

Scientific Agenda

Day 1 | November 20, 2026

08:00 – 08:50	Registration & Welcome Coffee
08:50 – 09:00	Opening Remarks
Session 1: Advances in Maternal-Fetal and Neonatal Diagnostics	
Moderator:	
09:00 – 09:25	Clinical Needs and Challenges of Pregnancy Reference Intervals Prof. Anwar Alborai, KSA
09:25 – 09:50	Serum Biomarker Testing for Suspected Hypertensive Disorders of Pregnancy Dr. Fayha Salah Ahmed, UAE
09:50 – 10:15	From PKU to Genome Sequencing: The Journey of Newborn Screening Dr. Azza Attia, UAE
10:15 – 10:45	Official Inauguration
10:45 – 11:00	Coffee Break
Session 2: The Transplant Journey and the Role of Clinical Laboratories	
Moderator:	
11:00 – 11:25	Cellular Therapy Laboratories: What they are and what they do? Dr. Shereen Amer, USA
11:25 – 11:50	The Laboratory Role in Pre-Transplant Screening Dr. Gehad Elghazali, UAE
11:50 – 12:15	Post-Transplant Monitoring of Immunosuppressive Drugs TBA
12:15 – 13:30	Prayer & Lunch Break Poster Viewing
Session 3: The Role of Biomarkers in Gastrointestinal Disorders	
Moderator:	
13:30 – 13:55	Biomarkers in Inflammatory Bowel Disease: A Practical Guide Dr. Myrna Germanos, Lebanon
13:55 – 14:20	Fecal Calprotectin in Gastrointestinal Disease Dr. Mohamedi Begum Rafiq Ahmed, UAE
14:20 – 14:45	Biomarkers for Diagnosis of Celiac Disease Dr. Rania Bedair, UAE
14:45 – 15:00	Coffee Break
Session 4: Equation or Direct Assays: The Ongoing Challenge in Laboratory Medicine	
Moderator:	
15:00 – 15:25	Retiring Friedewald: Modern LDL-C Equations Outperform Both the Friedewald Equation and Direct Assays Dr. Mohammad Imteyaz Ahmad, UAE
15:25 – 15:50	Choosing the Right Free Testosterone Assay TBD
15:50 – 16:15	The New Equations for Glomerular filtration rate (GFR): How will Eliminating the Race Coefficient Affect Patients Dr. Sherief Mofeed
Session 5: The Evolution of Innovation in Clinical Laboratories	
Moderator:	
16:15 – 16:40	The Exposome Revolution, Redefining Health Beyond the Genome Prof. Bernard Gouget, France
16:40 – 17:05	Transforming Healthcare through Environmental Intelligence Prof. James H. Nichols, USA
17:05 – 17:30	Next-generation sequencing (NGS) as a Ground-Breaking Innovation in Clinical Laboratories Dr. Hemad Yasaei, UAE
17:30	End of Day 1

Scientific Agenda

Day 2 | November 21, 2026

08:25 – 09:20 Registration & Welcome Coffee

09:20 – 09:30 Opening Remarks

Session 1:

Moderator:

09:30 – 10:00 Cardiovascular Diseases: A Rising Global Burden and for the UAE
Dr. Hani

10:00 – 10:30 Lipoprotein(a) and Cardiovascular Risk Prevention, from Screening Strategies to Clinical Implementation
Dr. Shereen Amer

10:30 – 11:00 Diabetes and Early Detection of Heart Failure, with a Focus on Biomarkers and Integrated Care Pathways
Prof. Damien Gruson, Belgium

11:00 – 11:15 Coffee Break

Session 2: The Transplant Journey and the Role of Clinical Laboratories

Moderator:

11:15 – 11:45 Women's Cardiovascular Biology, highlighting Biological Differences and their Impact on Cardiovascular Diagnosis and Risk Assessment
Dr. Dima Quraini, UAE

11:45 – 12:15 The Role of Emerging and established Biomarkers in Cardiovascular Prevention and Early Disease Detection
Dr. Ola Elgaddar, KSA

12:15 – 12:45 Troponin Testing: Current State of the art, Opportunities, and Clinical Challenges
TBA

12:45 – 13:45 Prayer & Lunch Break | Poster Viewing

Session 3: The Role of Biomarkers in Gastrointestinal Disorders

Moderator:

13:45 – 14:15 Metabolomics and Lipidomics for Advanced Cardiovascular Risk Stratification
Dr. Elie Fux

14:15 – 14:45 Continuous Education and Collaborative Practices between Laboratory Professionals and Healthcare Providers
TBA

14:45 – 15:15 Biomarkers for Diagnosis of Celiac Disease
Dr. Rania Bedair, UAE

15:15 Networking Reception | End of Conference