Multi-omics Diagnostics for Pediatric Cancer	USA	Dr. Marilyn Li (CHOP)
11:20 - 11:25	Questions		
11:25 - 11:50	Keynote: Citywide integration of genomic screening and early diagnostics programs	UAE	Dr. Ahmad Abou Tayoun
11:55 - 12:00	Questions		
12:00 - 14:00	Opening Ceremony		

Theme 3 — Prenatal Genetics

Moderator: Dr. Amal Khader Abdullah

14:00 - 14:25	Transforming Prenatal Care in Highly Inbred Population: Impact of Multidisciplinary Board	KSA	Prof. Mohammed Al-Owain
14:25 - 14:30	Questions		



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14:30 – 14:55	The Kuwaiti Experience in Prenatal Genetics: Data from Clinical Practice	KWT	Dr. Ahmad Al-Ahmad
14:55 – 15:00	Questions		
15:00 – 15:25	Technologies Enabling Genetic Medicine in Utero and Beyond	USA	Dr. Mohammed Gabriel Alameh (CHOP)
15:25 – 15:30	Questions		
15:30 – 15:55	In Utero Gene Editing: A Future Therapy for Genetic Diseases	USA	Dr. Bill Peranteau (CHOP)
15:55 – 16:00	Questions		
16:00 – 16:15	Asr/Prayer & Coffee		
16:15 – 16:40	Triheptanoin in Long-Chain Fatty Acid Oxidation Disorders: Local Experience in Kuwait and Clinical Outcomes	KWT	Dr. Hind Alsharhan
16:40 – 16:45	Questions		
Theme 4 — Advancing Rare Disease Care Moderator: Dr. Fajer Altammar			
16:45 – 17:10	Undiagnosed Disease: Supporting families & planning overseas treatment	USA	Dr. Kate Sullivan (CHOP)
17:10 – 17:15	Questions		
17:15 – 17:40	From Genetic Diagnosis to Brain Targeted Therapy in MPSII: A Precision Medicine Approach	BRA	Dr. Carolina Fischinger
17:40 – 17:45	Questions		
17:45 – 18:15	Best Abstracts Oral Session (Top 3 presentations) Winner Abstracts Presenters		
18:15 – 18:45	Closing Plenary: Awards & Closing Remarks		
18:45	Adjourn Conference		