



FROM GENES TO TREATMENT

The Role of Pharmacogenomics in Modern Medicine

23 February 2025

The Diplomat Radisson Blu Hotel



Speakers



**FROM GENES
TO TREATMENT**

The Role of Pharmacogenomics in Modern Medicine



Prof. Sir Munir Pirmohamed

Chair of Pharmacogenetic
Director, Centre for Drug Safety Science and Wolfson
Centre for Personalized Medicine
Director, HDR UK North (ISMIB)
University of Liverpool
Liverpool, UK



Prof. Fowzan AlKuraya

Chief Medical & Genomics Officer, Lifer Omics
Professor of Human Genetics
College of Medicine, Alfaisal University
Adjunct Principal Scientist
Genomic Medicine Center of Excellence, KFSHRC
Riyadh, Kingdom of Saudi Arabia



Dr. Jameela Al Salman

Member of the Shura Council
Senior Consultant, Infectious Diseases
Associate Professor, Arabian Gulf University
Kingdom of Bahrain



Dr. Laila Carolina Abu Esba

Clinical Pharmacist
In-Charge of the Drug Information & Poison Center
Chair of the Corporate Drug Evaluation Committee
King Abdulaziz Medical City
Joint Appointment- Lecturer College of Pharmacy
King Saud bin Abdulaziz University for Health Sciences
Riyadh, Kingdom of Saudi Arabia



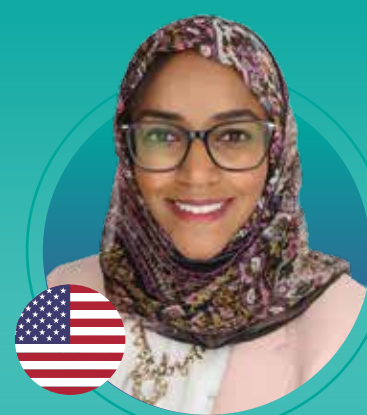
Dr. Anas Hamad

Pharmacy Executive Office
Hamad Medical Corporation
Adjunct Assistant Professor of Clinical Pharmacy
& Practice
College of Pharmacy
Qatar University
Doha, Qatar



Dr. Mariam Bu Sehail

Consultant Pediatrician in Metabolic
and Medical Genetics
Governmental Hospitals
Kingdom of Bahrain



Dr. Razan El Melik

Senior Pharmacy Manager
Assistant Professor of Pharmacy
Mayo Clinic College of Medicine & Science
Chair, Mayo Midwest Pharmacy Equity, Inclusion and
Diversity Council
Rochester, Minnesota
United States



Dr. Mohammed Essa

Consultant, Pediatric Hematology Oncology
King Abdullah Specialist Children Hospital
Ministry of National Guard
Associate Professor,
King Saud bin Abdulaziz University for Health Sciences
Riyadh, Kingdom of Saudi Arabia



Dr. Fatema Marhoon

Trained Genetic Counselor
National Genome Centre
Ministry of Health
Kingdom of Bahrain



Dr. Abdulrahman Sharaf

Clinical Pharmacist
Salmaniya Medical Complex
Governmental Hospitals
Kingdom of Bahrain

Program



07:30 - 08:00

Registration

Theme: Pharmacogenomic
Moderators: Dr. Hussain Taha and Ms. Eman Al Ali

08:00 – 08:20

Impact of Precision Medicine on PGX Application: How to Shift Towards Personalized Medicine in Influencing the Current Medical Management Practice

Dr. Mariam Bu Sehail

08:20 – 08:40

How can Pharmacogenomic Support your Clinical Practice? (Virtual)

Dr. Razan El Melik

08:40 – 09:00

Discussion

09:00 – 09:15

Opening Ceremony Part 1

09:15 - 09:25

Bahrain Experience: The First Successful CRISPR-Based Sickle Cell Treatment

Dr Jameela Alsalman

09:25 – 09:45

Pharmacogenomics: Current Status and Future Perspectives

Prof. Sir Munir Pir Mohamed

09:45 – 10:00

Opening Ceremony Part 2

10:00 – 10:30

Exhibition Opening & Coffee Break

10:30 – 10:50

Experience of KSA: Success of the First Gene Therapy for Thalassemia

Dr. Mohammed Essa

10:50 – 11:20

Druggable Genome: Human Genomics Inspiring Drug Development

Prof. Fowzan AlKuraya

11:20 – 11:40

A Critical Review of Evidence on SMA Disease Modifying Therapies, A Value Assessment

Dr. Laila Abu Esba

11:40 - 11:50

Discussion

11:50 – 12:05

Prayer & Break

Theme: Regulation, Policy and Ethics Related to Medicine Purchasing
Moderators: Dr. Fatima Marhoon and Ms. Heba Abdulredha

12:05 – 12:25

Pharmacogenetics: A Pathway to Cost Effective Targeted Healthcare

Dr. Anas Hamad

12:25 – 12:45

PGx Outcome of Bahraini Genome Project

Dr. Fatema Marhoon

12:45 -13:05

Pharmacogenomics: Bridging the Gap Between Genetics and Drug Response

Dr. Abdulrahman Sharaf




13:05 – 13:20

Discussion

13:20 – 14:20

Lunch Break

Sponsors Satallite Symposiums (Parallel Sessions)

  		
14:20 – 14:40	Redefine Asthma Rescue Therapy <small>(Sponsored by AstraZeneca)</small>	Dr. Muneer Mahdi
	Harnessing Innovation in Glioma Care: A Multidisciplinary Approach <small>(Sponsored by Servier)</small>	Dr. Anas Hamad
	Enabling PGx Profiling with Infinium Arrays <small>(Sponsored by Al Zahrawi)</small>	Dr. Samih Al Qawlaq
14:40 – 15:00	Avoiding Re-hospitalization: A place for Long Acting Injections? <small>(Sponsored by Lundbeck)</small>	Dr. Hasan Fadhul
	Pharmacogenomics and the Future of Customised Medicine <small>(Sponsored by Gulf Pharmacy)</small>	Dr. Burhanuddin Al Awadhi
	Semaglutide in Cardio-Kidney-Metabolic Disease: A Multi-Organ Approach to Diabetes Care <small>(Sponsored by NovoNordisk)</small>	Dr. Hassan Frookh
15:00	Wrap up & Recommendations and Closure	



Dr. Muneer Mahdi

Respiratory Consultant
Head of Respiratory Unit - SMC
Governmental Hospitals
Kingdom of Bahrain



Dr. Samih Al Qawlaq

Executive Clinical Sales Specialist,
Illumina.
Dubai, UAE



Dr. Burhanuddin Al Awadhi

PharmD, MSc
Kingdom of Bahrain



Dr. Hasan Fadhul

Consultant of Psychiatry & Psychoso-
matic Medicine
Ministry of Health
Kingdom of Bahrain



Dr. Anas Hamad

Pharmacy Executive Office
Hamad Medical Corporation
Doha, Qatar



Dr. Hassan Frookh

Consultant Endocrinologist
Salmaniya Medical Complex
Kingdom of Bahrain

Sponsors

Platinum Sponsors



Gold Sponsors



Silver Sponsors

