

OCTOBER 2025

NATIONAL
ACADEMIES

*Sciences
Engineering
Medicine*



مؤسسة الكويت للتقدم العلمي
Kuwait Foundation for the Advancement of Sciences

Precision Medicine: Promoting Knowledge Exchange & Collaboration Between Kuwait and the United States

Second Workshop: Oct 14-16

Biography Book

This biography book includes the bios of workshop attendees includes planning committee members, speakers, moderators, and invited experts.

Planning Committee

Dr. Salman Al-Sabah (Co-Chair)

President

Kuwait Authority for Medical Responsibility
Kuwait



Salman Al-Sabah is a distinguished surgeon and a leading authority in bariatric and metabolic surgery. He earned his medical degree from Kuwait University and completed his residency in General Surgery at McGill University, Canada. Additionally, he holds a Fellowship in minimally invasive Surgery from McGill University and a Master's of Management from McGill University's Desautels Faculty of Management. His advanced education includes a Master's in Clinical Services Operations from Harvard Medical School. Dr. Al-Sabah is currently the President of the Authority for Medical Responsibility (AMR) in Kuwait and has previously served as the founding Chairman of Surgery and the Director of Surgical Research at Jaber Al-Ahmad Al-Sabah Hospital. He was also an Associate Professor and Assistant Vice Principal for Research and External Collaboration at Kuwait University. He has been a visiting professor at Harvard University's Brigham and Women's Hospital. His clinical focus encompasses Metabolic/Bariatric Surgery, Minimally Invasive Surgery, Advanced Endoscopy, Medical Law, and Health Policy. He has over 130 publications and five books to his name. He is a board member, founder, and past President of the Gulf Obesity Surgery Society, founder and President of the Kuwait Association of Surgeons (KAS), and past Governor and President of the American College of Surgeons.

Dr. Fawaz Haj (Co-Chair)

Professor of Nutrition and Internal Medicine
University of California, Davis
United States



Fawaz Haj is a Professor of Nutrition and Internal Medicine at the University of California, Davis. His research program investigates the molecular mechanisms underlying metabolic homeostasis, including obesity, type 2 diabetes and its complications. They employ genetic,

pharmacological, biochemical, and metabolomics approaches to decipher the role of protein tyrosine phosphatases (PTPs) and soluble epoxide hydrolase in metabolic regulation. Dr. Haj has over 25 years of experience studying the regulation of physiological processes and pathophysiological counterparts. During his D.Phil. at the University of Oxford, he studied the role of receptor PTPs in physiology and neurobiology. At Harvard University and EMBL, he investigated the role of tyrosine phosphorylation and dephosphorylation in cell signaling, obesity, and diabetes. As a P.I at the University of California, Davis, for the past 17 years, he has been privileged to conduct research in a highly collaborative and outstanding scientific environment. Dr. Haj's laboratory includes dedicated team members who are committed to the development of mechanism-based therapies to combat chronic metabolic diseases.

Dr. Hutan Ashrafian (Committee Member)

Professor and Lead for Applied AI and Big Data, Imperial College London

Chief Scientific Officer of Preemptive Health, Flagship Pioneering United Kingdom



Hutan Ashrafian is a clinician-scientist, entrepreneur and active surgeon translating novel technologies and therapeutics in healthcare and policy. He leads the STARD-AI and QUADAS-AI global guideline initiatives for AI diagnostic accuracy. He runs the collaboration with Imperial College London, NHS Hospitals and Google on an AI algorithm for Breast Screening and with NICE on health technological assessment (HTA) classifications for AI. He was awarded the Royal College of Surgeons Arris and Gale Lectureship, the Hunterian Prize, the Wellcome Trust Research Fellowship and an NIHR Clinical Lectureship. He has authored >550 publications and 12 personally authored books. He has several eponymous medical signs named after him including the Ashrafian sign for aortic regurgitation and described his own procedure - the Ashrafian Thoracotomy. He is currently the Lead for Applied Artificial Intelligence (AI) and Big Data at the Institute of Global Health Innovation at Imperial College London and Chief Scientific Officer of Preemptive Health at the largest global venture incubator – Flagship Pioneering, which generated Moderna. He co-founded the company Oxford Medical Products. He completed a PhD in computational physiology and metabolic surgery at Imperial College London where he was also Chief Scientific Adviser at the Institute of Global Health Innovation, this was followed by an MBA with distinction at Warwick Business School.

Dr. Ahmad Nabeel (Committee Member)

Distinguished Researcher and Physician, St Mary's Hospital -
Imperial College London
Founder and CEO, Gulf Medical Technologies
Kuwait and United Kingdom



Ahmad Nabeel is a distinguished researcher and physician at St Mary's Hospital, part of Imperial College London, where he is also pursuing a PhD in the Department of Surgery and Cancer. With a master's degree in surgical innovation from Imperial (2nd top university in the world - QS ranking 2025), and a passion for integrating artificial intelligence into healthcare, his notable invention, the Klens surgical vision system, has the potential to transform surgical safety and efficiency. As a judge on "Stars of Science," Dr. Nabeel evaluates and nurtures innovations across various domains, fostering the development of novel digital solutions. His recognition includes the Innovators Under 35 award by MIT Technology Review and several international accolades. An advocate for educational and technological progress, Dr. Nabeel's contributions are part of Kuwait's official school curriculum, promoting knowledge in medical science and innovation. As an ambassador for Kuwait Vision 2035, he advocates for the advancement of national technologies. His work and perspectives have been featured in many international and scientific media, including Bloomberg's "Advancements with Ted Danson." Dr. Nabeel's commitment extends to public health initiatives, exemplified by his development of the HealthPass contact-tracing app during the COVID-19 pandemic.

Dr. Susan Jenkins Sumner (Committee Member)

Professor of Nutrition and Pharmacology
University of North Carolina at Chapel Hill
United States



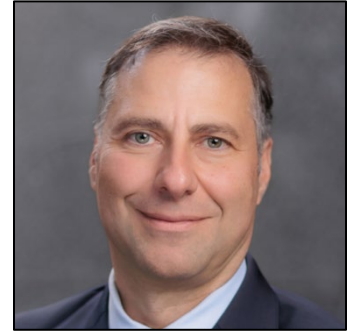
Susan Sumner is a professor in the departments of nutrition and pharmacology at the University of North Carolina at Chapel Hill, USA. Her research includes evaluating genetic, molecular, and environmental determinants of health to reveal biomarkers for the early detection and diagnosis of disease, to monitor treatment and intervention, and to inform the development of intervention (nutritional, pharmacological, exposure reduction) strategies. Dr. Sumner's research activities in precision health include domain areas of maternal and child health, liver and kidney disease, addiction, cancer, osteoarthritis, and aging. She is the PI of the NIH Common Fund Metabolomics and Clinical Assay Center for the Nutrition for Precision Health study, a PI in the NIEHS Human Health Exposure Analysis Resource program and holds R-level grants on biomarkers of cardiovascular disease, and mechanisms of ALDH1L1 polymorphisms. Dr. Sumner earned a Ph.D. in Chemistry at North Carolina State University and conducted postdoctoral research at NHLBI/NIH.

Speakers and Moderators

Dr. Vaughan Turekian

Executive Director

Office of International Networks, Cooperation, and Security
The National Academies of Sciences, Engineering, and Medicine
United States



Vaughan Turekian is the executive director of the Office of International Networks, Cooperation, and Security at the National Academies. Before joining the Academies, he served as the science and technology adviser to the U.S. secretary of state. In this capacity, he advised the secretary of state and other senior State Department officials on emerging science, technology, and health matters affecting the foreign policy of the United States. He is co-chair of the 10-member group advising the U.N. secretary general on science, technology, and innovation to advance the achievement of Sustainable Development Goals. He's affiliated with Georgetown University School of Foreign Service and University College London

Dr. Dalal Najib

Senior Director

Office of International Networks, Cooperation, and Security
The National Academies of Sciences, Engineering, and Medicine
United States



Dalal Najib is a senior director at the Office of International Networks, Cooperation, and Security of the U.S. National Academies of Sciences, Engineering and Medicine. Dr. Najib manages the Arab-American and US-Africa Frontiers programs. She has worked for nearly 10 years on the USAID-funded Partnerships for Enhanced Engagement in Research (PEER) program where she managed the sub-Saharan Africa, Middle East and the Central Asia regions. She is the principal investigator of multiple awards from various agencies, including NSF (6), USAID, NASA and DOD. Dr. Najib first joined the National Academies as a Mirzayan Science and Technology policy fellow at the Aeronautics and Space Engineering Board (ASEB). She holds a PhD in Climate and Space Sciences and Engineering and a master's degree in public policy (MPP) from University of Michigan. Prior to that, she received her undergraduate degree in aerospace and aeronautical engineering from Supaero (Toulouse, France).

Dr. Abrar Almoosa

Director, Research Capacity Building
Research and Technology Directorate
Kuwait Foundation for the Advancement of Sciences
Kuwait



Abrar Almoosa is an accomplished leader with over two decades of experience in education, research strategy, and organizational development. She currently serves as the director for Research Capacity Building at the Kuwait Foundation for the Advancement of Sciences (KFAS), where she leads high-impact initiatives aimed at nurturing scientific research community.

Her career spans leadership roles in science education reform, digital transformation, international partnerships, and public engagement with science. She has held senior positions at KFAS, including Acting Director of Scientific Culture, Interim CEO of KFAS Academy, and consultant for STEAM education programs. Dr. Almoosa has spearheaded major projects and programs in collaboration with global partners such as NASEM, CERN, AAAS, Nature, Google for Education, MIT, UNICEF, and Korea's KISTI. A member of several governing boards and committees, including the KFAS Academy, ASPD and the Sabah Al Ahmad Center for Giftedness and Creativity and a former committee member in the Ministry of Higher Education GPA committee. Dr. Almoosa plays a key role in advancing innovation ecosystem. Recognized among Kuwait's 100 most effective figures by the Amiri Diwan in 2021, Dr. Almoosa continues to lead with a vision for inclusive, science-based progress and capacity-building.

Sheikha Al-Zain Al-Sabah

Ambassador of the State of Kuwait to the United States of America
Kuwait and United States



Sheikha Al-Zain Al-Sabah was appointed Ambassador to the United States on March 12, 2023, by His Highness the Amir of the State of Kuwait, Sheikh Nawaf Al-Ahmad Al-Jaber Al-Sabah. She is the first woman to serve in this role. She presented her credentials to President Joseph R. Biden on April 19, 2023.

A pioneering social entrepreneur, Shkh. Al-Zain's brings with her an extensive background in the fields of international media, advocacy, policy building, and youth development. Throughout her career, in both the private and public sectors, Shkh. Al-Zain has been a strong advocate for inclusion and diversity in the fields of business and media, making it her mission to create havens for MENA media entrepreneurs and regional storytellers to congregate, collaborate, and help spread messages of peace and plurality in all their undertakings.

As former Chairperson and CEO of National Creative Industries Group (NCIG), an award-winning company she founded to produce impact-driven content, Shkh. Al-Zain oversaw the completion of the company's world class multi-media studio campus, the largest privately held facility of its kind in the region, and hub for a number of acclaimed regional media productions.

A two-time recipient of the “Leadership Medal for Excellence” in the field of Youth Service, granted by His Majesty King Hamad bin Isa Al-Khalifa, and in the field of Public Service, Shkh. Al-Zain is also a recipient of the Arab Woman Award for “Inspirational Woman of the Year 2015”, the United Arab Media Council’s 2017 “Haithem Media Award”, the Distinguished Alumni Award for “Service to Profession” from Boston University, and the Leaders Middle East “Power Women of Arabia” Award. An MELI fellow at the Aspen Institute, Shkh Al-Zain holds a B.S. in Journalism from Boston University and an M.F.A. from the University of Southern California’s School of Cinematic Arts.

Dr. Bruce R. Korf

Distinguished Professor Emeritus

Department of Genetics

University of Alabama at Birmingham Heersink School of Medicine
United States



Bruce Korf is the former Chair of the Department of Genetics, Associate Dean for Genomic Medicine, UAB Heersink School of Medicine; Chief Genomics Officer, UAB Medicine, and Wayne H. and Sara Crews Finley Endowed Chair in Medical Genetics. He is currently Distinguished Professor Emeritus of Genetics. Dr. Korf is past president of the Association of Professors of Human and Medical Genetics, past president of the American College of Medical Genetics and Genomics, and past president of the ACMG Foundation for Genetic and Genomic Medicine. He has served on the Board of Scientific Counselors of the National Cancer Institute and the National Human Genome Research Institute at the NIH and is currently a member of the National Advisory Council for Human Genome Research. His major research interests are genomic medicine and the natural history, genetics, and treatment of neurofibromatosis. He served as principal investigator of the Department of Defense funded Neurofibromatosis Clinical Trials Consortium, and as co-PI of the Alabama Genomic Health Initiative. He is the contact PI for the All of Us Southern Network and the UAB Undiagnosed Diseases Program, part of the NIH Undiagnosed Diseases Network. He is co-author of Human Genetics and Genomics (medical student textbook, now in fourth edition), co-editor Emery and Rimoin’s Principles and Practice of Medical Genetics, and editor-in-chief of the American Journal of Human Genetics.

Dr. Barrak Alahmad

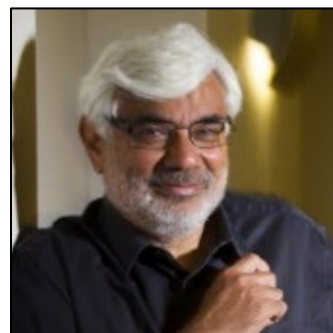
Director of Occupational Health and Climate Change Program at
Harvard T.H. Chan School of Public Health
Physician at the Directorate of Public Health, Kuwait Ministry of
Health
Kuwait and United States



Barrak Alahmad is a Senior Research Scientist and the Program Director of Occupational Health and Climate Change Program at the Department of Environmental Health at Harvard T.H. Chan School of Public Health. He holds a medical degree from the University of Liverpool, United Kingdom, a master's in public health from the John Hopkins Bloomberg School of Public Health, and a doctorate in population health sciences from the Harvard T.H. Chan School of Public Health. Barrak studies climate change and health in the Middle East, specifically the adverse impacts of dust storms and extreme temperatures on vulnerable populations like migrant workers. His work has been highlighted by professional health organizations, including the World Health Organization and the American Heart Association, and numerous media outlets, including *The BBC*, *CNN*, *The New York Times*, and *The Guardian* among others. Barrak received multiple recognition awards from the Boston Congress of Public Health, the International Society of Environmental Epidemiology (ISEE), and recently in 2025 from the American Association for the Advancement of Science (AAAS) Board-Council who honored Alahmad by recognizing him for excellence in communicating science with the general public around issues of migration, workers, extreme heat, and health in Kuwait.

Dr. Shankar Subramaniam

Distinguished Professor and Endowed Chair in Bioengineering and
Systems Biology
University of California, San Diego
United States



Shankar Subramaniam is a Distinguished Professor of Bioengineering, Computer Science and Engineering, Cellular and Molecular Medicine, Computer Science and Engineering and Nano Engineering. He was the Chair of the Bioengineering Department at the University of California at San Diego (2008-13). He holds the inaugural Joan and Irwin Jacobs Endowed Chair in Bioengineering and Systems Biology. He was the Founding Director of the Bioinformatics Graduate Program at the University of California at San Diego. Prior to moving to UC San Diego, Dr. Subramaniam was a Professor of Biophysics, Biochemistry, Molecular and Integrative Physiology, Chemical Engineering and Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign (UIUC).

In 2023, he was elected as a Fellow of IEEE. In 2020 he was elected as a Fellow of IAMBE and in 2013 he was elected as a Fellow of AAAS. In 2002 he received the Genome Technology All Star Award. He is a fellow of the AIMBE and is a recipient of Smithsonian Foundation and

Association of Laboratory Automation Awards and his research work is described below. In 2019 he was elected as the diamond jubilee distinguished alumni by the Indian Institute of Technology Kanpur. In 2008 he was awarded the Faculty Excellence in Research Award at the University of California at San Diego. In 2011 he was appointed as a Distinguished Scientist at the San Diego Supercomputer Center. He is currently an overseas advisor for the Department of Biotechnology of the Government of India. In 2012, he was elected as the Chair of the College of Fellows of AIMBE. He also serves on the Scientific Advisory Board of Janssen Pharmaceuticals (the research arm of Johnson and Johnson). He was a pioneer in bioinformatics with his development of the Biology Workbench, the first of its kind in web-based infrastructures. He has fostered training and research in systems biology and bioinformatics at the national level, serving on the NIH Director's Advisory Committee on Bioinformatics. His major research efforts focus on cancer and neurodegenerative disorders. In addition to inventing new methods for analysis of complex systems, he pioneered a novel technology for RNA sequencing with the smallest quantities of RNA leading to our ability to analyze human tissues at the microscale. His contributions to models of human disease are wide and profound and have strong implications for precision and personalized systems medicine.

Dr. Folami Ideraabdullah

Associate Professor of Genetics and Nutrition
University of North Carolina at Chapel Hill
United States



Folami Ideraabdullah is a tenured Associate Professor of Genetics and Nutrition. She holds a joint appointment in the School of Medicine and Gillings School of Public Health at the University of North Carolina at Chapel Hill. Her laboratory specializes in gene-environment interactions, leveraging genetically diverse mouse strains to more effectively model human diversity and study interindividual differences in nutrient needs. Her research primarily focuses on nutrient needs during development and how exposures during this important stage of life program susceptibility to disease across the lifespan. Her laboratory's work has been instrumental in defining new roles for maternal vitamin D in programming the offspring epigenome (DNA methylome), transcriptome, metabolome, and microbiome as it relates to offspring metabolic and reproductive health. Her work has also demonstrated the vital role of genetic background in driving susceptibility to these outcomes, with emerging evidence implicating a role for interindividual genetic differences in vitamin D metabolism. Additional contributions to the field of genetics, nutrition, and environmental health sciences include serving as a Board Member for the Genetics Society of America (2021-2023), the US DOHAD Society and Epigenetics (2024-present). She also leads an innovative genomics training program (UNC EDGE genomics) to improve undergraduate access to genomics research training opportunities.

Dr. Lida Chatzi

Professor of Population and Public Health Sciences
Director of Center on Translational Exposomics Research
University of Southern California
United States



Lida Chatzi is a physician, environmental epidemiologist, and Professor of Population and Public Health Sciences in the Division of Environmental Health at the University of Southern California (USC). She has over 20 years of experience in environmental health research with a strong track record of productivity in multidisciplinary, translational science. Her work focuses on the effects of environmental chemical exposures on human health by integrating data from epidemiologic cohorts and experimental models. Dr. Chatzi serves as a Director of the USC Center for Translational Research on Environmental Health (USC-R-TEN), Director of the NIEHS-funded Southern California Superfund Research Program for PFAS Assessment, Remediation, and Prevention (ShARP), and Deputy Director of the NIEHS-funded P30 Southern California Environmental Health Sciences Center (SCEHSC). Through these leadership roles, she directs teams focused on bench-to-population science, community-engaged, solution-oriented research, and transdisciplinary career development. Her research program is dedicated to understanding how environmental pollutants- particularly endocrine-disrupting chemicals such as PFAS- influence metabolic health outcomes across the life course. Her studies examine links between chemical exposures and obesity, type 2 diabetes, insulin resistance, and liver disease, with a strong focus on vulnerable populations. Dr. Chatzi leads several large, multi-center studies in Southern California and has established transatlantic collaborations to leverage intellectual resources and population cohorts in both the U.S. and Europe. She is principal investigator on multiple NIH/NIEHS and EU-funded research initiatives aimed at advancing precision environmental health through integrative exposomics and multi-omics approaches.

Dr. Vasilis Vasiliou

Department Chair
Professor of Epidemiology and Department Chair of Environmental Health Sciences
Yale School of Public Health
United States



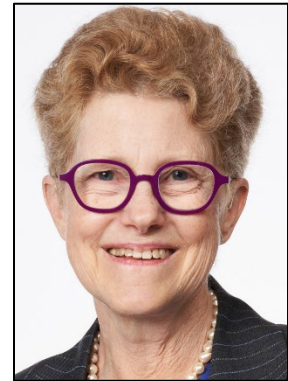
Vasilis Vasiliou is the Susan Dwight Bliss Professor of Epidemiology and Chair of the Department of Environmental Health Sciences (EHS) at Yale School of Public Health, with additional professorships at the Yale Schools of the Environment and Medicine. An internationally recognized leader in EHS, he has pioneered research integrating exposomics, metabolomics, and tissue image mass spectrometry to investigate the impact of environmental exposures on human health. His work focuses on the Human Exposome, employing cutting-edge technologies and deep learning to decipher the interplay between genetic and environmental factors, identify biomarkers, and develop public

health interventions. To advance exposome research, Dr. Vasiliou is establishing an International Translational Exposome Network, a global initiative to accelerate translations exposomics and precision environmental health. At Yale, he directs the NIEHS-funded Yale Superfund Research Center and the NIAAA-funded R24 Resource Center for Metabolomics, while also co-leading NIH-funded training programs. Through his leadership, he is committed to uniting the global scientific community to advance precision environmental health and improve public health through a deeper understanding of the exposome.

Dr. Ellen Wright Clayton

Professor of Law, Health Policy, and Pediatrics
Vanderbilt University Medical Center
United States

Ellen Wright Clayton is the Craig-Weaver Professor of Pediatrics, Professor of Health Policy, and Co-Founder of the Center for Biomedical Ethics and Society at Vanderbilt University Medical Center and Professor of Law in Vanderbilt Law School. She is an internationally known expert in research ethics and data privacy in genomics and artificial intelligence.



Dr. Joshua Sharfstein

Distinguished Professor of the Practice in Health Policy and Management
Vice Dean for Public Health Practice and Community Engagement
Johns Hopkins Bloomberg School of Public Health
United States

Joshua M. Sharfstein is Distinguished Professor of the Practice in Health Policy and Management at the Johns Hopkins Bloomberg School of Public Health, where he also serves as Vice Dean for Public Health Practice and Community Engagement and as Director of the Bloomberg American Health Initiative. A pediatrician by training, he is a former health commissioner of Baltimore, Principal Deputy Commissioner of the U.S. Food and Drug Administration, and Secretary of the Maryland Department of Health and Mental Hygiene. He is an elected member of the National Academy of Medicine and the National Academy of Public Administration. He is the author of *The Public Health Crisis Survival Guide: Leadership and Management in Trying Times*, published in 2018, and the co-author of *The Opioid Epidemic: What Everyone Needs to Know*, published in 2019, both from Oxford University Press. He lives in Baltimore, Maryland.



Dr. Hessa Al Kandari

Director of the Health Studies and Research Directorate,
Kuwait Ministry of Health,
Head of the Population Health Department, Dasman Diabetes
Institute
Kuwait



Hessa Al Kandari is a Pediatric Endocrinologist with interest in research. She currently leads national projects National population Health survey, the Kuwait National Diabetes Registry and monogenic diabetes. In addition to her clinical and research roles, she serves as the Director of Health Studies and Research at Ministry of Health and Head of the Department of Population Health at Dasman Diabetes Institute. She also holds the position of Vice President of the Kuwait Diabetes Society.

Dr. Khalid Fakhro

Chief Research Officer and Director of Precision Medicine Program
Sidra Medicine
Qatar



Khalid A. Fakhro is the Chief Research Officer at Sidra Medicine and the Director of the healthcare facility's Precision Medicine program. Prof. Fakhro joined Sidra Medicine as a Principal Investigator in July 2014 and became Director of the Human Genetics Department, where he built a robust genomic medicine research pipeline for the hospital. In 2018, he became the inaugural Director of Precision Medicine at Sidra, leading an ambitious program where research in genomics and personalized medicine is embedded in the heart of Sidra Medicine's academic medical enterprise. Before joining Sidra Medicine, Prof. Fakhro was part of the Department of Genetic Medicine at Weill-Cornell Medicine in Qatar. Prof. Fakhro graduated with honors from the University of Chicago (USA), majoring in Biological Sciences with a specialization in Cellular Biology and Molecular Genetics. He later completed his PhD in Human Genetics at Yale University (USA), where he was part of the highly selective HHMI Translational Medicine Scholars program, designed to train basic scientists to take discoveries from the bench to the bedside. He holds adjunct faculty appointments at both Weill-Cornell Medicine and Hamad bin Khalifa University, where he teaches and mentors the next generation of master's and Ph.D. students in human genetics and genomic medicine.

Ms. Shaima Alasiri

Legal Affairs Director
Kuwait Authority for Medical Responsibility
Kuwait



Shaima Alasiri is an accomplished legal professional with extensive expertise in private and international law. She holds a master's degree in Private Law from Kuwait University, and a bachelor's degree in law from the same university. Shaima has furthered her legal education with verified certifications including courses on International Law in Action from Leiden University and the American Constitution from Yale University. Currently, Shaima serves as the Legal Affairs Manager at the Authority of Medical Responsibility. She's also a head of the Technical Investigation Committee within the same organization, overseeing critical investigations. Her teaching experience includes serving as a lecturer in administrative Law in addition to private law.

Dr. Mary Majumder

Professor of Medical Ethics and Health Policy
Baylor College of Medicine
United States



Mary Anderlik Majumder is the Dalton Tomlin Professor of Medical Ethics and Health Policy in the Center for Medical Ethics and Health Policy at Baylor College of Medicine, Houston, Texas. Her research focuses on the ethical, legal, and social implications of new genomic and other cutting-edge technologies, and ethical and policy questions related to problems of cost, quality, and access in health care.

Dr. Jamaji Nwanaji-Enwerem

Physician & Professor
University of Pennsylvania
United States



Jamaji Nwanaji-Enwerem is an emergency medicine physician, renowned researcher, and policy expert with a commitment to improving healthcare across the world. Dr. Nwanaji-Enwerem is a Presidential Assistant Professor of Emergency Medicine at the University of Pennsylvania and also serves as the Executive Director of Elnd, a community environmental education/improvement organization. Dr. Nwanaji-Enwerem graduated Phi Beta Kappa, Valedictorian from Morehouse College. He earned his PhD in the Harvard University Biological Sciences in Public Health program, his Master's in Public Policy (MPP) from Harvard

Kennedy School, and his MD from Harvard Medical School. He completed a postdoctoral research fellowship in Environmental Health Sciences at the University of California, Berkeley School of Public Health. He completed his residency in emergency medicine at Emory University School of Medicine and served as chief resident. With extensive expertise in medicine, public health policy, and global health research, Dr. Nwanji-Enwerem has contributed to groundbreaking work in environmental health and health systems strengthening. As an advocate for health equity, he collaborates with international organizations and governments to drive impactful health solutions. Dr. Nwanji-Enwerem has served as a member of the White House Environmental Justice Advisory Council, the White House Office of Public Engagement Roundtables on Clinical Innovation and Health Equity, the World Health Organization technical advisory group for the occupational burden of disease estimation, and the International Society of Exposure Science Board of Directors. His efforts have earned him prestigious awards, including recognition from the National Institutes of Health (NIH). Dr. Nwanji-Enwerem is also deeply committed to mentorship, dedicated to guiding and inspiring the next generation of health leaders.

Ms. Sara Pirzadeh-Miller

President, National Society of Genetic Counselors
Director, Cancer Genetics Program and Assistant Professor, School of Health Professions
Simmons Cancer Center, University of Texas Southwestern Medical Center
United States



Sara Pirzadeh-Miller is the Director of Cancer Genetics, Assistant Professor and Certified Genetic Counselor at UT Southwestern Medical Center in Dallas/Ft. Worth, TX. She is the 2025 President of the National Society of Genetic Counselors (NSGC). She leads 23 genetic counselors that provide hereditary cancer risk assessment in 5 hospital systems in North Texas. Her research interests include genetic counseling workforce efficiency, service delivery models and population screening.

Dr. Ahmad Al-Serri

Associate Professor of Genetics and Behavioral Science
Kuwait University
Kuwait



Ahmad Al-Serri is an associate professor of genetics and behavioral science at the Faculty of Medicine of Kuwait University. He completed his academic training at the University of Leeds and Newcastle University in the United Kingdom. Dr. Al-Serri has published extensively in peer-reviewed journals, focusing on genetic predispositions to obesity and the role of genetic variations in weight loss outcomes.

He recently earned a master's degree in behavioral science from the Department of Psychology and Behavioral Sciences at the London School of Economics and Political Science. His current research explores the intersection of genetics and behavioral science, particularly the impact of sharing genetic information with individuals affected by obesity.

Ms. Shenela Lakhani

Assistant Professor and Director, Master of Science in Genetic Counseling Program, Weill Cornell Graduate School of Medical Sciences

Director, Genetic Counseling & Clinical Engagement
Center for Neurogenetics, Weill Cornell Medicine
United States



Shenela Lakhani is Assistant Professor of Research in Neuroscience, and Director of Master of Science in Genetic Counseling Program at Weill Cornell Graduate School of Medical Sciences. Over the past 15 years, Shenela has demonstrated a deep commitment to teaching and mentoring the next generation of genetic counselors. She earned her master's degree in genetic counseling from McGill University in Montreal, Canada, and is certified by both the American Board of Genetic Counseling and the Canadian Board of Genetic Counselling. Driven by a passion for global medicine, Shenela became the first certified genetic counselor in Qatar, where she played a pivotal role in establishing the profession across the Middle East, integrating it into both clinical and academic settings. In 2015, she was recruited to Weill Cornell Medicine in New York to help launch the Center for Neurogenetics within the Brain and Mind Research Institute, where she worked to bridge clinical care with translational research. Shenela's dedication to education ultimately led her to found Weill Cornell's Master of Science in Genetic Counseling program, with the goal of preparing future leaders in genomic medicine. As Founding Director, she has overseen all aspects of program development and implementation, including shaping the program's vision, designing the curriculum, and building clinical and academic partnerships. Beyond her institutional role, Shenela continues to advance the field at a national level. She was recently elected Director-at-Large on the Executive Board of the Genetic Counselor Educators Association (GCEA).

Dr. Naqi Khan

Chief Medical Information Officer
Global Healthcare Solutions, Amazon Web Services
United States



Naqi Khan currently serves as CMIO, Health Data & AI, Global Healthcare Solutions at Amazon Web Services (AWS). Previously, he was the Principal Program Lead for Health AI at Microsoft Health & Life Sciences, where he launched real-world evidence and biomedical natural language processing platforms. Prior to Microsoft, Dr. Khan led clinical AI

projects at Kaiser Permanente (KP) Southern California, playing a key role in developing KP's machine learning strategy for virtualized care and clinical charting. Earlier in his career, he directed company-wide interoperability product development at MCG Health, part of Hearst Health. Dr. Khan completed his Emergency Medicine residency at New York Methodist, holds an M.D. from Stony Brook University's School of Medicine, an M.S. in Biomedical Informatics from Vanderbilt University, and a B.S. in Biology and Information Science from Cornell University. He is also a Fellow of the American Medical Informatics Association.

Mr. Michael Zager

Chief Executive Officer
Cirro Bio
United States



Michael Zager is the CEO of Cirro Bio, a cloud platform that removes technical and financial barriers to biomedical collaboration by delivering secure, scalable analysis and intuitive scientific visualizations—enabling reproducible research across institutions.

He previously founded and directed the Data Core at Fred Hutchinson Cancer Center and led the Brotman Baty Visualization Center. Earlier, he spent 15+ years building technology for Fortune 100 companies, startups, and global entertainment brands, experience he now applies to the technical, operational, and strategic challenges of modern research.

Dr. Dari Alhuwail

Associate Professor of Information Sciences
Kuwait University
Kuwait



Dari Alhuwail is an Associate Professor in the Information Science Department at the College of Life Sciences, Kuwait University, and an Adjunct Faculty member at the University of Dundee's College of Medicine. He serves as a Board Member of the Sabah Al Ahmad Center for Giftedness and Creativity and Advisor to the Minister of State for Communication Affairs. With over 15 years of experience at the intersection of health, technology, and policy, Dr. Alhuwail brings deep expertise in digital data, AI, and data governance. He is a Fellow of the International Academy of Health Sciences Informatics and the American Medical Informatics Association, and a co-founder of the Kuwait Health Informatics Network. At Dasman Diabetes Institute, he contributes as a Health Informatics Consultant and Data Security Officer. Dr. Alhuwail holds a Ph.D. in Information Systems with a specialization in Health Informatics from the University of Maryland, Baltimore County, and is a recipient of the prestigious Jaber Al-Ahmad Prize for Young Researchers.

Dr. Hamad Ali

Associate Professor of Genomic Medicine
Kuwait University and Dasman Diabetes Institute
Kuwait



Hamad Ali is an Associate Professor of Genomic Medicine at Kuwait University and a researcher at the Dasman Diabetes Institute. He also serves in a strategic role within Kuwait's Ministry of Health. His work focuses on advancing the diagnosis, treatment, and overall understanding of Autosomal Dominant Polycystic Kidney Disease (ADPKD) through precision medicine approaches. Dr. Ali played a pivotal role in establishing Kuwait's first national ADPKD clinic—a multidisciplinary center that integrates nephrology, genetic counseling, radiology, and pharmacology to deliver individualized care. His research combines clinical data with genomic, transcriptomic, and biomarker analysis to improve risk stratification, guide treatment decisions such as Tolvaptan eligibility, and explore novel therapeutic strategies, including the use of GLP-1 receptor agonists in ADPKD. With a strong commitment to translational impact, Dr. Ali is also leading regional efforts to expand access to genetic testing and promote early diagnosis of kidney diseases. He maintains long-standing international collaborations, most notably with the Mayo Clinic, where he served as a visiting scientist in the Division of Nephrology and Hypertension during the past academic year.

Dr. Waddah Al-Refaie

Arnold W. Lempka Endowed Chair and Professor in Surgery
Creighton University and CHI Health System
United States



Waddah B. Al-Refaie, MD, FACS serves as the Chair of Surgery at Creighton University School of Medicine and the Chair of Surgery at CHI Health System in Omaha, Nebraska. He is a fellowship-trained surgical oncologist with expertise in GI oncology—namely stomach cancer, soft tissue sarcoma, and melanoma.

Al-Refaie obtained his medical degree from the Royal College of Surgeons in Ireland in 1997. Following an internship at The Amiri Hospital in his native country of Kuwait, he completed a general surgery residency at the University of California San Diego in 2004 and a fellowship at The University of Texas M. D. Anderson Cancer Center in 2006. Al Refaie previously served as the Co-Director of the University of Minnesota Surgical Outcomes Research Center. He then served as The John S. Dillon Chair of Surgical Oncology and Regional Chief of Surgical Oncology, Surgeon in Chief of The Georgetown Lombardi Comprehensive Cancer Center, and Vice Chair for Research from 2012 to 2023.

Al-Refaie currently leads the Department Surgery at Creighton University School of Medicine as Chair of Surgery for the CHI Health System in Omaha, Nebraska. As part of his role, he oversees the clinical, academic, and educational missions of the cardiac, thoracic, vascular, trauma, oncology, general, breast, and plastic and reconstructive surgery program. He provides strategic and operational oversight for research and educational initiatives within the department of surgery, expanding both the research portfolio, and the general surgery residency program.

Al-Refaie's academic work centers on cancer care delivery, health policy, and health disparities with his most recent research focusing on rural populations. He has authored 130 peer-reviewed manuscripts and oversees an extra-mural research portfolio of over \$5.5M. He serves as Co-PI on a \$3M NIH R01 grant leveraging artificial intelligence in a randomized clinical trial after cancer surgery among minoritized and rural communities. Recently, he received \$2.3M research program grant from The State of Nebraska to develop a robust research agenda aimed at advancing access to and quality of rural surgical cancer care.

Al-Refaie is the recipient of several prestigious awards including the Amir of Kuwait medal in 1990, Inaugural Gulf Cooperation Council Merit of Distinction Award, Minister of Higher Education Awards, UCSD Chair of Surgery Awards, MD Anderson Advanced Practitioner Awards, and The American Society of Clinical Oncology Award. He is a member of several prestigious surgical and cancer societies.

Dr. Sulaiman Almazeedi

Chief of Surgery, Program Director
Jaber Al-Ahmad Hospital, Kuwaiti Board of General Surgery
Kuwait



Sulaiman Almazeedi is a Consultant General, Bariatric and Colorectal Surgeon. He is the Chief of Surgery at Jaber Al-Ahmad Hospital and is the Program Director for the Kuwaiti Board of General Surgery. He received his M.B.B.Ch. from the Faculty of Medicine at Kuwait University and is a graduate of the Kuwait Board of General Surgery. He then went on to obtain two fellowships from the UK, one in Bariatric Surgery at Chelsea and Westminster Hospital London, and another in Colorectal Surgery at The Royal Marsden Hospital in London. He also holds a Master's degree in Clinical Service Operations from Harvard Medical School.

Dr. Lucas Berenbrok

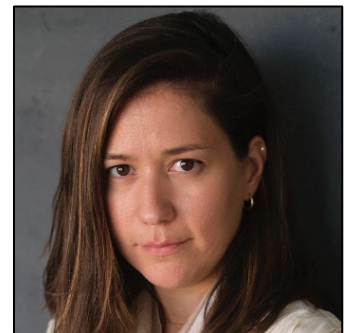
Associate Professor and Vice Chair of Education for Pharmacy & Therapeutics
University of Pittsburgh
United States



Lucas Berenbrok is a pharmacist educator and researcher in Pittsburgh, Pennsylvania. He co-leads the implementation of outpatient pharmacogenomic services at UPMC. This unique service, called Primary Care Precision Medicine, provides pharmacogenetic and genetic testing to patients in local and surrounding areas. With his colleagues at the University of Pittsburgh, Berenbrok co-created Test2Learn, a pharmacogenomics certificate program for pharmacists.

Dr. Anna Maria Pappa

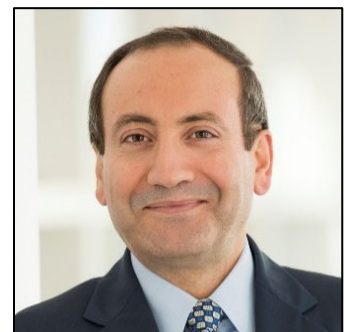
Assistant Professor of Biomedical Engineering
Khalifa University
United Arab Emirates



Anna Maria Pappa is an Assistant Professor at the Department of Biomedical Engineering at Khalifa University and a visiting scholar at Cambridge University and at the Foundation for Research and Technology- Hellas. Prior to this, she was the Oppenheimer Research fellow at Cambridge University and the Maundslay-Butler Fellow at Pembroke College. She received her PhD in Bioelectronics in 2017 from Ecole des Mines de St Etienne. Anna-Maria is currently leading the bioelectronics and biosystems on chip (LAB-BBC) group focusing on developing sustainable sensors with applications in healthcare and environmental science. Anna-Maria has received multiple awards for her research including the L'Oreal-UNESCO Women in Science award, being listed in the Innovators under 35 MIT technology review and several awards in the area on entrepreneurship and innovation.

Dr. Raed Dweik

Chief of the Integrated Hospital Care Institute, Cleveland Clinic
President, American Thoracic Society
United States



Raed Dweik is the E Tom and Erica Meyer endowed Professor, Chair of Pulmonary and Critical Care and Chief of the Integrated Hospital Care Institute (IHI) at Cleveland Clinic. As the Chief of IHI, Dr. Dweik leads over 4,000 caregivers and a faculty of over 1,200 physicians and scientists in Ohio, Florida, London, and Abu-Dhabi. IHI is a unique institute that

does not exist elsewhere in healthcare as it brings together hospital-based services including the departments of Emergency Services, Hospital Medicine, Pulmonary-Critical Care, Infectious Disease, and Anesthesiology. The Institute also has 2 Centers (Critical Care and Perioperative Medicine). Dr. Dweik is board certified in internal medicine, pulmonary disease, and critical care medicine. He is Professor of Medicine in the Lerner College of Medicine and has a joint appointment in the Lerner Research Institute with continuous funding from the National Institutes of Health (NIH) since 2002. He has published more than 300 peer reviewed manuscripts and book chapters and serves on several journal editorial boards and review panels for the NIH, American Thoracic Society, and American Heart Association, among others. Over the years, his research built on multiple collaborations that extended beyond medicine and included scientists, engineers and chemists at the National Aeronautics and Space Administration (NASA), Princeton University, Case Western Reserve University, and the Ohio State University.

Dr. Dweik is a Fellow of the American College of Physicians (FACP), the Royal College of Physicians of Canada (FRCPC), the American College of Chest Physicians (FCCP), the Society of Critical Care Medicine (FCCM), the American Heart Association (FAHA), and the American Thoracic Society (ATSF). He is currently the President of ATS. Dr. Dweik earned his medical degree from the University of Jordan before moving to the United States. He earned an MBA from Case Western Reserve University.

Dr. Abeer Al Saegh

Head of Cancer Genomics

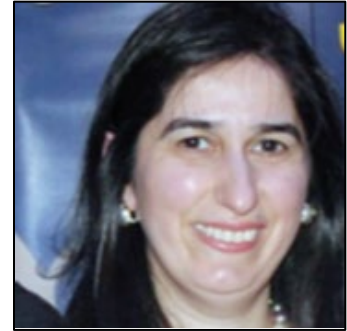
University Medical City Comprehensive Cancer Care and Research
Centre
Oman



Abeer Al Saegh is a renowned Omani Medical Geneticist with a strong background in genetic disorders and familial cancer syndromes. After graduating with an MD from Sultan Qaboos University, where she was recognized for her academic excellence, Dr. Abeer pursued advanced training in Medical Genetics at the University of Calgary, Canada, and the Royal College of Physicians and Surgeons of London. Upon returning to Oman, she established the country's first cancer genetics clinic at Sultan Qaboos University Hospital and subsequently led the Genomics department. Currently, Dr. Abeer serves as the Head of Cancer Genomics at the University Medical City comprehensive cancer care and research center. A dedicated advocate for patients with rare diseases, Dr. Abeer founded and remains an active member of the Oman Society of Genetic Medicine. Her research interests encompass genomic population screening for multifactorial diseases, genomic premarital screening, and the genomics of Autism Spectrum Disorder.

Dr. Ebaa Al Ozairi

Chief Medical Officer
Dasman Diabetes Institute
Kuwait



Ebaa Al Ozairi has completed her intercalated BMSc (hons) in molecular pathology at Dundee University (UK) and graduated from Aberdeen University (UK) for her medical undergraduate studies and post graduated in Diabetes and Endocrinology at Newcastle University (UK). She was awarded the Fulbright fellowship to Harvard Medical School, Boston, USA. Dr Ebaa Al Ozairi holds the American Board for Physician Nutrition Specialist and is a fellow at the American College of Nutrition and completed Rabkin Fellowship in medical Education at Harvard Medical school. She is a reviewer for Lancet Endocrinology, European Journal for Endocrinology, Diabetic Medicine, Obesity, Surgery and frontier in Endocrinology. Dr. Al Ozairi has 4 chapters in International books and has more than 90 peer reviewed publications, with 150 oral presentations in regional and international conferences. Dr Alozairi has won his highness the Amir Gold medal electronic award and the Arab regional award for e-technology for co ... founding the most comprehensive Arabic Diabetes Website. She was the 1st woman to become the president of American Association of Clinical Endocrinologist -Gulf Chapter and currently serves as Vice Chair in the World Obesity Federation as first member ever serving from Middle East, and co-chair for International Federation for Surgery Obesity (IFSO), integrated health committee. She and her team won the Diabetes UK educational award for pioneering DAFNE Ramadan, being the pt group outside Europe to win this prestigious award. Dr. AL Ozairi is currently the Chief Medical Officer at Dasman Diabetes Institute and Consultant Diabetes, Endocrinology and Nutrition.

Dr. Aly Azeem Khan

Assistant Professor of Family Medicine and Pathology, University of Chicago
Head of AI and Machine Learning, Chan Zuckerberg Biohub
United States



Aly Azeem Khan is an Assistant Professor of Pathology and Family Medicine at the University of Chicago. He also serves as the Head of AI/ML at the Chan Zuckerberg Biohub Chicago. His research integrates large-scale biological data and advanced computational methods to study immune function, with the goal of improving diagnostics and therapies. Before joining the University of Chicago, Dr. Khan was a research faculty member at the Toyota Technological Institute at Chicago, where he established a computational immunology program and introduced novel approaches for analyzing immune responses using single-cell data. He has also led translational research at Merck, Genentech, Tempus, and 23andMe, broadly applying computational methods to advance precision medicine. At the University of Chicago and the Chan Zuckerberg Biohub Chicago, Dr. Khan leads a multidisciplinary team developing computational models to measure,

map, and modulate inflammation. His work has resulted in numerous publications in leading journals, including Science, Nature Biotechnology, Nature Genetics, Immunity, and Molecular Cell. Dr. Khan earned his Ph.D. in Computational Biology jointly from Cornell University and Memorial Sloan Kettering Cancer Center. His honors include the Chan Zuckerberg Biohub Chicago Investigator Award and the NIH DP2 NIAID New Innovator Award.

Dr. Zaid Almarzooq

Interventional Cardiologist and Director of the Program
Boston Veteran Affairs Healthcare System
United States



Dr. Zaid Almarzooq is a board-certified interventional cardiologist, Instructor of Medicine at Harvard Medical School, and the Director of the Structural Heart Program at the Boston Veteran Affairs Healthcare System. His clinical expertise is in cardiovascular medicine with a special focus on novel techniques in percutaneous coronary interventions and structural heart disease interventions. He is a Fellow of the American College of Cardiology and Fellow of the Society of Cardiovascular Angiography and Interventions. His research focuses on the application of causal inference methods to cardiovascular care and disease. He has received several research grants and awards and has served on several national committees including the American Heart Association Epidemiology and Statistics Committee, American Heart Association / American College of Cardiology Task Force on Performance Indicators, and the American College of Cardiology TVT Research and Publications Committee. He has also served on the editorial board of the American College of Cardiology ACCEL. He completed his medical school at the Royal College of Surgeons in Ireland in 2014, internal medicine residency at NewYork Presbyterian Hospital/Weill Cornell Medicine (New York, NY) in 2017 where he also served as Chief Medical Resident in 2018, and cardiology fellowship at Brigham and Women's Hospital/Harvard Medical School in 2018 serving as Chief Cardiovascular Medicine Fellow in 2019. He also completed the Master's in Public Health Clinical Effectiveness Program at Harvard University in 2021 and Post-doctoral Research Fellowship at the Smith Center for Outcomes Research at Harvard University in 2021. He has held numerous leadership positions incl. serving on the Board of Directors of the National Residency Matching Program. He has been inducted into the Alpha Omega Honor Medical Society and the Gold Humanism Honor Society. He is the recipient of numerous awards, most recently the Richard Gorlin Award for Excellence in Cardiovascular Medicine Research from Mass General Brigham / Harvard Medical School.

Invited Experts

Dr. Sarah Al Youha

Assistant Professor of Surgery
Kuwait University
Kuwait



Sarah Al Youha is an assistant professor at Kuwait University, as well as a plastic surgeon at Royale Hayat Hospital in Kuwait. She has PhD in Medical Sciences (particular focus on wound healing and tissue regeneration) from The University of Manchester in UK. With her dual leadership roles in academia and clinical practice, Dr. Al Youha is distinctly positioned to shape the next generation of plastic surgeons in Kuwait while spearheading patient care innovations.

Dr. Amina Qutub

Associate Professor
University of Texas, San Antonio
United States



Amina Qutub is the Burzik Endowed Professor of Engineering Design, an Associate Professor in Biomedical Engineering at the University of Texas, San Antonio (UTSA), and co-Director of the Center of Precision Medicine and Assistant Director of the MATRIX AI Consortia. She is co-founder of the AI biotech startups PaloBio and LeahAI. Qutub pioneers methods at the interface of computer science, biology, and engineering to improve human health. Qutub co-leads the iRemedyACT project in partnerships with seven hospitals, where her team is developing and testing AI clinical decision-making tools to optimize care for trauma and brain injury patients. She also directs the Quantu Project, a nationwide study to optimize brain health over a lifespan using an integration of biosensing technology, AI, and neurogenesis bioassays. Qutub is an AIMBE Fellow and NSF CAREER Awardee. She received a B.S. in chemical engineering from Rice University and a Ph.D. in bioengineering from the University of California, Berkeley and University of California, San Francisco, and completed her postdoctoral training as a NIH NRSA Fellow at Johns Hopkins University. She is a member of the National Academies' Standing Committees on Transformative Science and Technology for the Department of Defense and Biotechnology Capabilities & National Security.

Dr. Donna Ryan

Professor Emerita
Pennington Biomedical Research Center
United States



Donna Ryan is Professor Emerita at Pennington Biomedical in Baton Rouge, LA, USA where she lead the obesity and nutrition clinical research programs. She was an Investigator on POUNDS Lost, Look AHEAD, DPP, DASH and many other studies of the health benefits of weight loss by diet, lifestyle intervention and medications. Her personal research studied improving primary care management of obesity. She has been an active member and former President of The Obesity Society (North America) and World Obesity Federation. Dr. Ryan served as Co-Chair of the SELECT Steering Committee and is a member of the Data Safety Monitoring Boards for setmelanotide, retatrutide and CIN-110-112. She has more than 300 publications, is a frequent speaker on obesity and diabetes treatments and remains an active consultant and advisor to companies developing drugs, devices, lifestyle programs and medical approaches to obesity management.

Dr. Katie Meyer

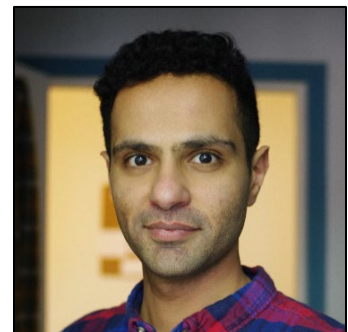
Assistant Professor, Nutrition Department
University of North Carolina, Chapel Hill
United States



Katie Meyer is a nutritional and cardiovascular disease epidemiologist. Her research focuses on diet-related health behaviors and nutritional risk factors for cardiometabolic disease. She is a recent recipient of a Research Scientist Development Award from the National Heart, Lung, and Blood Institute to study the gut microbiome, nutrient metabolites, and cardiovascular disease in the Coronary Artery Risk Development in Young Adults Study.

Dr. Fawaz Alzaid

Senior Scientist, Head of Department
Dasman Diabetes Institute
Kuwait



Fawaz Alzaid is a Senior Scientists and Head of Department at the Dasman Diabetes Institute (Kuwait City, Kuwait); and an Associate Researcher (CRCN), heading a research group at the French National Institute of Health and Medical Research (INSERM, Paris, France). An accomplished investigator in diabetes research, his work focuses on metabolism,

inflammation, and macrophage biology. His team has 2 PhD students, 3 post-docs, 2 technical staff, and 1 scientist. His projects investigate innate immune cell diversity and transcriptional mechanisms of inflammation and energetic adaptation in metabolic disease (diabetes, obesity). His highlights include publications in Nature Medicine, Nature Communications, EMBO Molecular Medicine and Circulation Research on mechanisms of tissue inflammation and complications of diabetes.

Mr. Adil Alaoui

Director, Health IT
Co-Director, Health Informatics and Data Science MS Program
Georgetown University
United States



Adil Alaoui is a Health IT professional with more than 20 years of experience designing, developing, and managing enterprise-level solutions in healthcare delivery, clinical, telemedicine, and bioinformatics research. He is the Co-Director of the Health Informatics and Data Science (HIDS) master's program at Georgetown University. In this role, he is responsible for the capstone program and Advanced Health Informatics courses.

As the Director of Health IT, he oversees the transition of existing solutions to the cloud and handles the design, security, and implementation of complex biomedical informatics systems that manage multi-omics data in cloud environments. He is also the Co-Director of Informatics Shared Resources at Georgetown University and the lead IT strategist for the Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS). Alaoui has led the implementation of research systems for investigators, with a focus on cross-institutional access to electronic health record (EHR) data and building secure information-sharing and disease registries. He served as the lead systems architect for a mobile platform developed for the GWCAM study at the VA, which researched the effectiveness of alternative medicine for veterans with PTSD. His work also includes implementing open-source Clinical Research Data Warehouses that provide advanced analytics and dashboards.

Ms. Julianna Yeung

NAM-HKU Global Health Leadership Fellow
Carers Hong Kong
Hong Kong



Julianna (Juli) Yeung is an accomplished global health professional with over 18 years of experience at the intersection of healthcare and technology. She holds dual master degrees in Public Health (The

University of Hong Kong, HKU) and Bioengineering (University of California, San Diego). Throughout her career, she has implemented responsible AI solutions in clinical systems and developed health technology initiatives. Julianna brings this extensive experience to her board position at Carers Hong Kong, a non-profit organization dedicated to transforming Hong Kong's culture regarding employed caregivers. The organization focuses on reducing stigma and advocating for enhanced support for those caring for the sick. Through the NAM Fellowship training, Ms. Yeung aims to shape equitable AI solutions in global health, learning from past technological revolutions. Drawing on her clinical AI experience, she will address ethical and regulatory challenges while collaborating with NAM experts to craft sustainable policies that translate AI innovations into tangible health improvements.

Dr. Hmoud Alrashidi

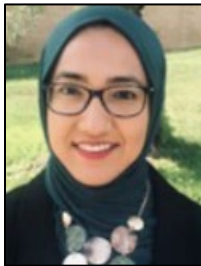
Specialist General Surgery
Jaber Al Ahmad Hospital
Kuwait



Hmoud Alrashidi is General Surgery Specialist at Jaber Al Ahmad Hospital in Kuwait. He earned his Bachelor of Medicine and Surgery from the University of Malta and completed the Kuwaiti Board Certification in General Surgery in 2017. Dr. Alrashidi pursued a fellowship in minimally invasive and bariatric surgery at the Institute of Jacques Perissat in Brazil, where he gained advanced expertise in laparoscopic and metabolic procedures.

Staff

NASEM:



Dr. Komal Syed

Program Officer

Office of International Networks, Cooperation, and Security

The National Academies of Sciences, Engineering, and Medicine



Ms. Lauren Kalinosky

Program Assistant

Office of International Networks, Cooperation, and Security, and
Climate Crossroads

The National Academies of Sciences, Engineering, and Medicine

KFAS:



Dr. Abrar Almoosa

Director, Research Capacity Building

Research and Technology Directorate

Kuwait Foundation for the Advancement of Sciences