

# Medical Countermeasures- Expanding Delivery and Increasing Uptake Through Public-Private Partnerships: A Workshop Series

*Workshop 1 - Public-Private Partnerships for Data-Informed Decision-Making to Distribute, Dispense, and Administer Medical Countermeasures*

## Moderator and Speaker Biographies

OCTOBER 3, 2023

### MODERATOR BIOGRAPHIES



**ALI S. KHAN, M.D., M.P.H. (CHAIR)** is Dean of the College of Public Health at UNMC & a former Assistant Surgeon General with the US Public Health Service. As Dean, his focus is on health system & community-based health transformations. Dr. Khan's career has focused on health security, global health, & emerging infectious diseases. He completed a 23-year career as a senior director at the CDC where he was one of the main architects of their national health security. He continues to actively support global outbreak responses as a member of WHO & GOARN. Dr. Khan is the author of *The Next Pandemic: On the Front Lines Against Humankind's Gravest Dangers*. Dr. Khan got his M.D. degree from SUNY-Downstate, M.P.H. from Emory University, and M.B.A. from the University of Nebraska.



**JOHN HICK, M.D. (PLANNING COMMITTEE MEMBER)** is a faculty emergency physician at Hennepin Healthcare and a Professor of Emergency Medicine at the University of Minnesota. Dr. Hick serves as the deputy medical director for Hennepin County Emergency Medical Services and Medical Director for Emergency Preparedness at HCMC. He is also the Vice-Chair of the Clinical Council for Life Link III helicopter service and medical director for MN TF-1 state US&R team. He served the Minnesota Department of Health as the medical director for the Office of Emergency Preparedness until becoming an Advisor to the Director of OEM at ASPR/HHS where he is the lead editor for the TRACIE healthcare disaster preparedness website. He is the founder and past chair of the Minneapolis/St. Paul Metropolitan Hospital Compact, a 32-hospital mutual aid and planning group active since 2002. He is a national speaker on hospital preparedness issues and has published numerous papers dealing with hospital preparedness for contaminated casualties, personal protective equipment, crisis standards of care, and surge capacity and was honored to serve the Institute of Medicine on their Crisis Standards of Care projects as well as the Forum on Medical and Public Health Preparedness for Disasters and Emergencies. Dr. Hick holds an M.D. from the Mayo Medical School.

## SPEAKER BIOGRAPHIES



**SUZET M. MCKINNEY, Dr.PH., M.P.H., (FORUM CO-CHAIR)** is a public health expert, medical executive, thought leader, strategic thinker and nationally recognized expert in emergency preparedness and response. As Principal and Director of Life Sciences for Sterling Bay, Dr. McKinney oversees relationships with the scientific, academic, corporate, tech, and governmental sectors involved in the life sciences ecosystem. She also leads the strategy to expand Sterling Bay's footprint in life sciences nationwide. She previously served as CEO and Executive Director of the Illinois Medical District, where she managed a 24/7/365 environment that included 560 acres of medical research facilities, labs, a biotech

business incubator, universities, raw land development areas, four hospitals and more than 40 healthcare-related facilities. Within two years of leadership, Dr. McKinney accomplished a financial turnaround of the IMD, successfully retiring more than \$40 million in debt. In 2020, Dr. McKinney was appointed by Illinois Governor JB Pritzker as Operations Lead for the State of Illinois' Alternate Care Facilities, a network of alternate medical locations designed to decompress the hospital system during the COVID-19 pandemic. She worked with the U.S. Army Corps of Engineers and multiple construction, architecture and project management teams to prepare five facilities to open for overflow patient care. Dr. McKinney is also an experienced on-camera expert who has frequently discussed healthcare disparities and racial inequities amplified by the pandemic, climate-related emergencies, biological and chemical threats and natural disasters. She's been featured on CNN, ABC, NBC Nightly News, The Wall Street Journal, Forbes, Crain's Chicago Businesses and The Chicago Tribune. Prior to leading the IMD, Dr. McKinney served as the Deputy Commissioner of the Bureau of Public Health Preparedness and Emergency Response at the Chicago Department of Public Health (CDPH), where she oversaw the emergency preparedness efforts for the Department and coordinated those efforts within the larger spectrum of the City of Chicago's Public Safety activities, in addition to overseeing the Department's Division of Women and Children's Health. She also provided support to the U.S. Department of Defense's Defense Threat Reduction Agency, lending subject matter expertise in biological terrorism preparedness to the country of Poland. Previously, she served as the Sr. Advisor for Public Health and Preparedness at the Tauri Group, where she provided strategic and analytical consulting services to the U.S. Department of Homeland Security's (DHS), BioWatch Program. Her work at DHS included providing creative, responsive, and operationally based problem-solving for public health, emergency management and homeland security issues, specifically chemical and biological early detection systems and the implementation of those systems at the state and local levels.

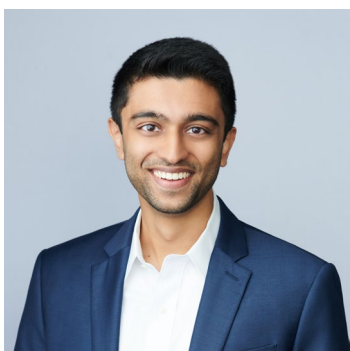


**W. CRAIG VANDERWAGEN, M.D., RADM, USPHS, (FORUM CO-CHAIR)**

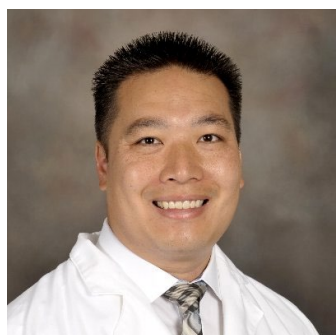
serves as Co-Founder and Director of East West Protection, LLC. Dr. Vanderwagen served 28 years as a uniformed officer in the U.S. Public Health Service, retiring with the rank of Rear Admiral (upper half). He served 25 years in the Indian Health Service. His last assignment was as the Presidentially-appointed and Senate-confirmed Assistant Secretary for Preparedness and Response (ASPR) at the U.S. Department of Health and Human Services. He

also serves as a senior partner with Martin, Blanck and Associates, a professional consulting firm located in Alexandria, Virginia. As the founding ASPR, he implemented new federal legislation that established the ASPR as the principal leader for all federal public health and medical response activities to any deliberate or natural disasters in the U.S. The legislation established a federal role in the development and utilization of human and other material assets in preparedness and response, and systems for deploying and managing these assets in emergency situations. His position also

gave him authority and oversight of the federal effort to develop and support a wide range of medical countermeasures (diagnostics, vaccines, therapeutic drugs and biologics) against chemical, biological, radiological, and nuclear (CBRN) and pandemic influenza threats. This oversight responsibility included scientific discovery, product development, licensure, acquisition, and deployment. Dr. Vanderwagen was responsible for the creation of operational plans to address the 15 national threats (including biological threats such as anthrax, smallpox, and plague, as well as threats from nuclear, radiation, and chemical devices, and natural disasters such as hurricanes and earthquakes) supported by appropriate situational awareness, logistics, planning, training and exercises coordinated through the Secretary's Command Center, an emergency operations center (EOC) linked to all other federal, state, and local command centers. Dr. Vanderwagen received his Doctor of Medicine degree from Michigan State University College of Human Medicine. He completed his residency in family medicine at the University of New Mexico and is Board Certified in Family Practice Medicine. He received his Bachelor's degree from Calvin College.



**HIRSH JAIN** is Head of Public Health and Senior Vice President, Federal at Palantir Technologies. In this role, he oversees the deployment of Palantir's software at HHS, CDC, FDA, ASPR, NIH, and other public health partners. Since 2020, he has led Palantir's work supporting the federal COVID-19 response and the expansion of COVID-19 specific investments to other key public health problems across disease surveillance, clinical research, and supply chain management. He is a published machine learning author, has previously held technology roles at Google, Jane Street, and within the Department of Defense, and graduated from Harvard University with degrees in mathematics & computer science.



**ERIC WEI, M.D., MBA**, serves as Senior Vice President and Chief Quality Officer for NYC Health + Hospitals, the largest municipal safety-net health system in the United States, serving over 1.3 million New Yorkers every year. He is a Professor of Emergency Medicine through the Icahn School of Medicine at Mt. Sinai and Adjunct Professor for the NYU School of Global Public Health. He is the fellowship director for the NYC Health + Hospitals Clinical Leadership Fellowship. He is a practicing Emergency Medicine physician rotating through all 11 Emergency Departments in the system. He serves on the board of MetroPlus Health and as faculty for the Greater New York Hospital Association/United Hospital Fund Clinical Quality Fellowship

Program. Dr. Wei previously served as Interim Chief Executive Officer of NYC Health + Hospitals/Elmhurst in 2020 and NYC Health + Hospitals/Harlem in 2021. He was the Interim Chief Quality Officer and Associate Medical Director for Quality, Safety, and Risk for LAC + USC Medical Center. Dr. Wei received his Bachelor's degree in Molecular, Cell and Developmental Biology at University of California, Los Angeles. He completed the combined M.D. and MBA program at University of California, Irvine. Dr. Wei completed his Emergency Medicine residency and the Healthcare Administration Scholars Program at the University of Michigan. He was named in Modern Healthcare's 50 Most Influential Clinical Executives and in the Becker's Hospital Review Top Patient Safety Experts.



**JESSICA MALATY RIVERA, M.S.**, is an infectious disease epidemiologist internationally recognized and science communicator. She has dedicated the last 15 years of her career to emerging infectious disease surveillance, public health policy, and vaccine advocacy. Her specialty is in translating complex scientific concepts into impactful, judgement-free, and accessible information for a diverse audience. From 2020-2021, she served as the Science Communication Lead for The COVID Tracking Project at The Atlantic. In 2021, Jessica was named one of the "World's 50 Greatest Leaders" by Fortune Magazine for her work on COVID-19 research and data communication and in 2022, Jessica was named of the Top 50 Leaders in

Digital Health by Rock Health. Currently, she is a Research Fellow at Boston Children's Hospital Innovation & Digital Health Accelerator, a Researcher at the Johns Hopkins University Center for Health Security, and a Senior Science Communication Advisor at the de Beaumont Foundation. In between her day jobs and being a full-time mother to three little kids, she also dedicates several hours a week to promoting science literacy and debunking misinformation on social media. Jessica earned her Bachelor of Science in Health Promotion and Disease Prevention Studies at the University of Southern California, Keck School of Medicine. She earned her Master of Science in Biohazardous Threat Agents and Emerging Infectious Diseases from Georgetown University, School of Medicine. Jessica is currently pursuing a Doctorate in Public Health from the Johns Hopkins University Bloomberg School of Public Health.



**JONATHAN ARNBURG** is a System Senior Director of Public Safety and Emergency Management with Inova Health System. He has been an operational leader for Public Safety and Emergency Management for Inova Health System since February 2020. In this role, he leads the modernization and standardization of operational resiliency; emergency management, safety, and physical security solutions; to ensure strategic program alignment with local, regional, state, and federal partners. With Jonathan's leadership, Inova Health System is a more resilient organization allowing for the integrated network of five hospitals, six free standing emergency departments, Urgent Care Centers, outpatient services,

destination clinics, primary and specialty care practices to provide world class healthcare to the people we have the privilege to serve. Inova Health System is consistently recognized for their efforts to protect team members, patients, and visitors from harm. Jonathan's highest priority is to provide a safe environment for Inova's over 20,000 employed team members and more than 12,000 contracted team members to ensure our 1,900+ licensed hospital beds can support on average 100,500 annual inpatient admissions and 424,000 annual emergency room visits. Additionally, he ensures healthcare delivery remains uninterrupted for two million people annually. Jonathan's specific efforts at Inova have focused on effective leadership, systemization, financial stewardship, and education for our world-class healthcare team. Prior to accepting his current position, Mr. Arnburg held positions with Mercy Hospital and Medical Center in Chicago as the Director of Public Safety and Emergency Management, with FEMA as a Strategic Planning Specialist and as a Deputy Emergency Management Coordinator and Firefighter in Englishtown, NJ.





**MARIANA MATUS, Ph.D.**, is the CEO and co-founder of Biobot Analytics. Mariana received her Ph.D. from the Department of Biological Engineering at MIT in Computational Biology, where she specialized in the emerging field of wastewater epidemiology. In addition to her doctoral studies, Mariana cofounded the MIT Underworlds Smart Sewers Project, leading the vision and funding for an interdisciplinary research project with collaborators from MIT's Department of Urban Studies and Planning. This work led to the creation of Biobot Analytics and set the scientific foundation for Biobot's wastewater intelligence platform—now serving the CDC and communities across all 50 US states. Mariana plans to expand Biobot's venture backed platform into countries all over the globe. Dr.

Matus has been recognized for her leadership and entrepreneurial excellence through several awards. In 2020, she was named to the C&EN Trailblazing Women in Chemistry. She made Newsweek's list of America's 50 Greatest Disruptors in 2021, and their list of America's 50 Enterprising Idealists in 2022. Boston Globe named Dr. Matus #8 on their inaugural 50 Tech Power Players list for 2022, and TIME100 NEXT recognized her as a 2022 industry innovator. Most recently, she was named a 2023 Henry Crown Fellow within the Aspen Global Leadership Network at the Aspen Institute.