

## Precision Medicine: Promoting Knowledge Exchange and Collaboration between Kuwait and the United States – Workshop 1

**Location:** The Arab Fund for Economic and Social Development (Arab Fund), headquartered in the State of Kuwait

### Agenda

#### DAY 1: SUNDAY, FEBRUARY 2, 2025

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All workshop sessions on this day will be held in 'multi-purpose hall', ground floor.  
Coffee break and lunch will be held on first floor.

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| 8:15–9:00 am   | <b>Registration</b>  |
| 9:00–9:15 am   | <b>Welcome Remarks by Committee Co-chairs</b><br><b>Dr. Salman Al-Sabah</b> , President, Kuwait Authority for Medical Responsibility<br><br><b>Dr. Fawaz Haj</b> , Professor of Nutrition and Internal Medicine, University of California-Davis  |
| 9:15–9:30 am   | <b>Remarks by KFAS and NASEM Leadership</b><br><b>Dr. Ibrahim Rashid Al Rashdan</b> , Board Member, Kuwait Foundation for the Advancement of Sciences<br><br><b>Dr. Dalal Najib</b> , Senior Director, Science and Engineering Capacity Development, Policy and Global Affairs Division, The National Academies of Sciences, Engineering, and Medicine |
| 9:30–10:10 am  | <b>Opening Plenary Session: Precision Medicine Landscape in Kuwait</b><br><b>Dr. Fahd Al-Mulla</b> , Chief Scientific Officer and Head of the Translational Research Department, Dasman Diabetes Institute, Kuwait<br><br><i>Moderator:</i><br><b>Dr. Salman Al-Sabah</b> (Committee Co-chair), President, Kuwait Authority for Medical Responsibility |
| 10:10–10:40 am | <b>Group Photo and Coffee Break</b>  |

**10:40 am–12:40 pm Session I: Precision Medicine for Chronic Metabolic Diseases**

**Dr. Ahmad Al-Serri**, Associate Professor of Genetics and Behavioral Science, Kuwait University

**Dr. Mohammad Jamal**, Professor & Surgeon, Kuwait University

**Dr. Jason Kim**, Professor of Medicine & Molecular Medicine, Director of Metabolic Disease Research Center, University of Massachusetts Chan Medical School

**Dr. Rohit Kulkarni**, Professor of Medicine, Harvard Medical School; Diabetes Research and Wellness Chair and Senior Investigator, Joslin Diabetes Center

*Session I co-organizers:*

**Dr. Fawaz Haj** (Committee Co-chair), Professor of Nutrition and Internal Medicine, University of California-Davis

**Dr. Salman Al-Sabah** (Committee Co-chair), President, Kuwait Authority for Medical Responsibility

**12:40–2:10 pm Lunch**

**2:10 am–3:40 pm Session II: AI and the Future of Precision Medicine**

**Dr. Amina Qutub**, Associate Professor and Assistant Director of Strategic Partnerships at MATRIX AI Consortium, The University of Texas at San Antonio

**Dr. Mehrtash Babadi**, Institute Scientist and Director of Computational Methods, Broad Institute (*virtual*)

**Dr. Sarah Al Youha**, Assistant Professor and Senior Surgeon, Kuwait University

*Session II co-organizers:*

**Dr. Ahmad Nabeel** (Committee Member), Physician and Researcher, Imperial College London

**Dr. Stacey Gabriel** (Committee Member), Executive Vice President of Platforms and Scientific Execution, Broad Institute

**3:40–4:00 pm Break**

**4:00–4:35 pm Keynote Remarks: Advancing Precision Medicine through Domestic and Global Collaboration and Partnerships**

**Dr. Hilal Lashuel**, Research, Development and Innovation Advisor for the Chairperson of Qatar Foundation; Founder and Chief Executive Officer, ND BioSciences

*Moderator:*

**Dr. Fawaz Haj** (Committee Co-chair), Professor of Nutrition and Internal Medicine, University of California-Davis

**4:35–4:45 pm Closing Remarks by Committee Co-Chairs**

**4:45–5:30 pm Site Tour at the Arab Fund Headquarters**

**7:45 pm Formal Dinner Reception at KFAS**

## DAY 2: MONDAY, FEBRUARY 3, 2025

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Morning workshop sessions (Plenary and Session III) on this day will be held in 'multi-purpose hall', ground floor. Coffee break and lunch will be held on first floor.

Afternoon collaborative discussions will be held on fourth floor.

- 9:00–9:10 am**      **Recap of Day 1**  
**Dr. Salman Al-Sabah**, President, Kuwait Authority for Medical Responsibility
- 9:10–9:50 am**      **Plenary Session: Understanding the Burden of Disease by 2050**  
**Dr. Ali Mokdad**, Chief Strategy Officer, Population Health, University of Washington
- Moderator:*  
**Dr. Salman Al-Sabah** (Committee Co-chair), President, Kuwait Authority for Medical Responsibility
- 9:50–10:15 am**      **Coffee Break**
- 10:15 am–12:15 pm**      **Session III: Point-of-Care Technologies for the Advancement of Precision Health**  
**Dr. Kathleen Barnes**, Senior Vice President of Population Health & Precision Medicine, Oxford Nanopore Technologies  
**Dr. Vasilis Vasiliou**, Department Chair and Professor of Epidemiology, Yale University  
**Dr. Fawaz Alzaid**, Senior Scientist and Head of Bioenergetics and Neurometabolism, Dasman Diabetes Institute, Kuwait
- Session III co-organizers:*  
**Dr. Hutan Ashrafian** (Committee Member), Lead for Applied Artificial Intelligence and Big Data at the Institute of Global Health Innovation, Imperial College London; Chief Scientific Officer of Preemptive Health, Flagship Pioneering  
**Dr. Susan Sumner** (Committee Member), Professor at Nutrition Research Institute and Director of the Metabolomics and Exposome Laboratory, University of North Carolina at Chapel Hill
- 12:15–1:30 pm**      **Lunch**
- 1:30–3:00 pm**      **Collaborative Discussions** (closed sessions for speakers and invited experts)  
Lessons learnt from the workshop; next steps/ideas for future collaborations
- **Chronic Metabolic Diseases**
    - o **Moderator: Dr. Donna Ryan**, Professor emeritus at Pennington Biomedical Research Center in Baton Rouge, Louisiana; Past President of the Obesity Society
  - **Point-of-Care Technologies and AI**
    - o **Moderator: Dr. Saeed Hassanpour**, Professor and Director of Center for Precision Health & Artificial Intelligence, Dartmouth College

- **Genomics**

- **Moderator: Dr. Stacey Gabriel**, Executive Vice President of Platforms and Scientific Execution, Broad Institute

**3:00–3:15 pm**

**Break**

**3:15–3:45 pm**

**Short Debrief from Collaborative Discussions**

- moderator from each breakout room will debrief to everyone

**3:45–4:00 pm**

**Closing Remarks from Co-chairs**

**6:30 pm**

**Cultural Tour + Dinner**