

Speaker Bios



Anita Cicero

Deputy Director, Johns Hopkins Center for Health Security

Ms. Cicero is deputy director at the Johns Hopkins Center for Health Security and a senior scientist at the Johns Hopkins Bloomberg School of Public Health. She is a lawyer with 30 years of experience. At the Center, Ms. Cicero helps to lead strategic planning, program development, budgeting, and health security policy development. She is an Associate Editor of the journal *Health Security*, the leading peer-reviewed journal in this field.

Ms. Cicero greatly expanded the Center's efforts in epidemic preparedness policy and global catastrophic biological risk issues, as well as expanding international programs to engage constructively with other countries and regions in collaborative efforts to address biosecurity threats. Ms. Cicero has launched a number of initiatives to improve mutual understanding of health security issues with countries including India, Singapore, Malaysia, Thailand, the Philippines, Indonesia, and the People's Republic of China. She has also worked on projects to assess and improve Taiwan's preparedness for public health emergencies.

Ms. Cicero has authored or co-authored a number of widely cited articles and reports on biosecurity policy, pandemic preparedness, biosurveillance, biosecurity in the Southeast Asian region, public health measures required during pandemics, and international disease surveillance. She serves as chair of a WHO Working Group on Dual Use Research of Concern, and she chairs a WHO Working Group tasked with developing recommendations for a governance framework for advanced life science research.

Before joining the Center, Ms. Cicero spent nearly two decades as a practicing attorney in both the U.S. federal government and the private sector. She was managing partner in charge of the Washington, D.C. office of Drinker, Biddle & Reath, LLP, where she was responsible for more than 300 lawyers and staff. In her legal work, she created and managed a number of pharmaceutical industry consortia, with a particular focus on clinical research, patient privacy, and medical countermeasure development. She served as legal counsel to the Alliance for Biosecurity as well as the International Pharmaceutical Aerosols Consortium. Her work required constructive engagement with members of Congress; the World Health Organization; the European Commission; the Food and Drug Administration; the U.S. Departments of State, Defense, and Health and Human Services; and the Environmental Protection Agency.

Before entering private practice, Ms. Cicero was an environmental litigator. She began her career as a trial attorney in the Honors Program at the U.S. Department of Justice, Environmental Enforcement Section. Ms. Cicero is a graduate of Yale Law School and Oberlin College.



Ernest J. Moniz

Co-Chair and CEO, Nuclear Threat Initiative

Ernest J. Moniz served as the thirteenth United States Secretary of Energy from 2013 to January 2017. As Secretary, he advanced energy technology innovation, nuclear security and strategic stability, cutting-edge capabilities for the American scientific research community, and environmental stewardship. He placed energy science and technology innovation at the center of the global response to climate change and negotiated the Iran nuclear agreement alongside the Secretary of State.

Dr. Moniz joined the Massachusetts Institute of Technology faculty in 1973 and was founding director of the MIT Energy Initiative. He is the Cecil and Ida Green Professor of Physics and Engineering Systems emeritus and special advisor to the MIT President. Dr. Moniz is co-chairman of the Board of Directors and CEO of the Nuclear Threat Initiative. He has served on the Boards of numerous companies, non-profits, and government agencies in the energy and security arenas.

Dr. Moniz received a Bachelor of Science degree summa cum laude in physics from Boston College, a doctorate in theoretical physics from Stanford University, and eight honorary doctorates. He received the Distinguished Public Service Medal of the Department of Defense, the Grand Cross of the Order of Makarios III (Cyprus) and of the Order of Prince Henry the Navigator (Portugal), and the Grand Cordon of the Order of the Rising Sun (Japan).



Jennifer B. Nuzzo

Senior Scholar, Johns Hopkins Center for Health Security

Associate Professor, Department of Environmental Health and Engineering, and Associate in the Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health

Dr. Nuzzo is a senior scholar at the Johns Hopkins Center for Health Security and an associate professor in the Department of Environmental Health and Engineering at the Johns Hopkins Bloomberg School of Public Health (JHSPH), with joint appointments in the Department of Epidemiology at the Johns Hopkins Bloomberg School of Public Health and the Division of Infectious Diseases at the Johns Hopkins School of Medicine. She is also a senior fellow for Global Health at the Council on Foreign Relations. An epidemiologist by training, her work focuses on global health security, with a focus on pandemic preparedness, outbreak detection and response, health systems as they relate to global health security, biosurveillance, and infectious disease diagnostics. She directs the Outbreak Observatory, which conducts, in partnership with frontline public health practitioners, operational research to improve outbreak preparedness and response.

Dr. Nuzzo is also the lead epidemiologist for the Johns Hopkins COVID-19 Testing Insights Initiative housed within the Johns Hopkins Coronavirus Resource Center. Together with colleagues from the Nuclear Threat Initiative and Economist Impact, she co-led the development of the first-ever Global Health Security Index, which benchmarked 195 countries' public health and healthcare capacities and capabilities, their commitment to international norms and global health security financing, and socioeconomic, political, and environmental risk environments. Previously, she conducted research related to the Affordable Care Act, tuberculosis control, foodborne outbreaks, and water security. Dr. Nuzzo is an Associate Editor of the peer-reviewed journal *Health Security*.

In addition to her work at the Center, Dr. Nuzzo advises national governments and for-profit and nonprofit organizations on pandemic preparedness and response, including COVID-19. She is a pandemic advisor for ImpactAssets' Stop the Spread Campaign. She has also served as a member of the U.S. Environmental Protection Agency's National Drinking Water Advisory Council (NDWAC) and the NDWAC's Water Security Working Group, as well as a project advisor for the American Water Works Association Research Foundation (now called the Water Research Foundation), a primary funding organization for drinking water research in the United States.

Dr. Nuzzo regularly engages with media to educate and inform about emerging health security trends. Her articles have appeared in *The New York Times*, *The Washington Post*, *USA Today*, *Fox News*, *Politico*, *The Hill*, and *The Boston Globe*. She was featured in *Debunking Borat*, a television series on Amazon Prime Video, and her work was featured on *Last Week Tonight with John Oliver*. She served as Covid Advisor for the *Borat Subsequent Moviefilm*.

Prior to joining the Center for Health Security, Dr. Nuzzo worked as a public health epidemiologist for the City of New York, where she was involved with disease and syndromic surveillance efforts related to the city's Waterborne Disease Risk Assessment Program. Central to her duties was the management of an over-the-counter medication sales monitoring program, which was part of the city's syndromic surveillance efforts. She also previously worked for the City of Cambridge, Massachusetts on a local climate change initiative.

Dr. Nuzzo received a DrPH in epidemiology from the Johns Hopkins Bloomberg School of Public Health, an SM in environmental health from Harvard University, and a BS in environmental sciences from Rutgers University.



Claire Casey

Global Head, Policy & Insights, Economist Impact

Claire Casey is global head of Policy & Insights at Economist Impact. She manages teams on three continents, generating evidence-based insights to inform internal strategy and external engagement for governments, international institutions, corporations, foundations, and NGOs around the world. Prior to joining the Economist Group, she founded FP Analytics, the research and analysis division of the FP Group, publisher of *Foreign Policy Magazine*. At FP, Casey developed a thought leadership platform for clients on issues ranging from aging societies to global economic disruption. Previously, she was managing director of Garten Rothkopf, where she built an energy, climate, and economics policy advisory practice serving Fortune 100 corporations. Her work has appeared in the *Financial Times*, *International Economy*, *Americas Quarterly*, *the Telegraph*, and *Foreign Policy*.



Michael Paterra

Senior Manager, Policy & Insights, Economist Impact

Michael is a senior manager on the Policy & Insights team at Economist Impact, where he leads the research for the Global Health Security Index. At Economist Impact, Michael works with clients to collaboratively design research projects that drive real impact, including policy analysis, benchmarking, quantifying qualitative variables, and developing strategies for growth. His current areas of focus include inclusive growth, health security, and sustainability. Michael previously spent time specializing in global labor market research and international labor statistics. Michael holds a Master's degree in International Political Economy and Development from Fordham University, where he specialized in international economics and economic development.



Jessica A. Bell

Senior Director, Global Biological Policy and Programs, Nuclear Threat Initiative

Jessica Bell joined NTI as a senior program officer for Global Biological Policy and Programs in February 2019. In this role, she works on projects to strengthen global health security, primarily focusing on her role as the co-lead for the Global Health Security Index.

Prior to joining NTI, Ms. Bell served as a senior advisor to the Defense Threat Reduction Agency's Cooperative Threat Reduction (CTR) program, where she helped to shape CTR's strategic messaging, engage key stakeholders across the nuclear, chemical, and biological threat reduction communities, and coordinate congressional and departmental requirements. She also served in a leadership role supporting the CTR Biological Threat Reduction Program, where she assisted in the development of programmatic guidance, threat-reduction metrics, and requirements documentation while also managing a large team of global health specialists.

Ms. Bell consulted for multiple offices within the Defense Threat Reduction Agency, the Office of the Deputy Assistant Secretary of Defense for Countering Weapons of Mass Destruction, and the Department of Homeland Security's Office of Health Affairs. She also served as an operational research and development team member of 'Project Argus,' a disease-prevention initiative at Georgetown University focused on detecting catastrophic biological events on an international scale.

She holds an M.S. in Biohazardous Threat Agents and Emerging Infectious Diseases from Georgetown University, a B.S. in Forensic Biology from West Virginia University, and certifications as a Change Management Advanced Practitioner, a Project Management Professional, and an ICAgile Professional.



Margaret A. Hamburg

Interim Vice President, Global Biological Policy and Programs, Nuclear Threat Initiative

Dr. Margaret Hamburg is an internationally recognized leader in public health and medicine, who currently serves as chair of the NTI | bio Advisory Group. She previously served as foreign secretary of the National Academy of Medicine and is a former Commissioner of the U.S. Food and Drug Administration (FDA), having served for almost six years. Before joining the FDA, Dr. Hamburg was founding vice president and senior scientist at the Nuclear Threat Initiative. Previous government positions include assistant secretary for Planning and Evaluation, U.S. Department of Health and Human Services, health commissioner for New York City, and assistant director of the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

Dr. Hamburg recently stepped down from her position as foreign secretary of the National Academy of Medicine, the health arm of the National Academy of Sciences, Engineering and Medicine. In her former role, she served as senior advisor on international matters and was the liaison with other Academies of Medicine around the world. She is an elected member of the Council on Foreign Relations and the National Academy of Medicine. Dr. Hamburg currently sits on the boards of the Commonwealth Fund, the Simons Foundation, the Urban Institute, the Global Alliance for Vaccines and Immunization, the Parker Institute for Cancer Immunotherapy, and the American Museum of Natural History. She is chair of the Joint Coordinating Group for the Coalition for Epidemic Preparedness and Innovation, and a member of the Harvard University Global Advisory Council, the Global Health Scientific Advisory Committee for the Gates Foundation, the Harvard Medical School Board of Fellows, and the World Dementia Council.

Hamburg earned her B.A. from Harvard College, her M.D. from Harvard Medical School, and completed her medical residency at Weill Cornell Medical Center. She is the recipient of multiple honorary degrees and numerous awards.



Wilmot James

Senior Research Scholar and Chair, Pandemic Research Center, Institute for Social and Economic Research and Policy, Columbia University

Wilmot James is a senior research scholar at the Institute for Social and Economic Research and Policy (ISERP) at Columbia University. He is also an honorary professor of Public Health at the University of the Witwatersrand. Wilmot was previously a member of Parliament (South Africa) and opposition spokesperson on health. He is the author and/or editor of 17 books, including the policy-oriented *Vital Signs: Health Security in South Africa* (2020), and a co-edited collection of Nelson Mandela's presidential speeches, *Nelson Mandela In His Own Words* (2003), given to the late President on his 85th birthday. At Columbia University, Wilmot teaches a course on the governance of epidemic response, convenes high-level meetings on

planetary threats, conducts research on pandemic response and biosecurity in Africa, leads the Center for Pandemic Research at ISERP and is an Associate Director in the Program in Vaccine Education at the Vagelos College of Physicians and Surgeons. He presented an interim study of COVID-19 pandemic response in Egypt, Ethiopia, Kenya, Nigeria, and South Africa to the Schmidt Futures Forum in early 2021 and, as a follow-up, co-convenes the Schmidt Futures supported Columbia-Witwatersrand Vaccine Safety and Confidence-Building Working Group. Wilmot serves as a senior consultant in biosecurity to the Washington D.C.-based Nuclear Threat Initiative. He is a member of the Advisory Board to Resolve to Save Lives. He was recently appointed as the co-chair of the National Frameworks Focal Group of the G7-led Global Partnership (Against the Spread of Weapons and Materials of Mass Destruction) Africa Signature Initiative.



Manisha Bhinge

Managing Director, Global Health Partnerships, The Rockefeller Foundation

Manisha Bhinge serves as a Managing Director for Global Health Partnerships where she oversees the portfolio of global partners for The Rockefeller Foundation's Pandemic Prevention Institute. Manisha has led program strategy and partnerships for the Foundation's Covid response and pandemic prevention efforts in Africa and Asia with a focus on accelerating access to critical diagnostics and genomic sequencing in low- and middle-income countries. Prior to this role, she created and led the strategic partnerships office at the Tata Trusts, India's oldest philanthropic organization, and launched The India Health Fund, a leverage fund in collaboration with the Global Fund focused on scaling proven innovations for controlling infectious diseases. Manisha was vice president at BRAC, the world's largest NGO, where she oversaw programs across

Africa and South Asia that promote access to health through digital technology and market interventions. In addition, she has worked in technology consulting where she advised Fortune 500 companies on their digital transformation strategies.

Manisha has deep and diverse experience that includes management of field operations, program strategy and design, and partnerships to drive sustainable scale of technology and social innovations.

She is a graduate of Harvard University with degrees in global health economics and international development, as well as computer science and mathematics.



Mukesh Chawla

Adviser for Health, Nutrition and Population, World Bank Group

Mukesh Chawla, PhD, coordinator, Pandemic Emergency Financing Facility, and senior adviser of Pandemic Financing at the World Bank, has worked for over 25 years with governments and international development partners on a variety of health sector issues, including developing risk-based financing solutions, design and diffusion of complex innovations in health, identification of business solutions to address systemic and process issues in the health sector, and economics of health. His current area of interest and responsibility is helping countries get better prepared to respond immediately and effectively to disease outbreaks that have the potential of assuming pandemic proportions.

He has written extensively on the role of markets and market-like institutions in the creation of incentives that strengthen health systems, fiscal space for health, innovations in health financing, design of health sector reforms, and economics of aging populations. Prior to joining the Bank, he held a research faculty position at Harvard University. Before that, he held several key government positions in India.

He attended St. Stephen's College and Delhi School of Economics in Delhi, India, and Boston University in Boston, USA.



Chaeshin Chu

Deputy Scientific Director, Division of International Affairs, Korea Disease Control and Prevention Agency

Dr. Chaeshin Chu is a mathematical modeler and biostatistician. He works for the Korea Disease Control and Prevention Agency (KDCA) as deputy scientific director in the Division of International Affairs. He is interested in developing mathematical models for emerging infectious disease transmission. He is an expert in developing and organizing scenario-based table-top exercises based on a mathematical model to prepare for an emerging infectious disease outbreak.

He is also an enthusiastic international editor. He is the managing editor of *Osong Public Health and Research Perspectives* (PHRP), an official journal of KCDC (www.kcdc-phrp.org, www.kcdcphrp.org) and an editor of

the U.K. journal *Theoretical Biology and Medical Modelling* (www.tbiomed.com). He was involved in launching PHRP in 2010, which is noted as one of the fastest-growing public health journals in the world.

He has been responding to COVID-19 since January 1, 2020, when the Republic of Korea (ROK) identified a pneumonia cluster with unknown etiology in Wuhan, China. He has been involved in all of the ten KCDC's risk assessments of this unprecedented public health event and served as the IHR national focal point for the ROK.



Joy St. John

Executive Director, Caribbean Public Health Agency

Dr. St. John rose in the ranks of public health in Barbados from 1994 to become the first Barbadian chief medical officer of Barbados in 2005. Dr. St. John represented Barbados on the Executive Board of WHO, becoming the first Caribbean person to chair the Executive Board from 2012 to 2013.

She became the assistant director general at the WHO headquarters in Switzerland in 2017. There, she held the Portfolio of Climate and Other Determinants of Health and successfully completed the first phase of the Climate Change and Health SIDS Initiative.

In July 2019, Dr. St. John became the executive director of the Caribbean Public Health Agency (CARPHA). CARPHA has led the public health response to the COVID-19 pandemic and Dr. St. John's leadership has seen her have over 300 speaking engagements about COVID-19 as she engages with multiple sectors, and the health leaders and heads of government in CARICOM.