

Potential Research Priorities to Inform Readiness and Response to Highly Pathogenic Avian Influenza A (H5N1): A Workshop

PLANNING COMMITTEE BIOSKETCHES



NAHID BHADELIA, M.D., M.A. (CHAIR) is the Founding Director of Boston University Center for Emerging Infectious Diseases Policy and Research. She is a board-certified infectious diseases physician and an Associate Professor at the BU School of Medicine. She served the Senior Policy Advisor for Global COVID-19 Response for the White House COVID-19 Response Team in 2022-2023 as well as the interim Testing Coordinator on the White House MPOX Response Team. Between 2011-2021, Dr. Bhadelia helped develop and then served as the medical director of the Special Pathogens Unit (SPU) at Boston Medical Center, a medical unit designed to care for patients with highly

communicable diseases. She was also previously an associate director for BU's maximum containment research program, the National Emerging Infectious Diseases Laboratories. She has provided direct care and helped lead medical and research response to multiple viral hemorrhagic fever outbreaks in East and West Africa. Dr. Bhadelia's research focuses on global health security and pandemic preparedness, including medical countermeasure evaluation and clinical care for emerging infections, diagnostics evaluation and positioning, infection control policy development, and healthcare worker training. She is a member of the National Academies Forum on Microbial Threats and was previously a member of the National Academies Ad Hoc Committee on Current State of Research, Development, and Stockpiling of Smallpox Medical Countermeasures.



GEORGES C. BENJAMIN, M.D. is well-known as a health leader, practitioner, and administrator. Dr. Benjamin has served as the executive director of the American Public Health Association, the nation's oldest and largest organization of public health professionals, since December 2002. He is a former secretary of Health for the state of Maryland. Dr. Benjamin is a graduate of the Illinois Institute of Technology and the University Of Illinois College Of Medicine. He is board-certified in internal medicine, a Master of the American College of Physicians, a fellow of the National Academy of Public Administration and a fellow emeritus of the American College of

Emergency Physicians. He serves on several nonprofit boards such as Research!America, the University of Maryland Medical System and, the Reagan-Udall Foundation. He is a member of the National Academy of Medicine. In April 2016, President Obama appointed Benjamin to the National Infrastructure Advisory Council, a council that advises the president on how best to assure the security of the nation's critical infrastructure.



RICK BRIGHT, PH.D. is an international subject matter expert in biodefense, emergency preparedness and response, pharmaceutical innovation, vaccine, drug and diagnostic development. He is currently an advisor to numerous public and private organizations, an Executive Board Member for the NY Academy of Science's International Science Reserve, on the Board of Directors of FIND Dx, a member of the Science and Technical Advisory Board of the 100 Day Mission, a Sr. Fellow at the Foreign Policy Association, and a member of the Council on Foreign Relations. Prior, Dr. Bright served as the Deputy Assistant Secretary for Preparedness and Response and the Director of the

Biomedical Advanced Research and Development Authority (BARDA), in the U.S. Department of Health and Human Services where he directed public-private partnerships that led to the FDA approval of over 60 new vaccines, drugs, and diagnostics for public health and national security threats. Dr. Bright has extensive experience in the biotechnology industry where he held senior leadership and executive management roles. He has also held senior scientific leadership positions in non-governmental organizations where he championed innovative vaccine development and expanded vaccine manufacturing capacity to multiple developing countries. He also spent a decade in vaccine, therapeutics, and diagnostics development at the U.S. Centers for Disease Control and Prevention. For this work, Dr. Bright received the Charles C. Shepard Science Award for Scientific Excellence. Dr. Bright received a Ph.D. in Immunology and Molecular Pathogenesis from Emory University and a B.S. magna cum laude with honors in Biology and Physical Sciences from Auburn University at Montgomery.



MEGHAN F. DAVIS, D.V.M., PH.D., M.P.H. is an Associate Professor and Doctoral Program Director in Environmental Health and Engineering at Johns Hopkins Bloomberg School of Public Health, and she is Co-Director for the Johns Hopkins P.O.E. Total Worker Health Center in Mental Health. The goals of her research are to reduce microbe-mediated diseases at the human-animal interface and to promote systematic methods for One Health research. She received her D.V.M. from the University of California at Davis School of Veterinary Medicine in 2000, and her M.P.H. and Ph.D. from Johns

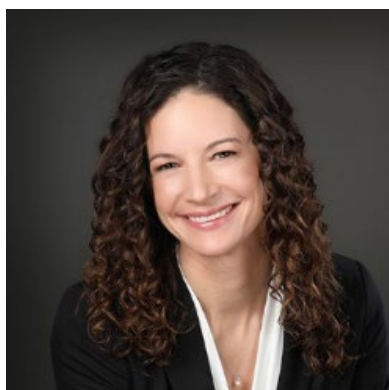
Hopkins Bloomberg School of Public Health in 2008 and 2012, respectively. She most recently served on the NAS Committee on Building Capacity in Pakistan.



RACHEL HERLIHY, M.D., M.P.H. is the State Epidemiologist and Deputy Chief Medical Officer at the Colorado Department of Public Health and Environment. Dr. Herlihy directs medical and epidemiologic activities for the Department including communicable disease reporting, surveillance, and investigation efforts. She led Colorado's epidemiologic response to the COVID-19 pandemic, and is currently leading the state's human epidemiologic response to H5N1 avian influenza. Dr. Herlihy represents the Department in a variety of settings including legislative and executive hearings, as a lead media spokesperson, and with various technical and lay

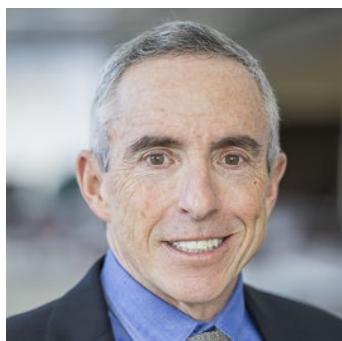
audiences. She has been with the Department since 2011 and has been Colorado's State

Epidemiologist since 2017. Rachel earned her MD and BS degrees in Bacteriology, and Medical Microbiology and Immunology at the University of Wisconsin. She completed an internal medicine internship at the University of Virginia and a preventive medicine residency at Johns Hopkins University including an MPH from the Johns Hopkins Bloomberg School of Public Health. Previously, Rachel was the Deputy State Epidemiologist for Utah, and the Deputy Director for the Department of Defense's Infectious Diseases Clinical Research Program in Bethesda, Maryland.



MICHELLE KROMM, D.V.M., M.P.H., M.A.M., DACVP is a board-certified poultry veterinarian with over 15 years of experience in food safety, emergency disease management, and antimicrobial stewardship. She earned her Doctor of Veterinary Medicine and Master of Public Health degrees concurrently from Iowa State University and the University of Iowa in 2006, followed by a master's degree specializing in poultry medicine from the University of Georgia in 2007. After completing her education, Dr. Kromm joined Jennie-O Turkey Store, a Hormel Foods subsidiary, as a staff veterinarian. She advanced through multiple leadership roles, ultimately becoming Vice President of Animal Health and

Welfare at Hormel Foods in 2019. In this role, she managed animal health, welfare, and preharvest food safety programs. Dr. Kromm has contributed to multiple task forces and committees focused on food safety, antimicrobial resistance, and emergency disease preparedness. Notable committees include the Executive Committee of National Turkey Federation, National Institute for Antimicrobial Resistance Research and Education and multiple AVMA committees. Her consulting practice, Food Forward LLC, is dedicated to enhancing food system resilience through strategic risk mitigation, with a focus on food safety, animal health, and sustainability.



ANDY T. PAVIA, M.D., FAAP, FIDSA is the George and Esther Gross Presidential Professor and Chief of the Division of Pediatric Infectious Diseases at the University of Utah and Director of Hospital Epidemiology at Primary Children's Medical Center. His current research focuses on the epidemiology, diagnosis and management of influenza and other respiratory and emerging infections. He was a member of the Board of Directors of the Infectious Diseases Society of America and chaired the Pandemic Influenza and Bio-emergencies Task Force. He served two terms as a member of the Board of Scientific Counselors of the Director of the Office of Infectious

Diseases at the U.S. Centers for Disease Control and Prevention (CDC) and has served as a member of the National Biodefense Science Board, and the National Vaccine Advisory Board. He has been an adviser to CDC on pandemic influenza- and anthrax-related issues and served on CDC Team B during the 2009 H1N1 and the 2020 Covid-19 pandemics. He has served on committees for the National Academies of Sciences, Engineering, and Medicine (NASEM), exploring the distribution of antivirals during influenza pandemics and the prepositioning of countermeasures for anthrax. During the Covid-19 pandemic he served on the NIH Covid-19 Treatment Guidelines Panel. He received his B.A. and M.D. degrees at Brown University. He

trained as a resident and chief resident at Dartmouth Hitchcock Medical Center, as an Epidemic Intelligence Service officer and Preventive Medicine Resident at the CDC, and an infectious disease fellow at the University of Utah.



ANABEL RODRIGUEZ, PH.D., M.P.H. is an Assistant Professor at Texas A&M. Her research, outreach, and training efforts have focused on improving occupational health, safety, and well-being among Spanish and Indigenous-speaking agricultural working populations in rural regions. Most recently, her work has focused on identification and prevention of tuberculosis and influenza, health service access in health ‘deserts’, including, vaccine access, utilization, hesitancy, and systemic barriers, education on vaccine-preventable infectious diseases, pandemic relief payments for wages lost, and understanding social determinants of health associated with agricultural occupations (i.e., dairy farm workers, fresh fruit and vegetable, seasonal, migrant, and H-2A visa guest farmworkers, and sorting and grading bodega workers) in the Texas Panhandle and U.S.-Mexico border communities of the Rio Grande Valley and El Paso. Dr. Rodriguez is the proud daughter of Mexican immigrants and seasonal migrant farmworkers from the Rio Grande Valley.



DAVID STIEFEL, M.S. serves as a Director for the Nuclear Threat Initiative’s (NTI) Global Biological Policy and Programs team. Previously, David served on the National Security Council (NSC) staff, most recently as the Acting Senior Director for Global Health Security and Biodefense. While at the NSC, David led the drafting, signing, and release of National Security Memorandum (NSM) -15 and the National Biodefense Strategy; was key to the drafting, signing, and release of NSM -16; coordinated improvements for biological incident response; revitalized key biodefense bilateral relationships; and oversaw key policy efforts related to biosafety, biosecurity, global health security, biological weapons nonproliferation, mitigating biotechnology risk, and international pandemic preparedness and health negotiations. David previously worked as an environmental consultant, a defense contractor at the Defense Threat Reduction Agency, and a national security policy analyst at the United States Department of Agriculture. David is an adjunct faculty at Georgetown and the William and Mary. David has a BS in Geology & Environmental Sciences, Media Arts & Design, and Jazz Studies from James Madison University; a MS from Georgetown University in Biohazardous Threat Agents and Emerging Infections Disease; and he is currently a PhD Candidate at the University of Virginia in Foreign Affairs.



RICHARD WEBBY, PH.D. is a Member of the Department of Host-Microbe Interactions at St Jude Children's Research Hospital, Memphis TN. He is also Director of the World Health Organization Collaborating Center for Studies on the Ecology of Influenza. He is a virologist with a research focus on influenza at the human-animal interface; research that has included studies with A(H5) influenza viruses. He is a Fellow of the American Academy of Microbiology and completed his PhD in Virology from the University of Otago, New Zealand. He has previously participated in the 2005 Institute of Medicine John R. La Montagne Memorial Symposium on Pandemic Influenza Research.



NORA WINELAND, D.V.M., M.S., DACVPM is the State Veterinarian. Dr. Wineland works closely with the staff of the Michigan Department of Agriculture and Rural Development's Animal Industry Division (AID), part of the Bureau of Food Safety and Animal Health. Together, they work collaboratively with other agencies, stakeholders, and animal health partners to achieve the mission of protecting, regulating, and promoting animal health throughout the state. Dr. Wineland has been serving as the State Veterinarian since 2018 and led AID from 2018 to 2023. Prior to joining MDARD, she worked extensively in regulatory medicine designing and implementing national disease eradication programs, developing national livestock health studies, and serving as the first head of the U.S. Department of Agriculture's Center for Animal Welfare. These experiences helped her to develop a broad network of partnerships and to value collaboration in all her work. Dr. Wineland earned her DVM from Michigan State University and later received a Master's in Epidemiology from Colorado State University. Also, she is board certified in veterinary preventive medicine.

SPEAKERS BIOSKETCHES



CHERRISSA ABDUL-HAMID, DVM, MPH

Regional Zoonosis Veterinarian
Texas Department of State Health Services

Dr. Abdul has been the Region 1 Zoonosis Veterinarian since September 2021. She has been actively creating collaborative opportunities with regional stakeholders to identify region-specific zoonotic diseases, vectors and the zoonotic diseases they transmit and building collaborations between agencies that support said surveillance efforts. She is mentoring the next generation of zoonotic disease investigators/scientists by participating in the annual DSHS Public Health Fellowship Program and providing applied practical experience projects to MPH students. Dr. Abdul continues to provide educational trainings of several zoonotic diseases to the region's stakeholders including animal control officers, veterinary students, and medical residents.



AMY BAKER, PHD, DVM

Virus and Prion Research, Research Veterinary Medical Officer
Agricultural Research Service
United States Department of Agriculture (USDA)

Dr. Baker is a research veterinary medical officer, conducting research on influenza A virus (IAV) in swine and the role of swine in interspecies transmission. The NADC studies focus on IAV in the natural swine host and at the swine and human interface and on vaccines and intervention strategies. The group actively contributes to the USDA surveillance system in swine and as collaborators with public health and influenza researchers with other hosts of interest. Baker recently joined the ARS response to the 2024 outbreak of HPAI H5N1 in cattle by developing experimental challenge models in lactating cows and calves.



MAGGIE BALDWIN, DVM

State Veterinarian
Colorado Department of Agriculture

Dr. Baldwin is the State Veterinarian for Colorado's Department of Agriculture. In her current role, Dr. Baldwin manages CDA's Animal Health division through planning, directing and executing all programs, policies and cooperative agreements with other governmental agencies. She is the first ever female state veterinarian in Colorado. Dr. Baldwin joined the Colorado Department of Agriculture's

Animal Health Division in January 2017, focusing on emergency response, incident management, and public outreach. She has served as Epidemiology Traceability Veterinarian and most recently as the Colorado Assistant State Veterinarian, a role that focused on emergency management and disease response activities, overall management of division activities, and supporting the mission of the Animal Health Division. Dr. Baldwin earned her DVM from the University of Minnesota's College of Veterinary Medicine in St. Paul. She began her career in public service as a Supervisory Public Health Veterinarian with USDA Food Safety and Inspection Service and Veterinary Medical Officer with USDA Animal and Plant Health Inspection Service.

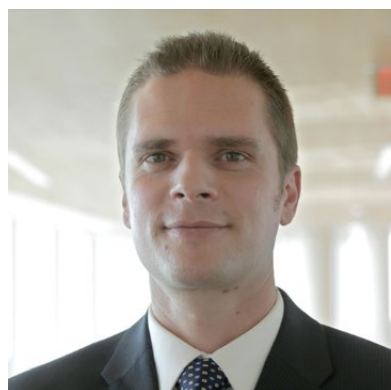


PAULA BARBOSA, PHARM D

Associate Director, Vaccine Policy
IFPMA

Paula is responsible for the IFPMA Influenza Vaccine Supply International Task Force, leading pathogen sharing policy and advocacy efforts for the pharmaceutical industry. Prior to joining IFPMA, Paula worked for GSK in different global marketing and commercial roles, including vaccines and rare diseases. Paula has a MSc in Global Health Policy from the

London School of Hygiene and Tropical Medicine, a Master in Pharmaceutical Marketing from Universitat Pompeu Fabra, Barcelona, and a PharmD in Pharmaceutical Sciences from the University of Porto, Portugal.



RODOLPHE BARRANGOU, PHD

[Food and Nutrition Board](#)

Professor of Food Science
North Carolina State University

Rodolphe Barrangou, Ph.D., is the T. R. Klaenhammer Distinguished Professor in Probiotics Research in the Department of Food, Bioprocessing and Nutrition Sciences at North Carolina State University, focusing on the evolution and functions of CRISPR-Cas systems, and their applications in bacteria used in food manufacturing. Dr. Barrangou earned a

BS in Biological Sciences from Rene Descartes University in Paris, France, a MS in Biological Engineering from the University of Technology in Compiegne, France, a MS in Food Science from NC State, a PhD in Genomics from NC State and a MBA from the University of Wisconsin-Madison. He spent 9 years in R&D and M&A at Danisco and DuPont in the Food Industry. Recently, for his work establishing the biological function of CRISPR, he received the 2016 Warren Alpert Prize, the 2016 Canada Gairdner International Award, the 2017 NAS Award in Molecular Biology and the 2018 NAS Prize in Food and Agriculture Sciences. Dr. Barrangou was elected into the US National Academy of Sciences in 2018, the US National Academy of Engineering in 2019 and the National Academy of Inventors in 2019. Dr. Barrangou is also a co-founder of Intellia Therapeutics, Locus Biosciences, TreeCo, and CRISPR Biotechnologies, and the Editor in Chief of the CRISPR Journal.



COLIN BASLER, DVM, MPH

Deputy Director
National Center for Emerging and Zoonotic Infectious Diseases
Centers for Disease Control and Prevention (CDC)

Dr. Colin Basler is the deputy director of CDC's One Health Office and the CDC One Health liaison to the World Organisation for Animal Health (WOAH). He received his DVM and MPH degrees from Tufts University. Prior to joining CDC's One Health Office, Dr. Basler trained as an Epidemic Intelligence Service Officer and later served as a veterinary epidemiologist with the Outbreak Response and Prevention Branch of the Division of Foodborne, Waterborne, and Environmental Diseases at the CDC.



JESSE BLOOM, PHD

Professor, Basic Sciences Division
Professor, Herbold Computational Biology Program
Public Health Sciences Division
Fred Hutch Cancer Center

Jesse Bloom studies the evolution of rapidly evolving viruses, including influenza and SARS-CoV-2. His research group focuses on understanding how mutations to viral proteins affect their function and recognition by antibodies. Jesse is a professor at the Fred Hutch Cancer Center and an

Investigator of the Howard Hughes Medical Institute. See <https://jbloomlab.org> for more details about his research.



BETHANY BOGGESS ALCAUTER, PHD, MPH

Director of Research & Public Health Programs
National Center for Farmworker Health

Bethany directs a national program focused on reducing the burden of infectious disease among agricultural worker communities as part of a cooperative agreement with the Centers for Disease Control and Prevention. She holds a BS in community health, a MPH in epidemiology, and a PhD in occupational epidemiology from the University of Texas Health Science Center. Her areas of expertise are focused on

community-driven & participatory research, engaging agricultural and low-wage workers, and occupational health and safety issues for workers employed in agriculture and construction. Bethany also runs a small farm raising poultry, goats, and beef cattle in

Central Texas with her family. Prior to NCFH, Bethany worked in local WIC clinics and in labor organizing & participatory research with immigrant workers.



MICHELLE CATLIN, PHD, MS

Chief Scientist
Food Safety and Inspection Service
United States Department of Agriculture (USDA)

Dr. Michelle Catlin was appointed as chief scientist of the U.S. Department of Agriculture's Food Safety and Inspection Service (FSIS) in January 2024. In her role, Dr. Catlin serves as the primary scientific advisor on matters of public health and food safety that affect the agency's mission, with primary responsibility for scientific initiatives within the Office of Public

Health Science (OPHS). Dr. Catlin's efforts directly support all FSIS' Strategic Goals: (1) Prevent Foodborne Illness and Protect Public Health; (2) Transform Inspection Strategies, Policies and Scientific Approaches to Improve Public Health; and (3) Achieve Operational Excellence. Dr. Catlin has held a variety of leadership roles in FSIS. In October 2018, she was appointed as international coordination executive for FSIS. In her role, she led the Office of International Coordination (OIC) and coordinated all of FSIS' international activities related to the agency's public health and food safety mission, implementing the administrator's international strategic objectives. Her office coordinated the international activities among FSIS' Office of Field Operations; the Office of Investigation, Enforcement and Audit; and the Office of Policy and Program Development; and represented FSIS in contacts with foreign governments on technical issues about importing and exporting meat, poultry and egg products, as well as trade negotiations, to ensure food safety in the international trade of these products. Dr. Catlin holds a Bachelor of Science (Honors) in life sciences and a Master of Science in pharmacology from Queen's University at Kingston, Ontario, Canada. She also holds a Ph.D. in toxicology from the Department of Environmental & Occupational Health Sciences of the University of Washington at Seattle.



CAROL CARDONA, DVM, PHD

Professor, Department of Veterinary and Biomedical
Sciences
University of Minnesota

Dr. Cardona has served as the lead investigator on more than 50 scientific grants and contracts over the past 15 years. She conducts research on the disease agents of poultry, specifically on the transmission and pathogenesis of viral disease agents. She has a specific interest in disease control and prevention in real world settings and a strong interest in helping people to produce healthy birds. She is an author or co-author of more than 150 scientific publications. Dr.

Cardona is currently the BS Pomeroy Chair in Avian Health, maintains an active laboratory in on the St Paul campus of the University of Minnesota, leads and participates in the Secure Food System team and is the Director of the Mid Central Research and Outreach Laboratory in Willmar, Minnesota. She is a past recipient of the Minnesota Turkey Grower's President's Award (2017), the US Poultry and Egg Association Lamplighter Award (2017), Bruce W. Calnek Achievement Award (2009), the California Poultry Federation Golden Rooster Award (2006), the AAAP New Investigator Award (2003), Poultry Scientist of the Year and the Pacific Egg and Poultry Association (2003).



ERIC DEEBLE, VMD
Deputy Under Secretary
US Department of Agriculture

Dr. Eric Deeble serves as the Deputy Under Secretary for Marketing and Regulatory Programs at the US Department of Agriculture and was previously the Deputy Assistant Secretary for the Office of Congressional Relations. Prior to joining USDA, Dr. Deeble was the Policy Director of the National Sustainable Agriculture Coalition. He has also served as a Senior Policy Advisor for Agriculture, Nutrition,

the Arts, and Space for Senator Kristen Gillibrand (D-NY). Before working on Capitol Hill, Eric worked in the veterinary field ultimately earning his Veterinary Medical Doctorate from the University of Pennsylvania School of Veterinary Medicine in 2013.



JOHN R. CLIFFORD

Dr. Clifford currently works for USAPEEC as a veterinary trade advisor. He provides input on OIE Chapters that affect poultry and advice on USDA policy that is related to poultry. Prior to Dr. Clifford becoming a consultant he was employed for 33 years with United States Department of Agriculture. At USDA he provided leadership in protecting our nation's animal health and by ensuring continued international trade opportunities as the Chief Trade Advisor for Veterinary

Services. Dr. Clifford served 12 years as the Chief Veterinary Officer for USDA, Veterinary Services in Washington, DC. He also served as the United States Delegate to the OIE for 12 years. Dr. Clifford began his career in Kentucky as a private veterinarian in a mixed practice. He received his DVM and BS degrees in animal science from the University of Missouri. A native of Kentucky, Dr. Clifford currently resides in Bowling Green with his wife, Sara and sister-in-law, Carol.



CARLOS DEL RIO, MD

Distinguished Professor of Medicine in the Division of Infectious Diseases
Emory University School of Medicine

Carlos del Rio, MD is the H. Cliff Sauls, MD Distinguished Professor of Medicine and Chair of the Department of Medicine at Emory University School of Medicine. He is also Professor of Global Health and Epidemiology at the Rollins School of Public Health. Dr. del Rio is co-Director of the Emory Center for AIDS Research and co-PI of the Emory Vaccine and Treatment Evaluation Unit. A native of Mexico where he attended medical school graduating with honors in 1983. He did his Medicine and Infectious Diseases training at

Emory. In 1989 he returned to Mexico where he was Executive Director of the National AIDS Council. In 1996 Dr. del Rio returned to Emory where he is involved in patient care, teaching and research. He is the Immediate Past President of the Infectious Diseases Society of America. Dr. del Rio was elected to the National Academy of Medicine in 2013 and elected as the Academy's International Secretary in 2020 and reelected in 2024. During the COVID-19 pandemic Dr. del Rio was a leader locally and nationally, doing research, developing policies, writing scientific publications, and making countless media appearances. Dr. del Rio advised municipal, state, and national leaders and also served on the national advisory committee of the COVID Collaborative, which focuses on developing consensus recommendations and engaging with U.S. leaders on effective policy and coronavirus response.



RUBEN DONIS, DVM, PHD

Deputy Director and Chief Science Officer, Influenza Division
BARDA

Ruben Donis, Ph.D., is the Deputy Director and Chief Science Officer of the Influenza and Emerging Infectious Diseases Division (IEIDD) of the Biomedical Advanced Research and Development Authority (BARDA), a component of the Administration for Strategic Preparedness and Response (ASPR) within the U.S. Department of Health and Human Services (HHS). IEIDD is charged with the advanced

development and procurement of medical countermeasures (MCMs) to prepare and respond to pandemic influenza and emerging infectious diseases (EID) such as Zika and COVID-19. As Deputy Director of IEIDD, Dr. Donis oversees advanced MCM development programs for pandemic influenza and EID, including improved influenza vaccines, therapeutics and diagnostics, the expansion of domestic manufacturing infrastructure, and a portfolio of pandemic response readiness efforts in alignment with the 2022-2026 BARDA Strategic Plan. Before joining BARDA, Dr. Donis served as Associate Director for Policy Evaluation and Preparedness and Chief of the Molecular Virology and Vaccines

Branch of the Influenza Division at the Centers for Disease Control and Prevention (CDC). Dr. Donis provided leadership in science policy and public health emergency response for the Influenza Division and led a laboratory team that contributed to pandemic preparedness through discovery of canine influenza virus (2005), identification of broadly neutralizing human monoclonal antibodies and epitopes for universal influenza vaccines (2010), discovery of bat influenza viruses (2012), development and implementation of novel vaccine potency assays, and production of WHO-recommended candidate vaccine viruses for pandemic vaccine manufacturing. Dr. Donis received his PhD from Cornell University, conducted post-doctoral research training at Saint Jude Children's Hospital and was Professor of Virology at the University of Nebraska.

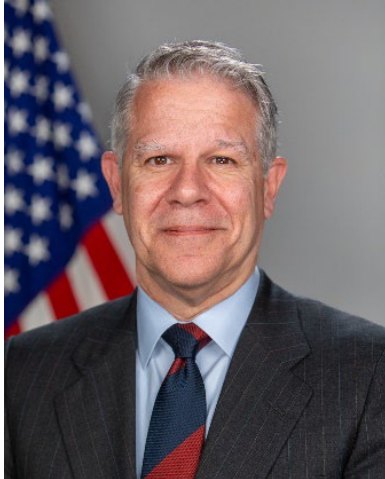


STEFANIE FRIEDHOFF

Co-Founder and Co-Director
Information Futures Lab
Brown University

Stefanie Friedhoff is co-founder and co-director of the Information Futures Lab (IFL), Professor of the Practice, and Senior Director of Strategy and Innovation at the Brown University School of Public Health. She is a leading media, communications and global health strategist, and an expert at knowledge translation, information creation, and verification. From July 2022 to May 2023, Friedhoff served as a senior policy advisor on the White House Covid-19 Response Team, focusing on population

information needs, health equity, community engagement, and medical countermeasure uptake. At Brown, Friedhoff studies information ecosystems and the relationships between information needs, information inequities, and health outcomes. Partnering with creators of trusted information in rapidly changing information ecosystems, she creates co-designing and capacity-building opportunities and research initiatives aimed at meeting the information needs of diverse populations. Throughout her career, Friedhoff has worked as a foreign correspondent, feature writer, editor and photographer on three continents. Her stories have been published in TIME, The Boston Globe, Sueddeutsche Zeitung, Frankfurter Allgemeine, Nieman Reports, and many other publications. She was a 2001 Nieman Fellow at Harvard University.



PAUL FRIEDRICHS, MD

Deputy Assistant to the President and Director
White House Office of Pandemic Preparedness and
Response Policy

Dr. Paul Friedrichs currently serves as Deputy Assistant to the President and as the inaugural Director of The White House Office of Pandemic Preparedness and Response Policy. In this role, Dr. Friedrichs coordinates U.S. government efforts to enhance the United States and its partners' ability to prepare for and respond to pandemics and other biological events. Paul previously served as Special Assistant to the President and Senior Director for Global Health Security and Biodefense at the White House National

Security Council, where he coordinated U.S. policy to detect, prevent, prepare for, and respond to, infectious diseases and biological threats. Dr. Friedrichs concluded a 37-year military career by serving as the Joint Staff Surgeon at the Pentagon, where he provided medical advice to the Chairman of the Joint Chiefs of Staff on Department of Defense (DOD) operations and served as the medical advisor to the DOD COVID-19 Task Force. He was also the U.S. representative to the North Atlantic Treaty Organization's Committee of the Chiefs of Military Medical Services. In addition to caring for patients in combat, Antarctica and other austere locations, he has led DOD's global medical evacuation system and assisted in multiple major domestic and international responses to natural disasters and biological outbreaks, as well as multiple global health engagements. As Chair of the Military Health System's Joint Task Force on High Reliability Organizations, Dr. Friedrichs oversaw development of a roadmap to continuously improve care for more than 9 million service members, retirees and their dependents. Dr. Friedrichs received his commission at Tulane University through the Reserve Officer Training Corps in 1986 and his Doctor of Medicine degree (M.D.) from the Uniformed Services University in 1990. He was a Distinguished Graduate of the National War College, where he received a Master's Degree in Strategic Security Studies and also received an honorary Doctorate in Science from the University of Nebraska Medical Center. He has commanded multiple medical units, served as an Assistant Professor of Surgery and led joint and interagency teams which earned numerous awards. He has been awarded the Defense Distinguished Service Medal, the Bronze Star and has been named a Chevalier in the French Ordre National du Mérite.



ASHA GEORGE, DRPH

*Forum on Medical and Public Health Preparedness for
Disasters and Emergencies*

Executive Director

Bipartisan Commission on Biodefense

Dr. Asha M. George is a public health security professional whose research and programmatic emphasis has been practical, academic, and political. She served in the US House of Representatives as a senior professional staffer and subcommittee staff director at the House Committee on

Homeland Security in the 110th and 111th Congress. She has worked for a variety of organizations, including government contractors, foundations, and non-profits. As a contractor, she supported and worked with all Federal Departments, especially the Department of Homeland Security and the Department of Health and Human Services. Dr. George also served on active duty in the U.S. Army as a military intelligence officer and as a paratrooper. She is a decorated Desert Storm Veteran. She holds a Bachelor of Arts in Natural Sciences from Johns Hopkins University, a Master of Science in Public Health from the University of North Carolina at Chapel Hill, and a Doctorate in Public Health from the University of Hawaii at Manoa. She is also a graduate of the Harvard University National Preparedness Leadership Initiative.



JESSE GOODMAN, MD, MPH

Professor and Director, Center on Medical Product Access,
Safety and Stewardship (COMPASS)

Attending Physician, Infectious Diseases
Georgetown

Jesse L. Goodman, M.D., M.P.H., directs Georgetown COMPASS, which focuses on science based policy and research to address unmet public health needs with an

emphasis on product development and access and antimicrobial resistance and stewardship. Until February 2014 he served as the Chief Scientist of the US Food and Drug Administration (FDA), a position he assumed in 2009 along with Deputy Commissioner for Science and Public Health (2009-2012). As FDA's Chief Scientist he had broad responsibility for strategic leadership of crosscutting scientific and public health efforts, including developing and implementing FDA's Strategic Plan for Regulatory Science and FDA's public health preparedness and response and medical countermeasures efforts. In this role he led the 2009 H1N1 pandemic response, also serving on the US Department of Health and Human Services Senior Leadership team and the White House Medical Countermeasure Review. From 2003 to 2009, he was Director of FDA's Center for Biologics Evaluation and Research (CBER), overseeing activities critical to U.S. and global preparedness and the development, evaluation, safety, quality, and availability of blood, vaccines, gene and cell therapies and other biologics, and also designated a WHO Collaborating Center. As Senior Advisor to the FDA

Commissioner in 1998-2000, he initiated and, with CDC and NIH colleagues, co-chaired the United States Task Force on Antimicrobial Resistance which produced the nation's first Public Health Action Plan to Combat Antimicrobial Resistance. A graduate of Harvard, Dr. Goodman received his M.D. from the Albert Einstein College of Medicine and did residency and fellowship training in Medicine, Infectious Diseases and Oncology at the Hospital of the University of Pennsylvania and at the University of California in Los Angeles (UCLA), where he was also Chief Medical Resident. Prior to his government service, he was Professor of Medicine and Chief of Infectious Diseases at the University of Minnesota where his laboratory isolated and characterized *Anaplasma phagocytophilum*, the etiologic agent of granulocytic anaplasmosis, then a newly recognized tick-borne disease.



GREGORY C. GRAY, MD, MPH, FIDSA

Professor in Infectious Disease Epidemiology, Departments of Internal Medicine (Infectious Diseases), Microbiology and Immunology, and Global Health
University of Texas Medical Branch (UTMB)

Gregory C. Gray MD, MPH is a Professor in Infectious Disease Epidemiology in the Departments of Internal Medicine (Infectious Diseases Division), Microbiology & Immunology, and Global Health at the University of Texas Medical Branch in Galveston, Texas. Professor Gray received his Medical Degree, at the University of Alabama at Birmingham, School of Medicine, Birmingham, Alabama; his Master's in Public Health Degree from Johns Hopkins School

of Hygiene & Public Health, Baltimore, Maryland; and his Bachelor of Science degree from the U.S. Naval Academy in Annapolis, Maryland. He underwent residency training at Walter Reed Army Institute of Research in Washington, District of Columbia. His medical boards are in Preventive Medicine and Public Health. Professor Gray is a Fellow in the Infectious Diseases Society. Dr. Gray has conducted diverse epidemiological studies of infectious diseases for more than 25 years in 5 continents. He has authored more than 380 peer-reviewed manuscripts and book chapters. His published works have been cited by others more than 20,000 times (H-index 75 by Google Scholar). He is a strong advocate for One Health research and won multiple One Health research and training grants. He has helped to established centers of One Health (USA, Romania, China) and developed four graduate programs in One Health (PhD, MHS, and certificates). Much of his work has involved identifying risk factors for occupational diseases, particularly for respiratory virus infections. He has contributed more than 175 scientific reports regarding influenza viruses, coronavirus, and adenoviruses. His team has discovered a number of novel viruses that seem to be spillover to new species including humans. His laboratory team is currently involved in studying highly pathogenic avian influenza A viruses that are causing considerable morbidity in US dairy, poultry, and egg farms.



STEVE GRUBE

Chief Medical Officer
Food and Drug Administration (FDA)



ROBERT HAGEVOORT, PHD

Topliff Dairy Chair, Professor and Extension Dairy Specialist
NMSU Ag Science Center at Clovis
New Mexico State University

Dr. Robert Hagevoort, a native of The Netherlands, is a Professor and Extension Dairy Specialist at New Mexico State University. Prior to joining NMSU in November of 2005, Dr. Hagevoort served as an independent dairy management consultant in California. As an Extension Specialist, he works closely with the dairy industry on many emerging issues. In an effort to rebuild a dairy program at NMSU, Hagevoort is the co-founder of the U.S. Dairy Education & Training Consortium. His current focus is the development and

implementation of a comprehensive dairy workforce training and education program. In 2022 Hagevoort became the director for the New Mexico AgrAbility Project (NMAP), one of the 23 USDA-NIFA funded State/Regional AgrAbility Projects (SRAPs).



FREDERICK HAYDEN, MD, FACP

Professor Emeritus
University of Virginia School of Medicine

Dr. Frederick Hayden is Stuart S. Richardson Professor Emeritus of Clinical Virology and Professor Emeritus of Medicine at the University of Virginia School of Medicine in Charlottesville, Virginia, USA. He received his medical degree from Stanford University School of Medicine in 1973 and completed his clinical training in internal medicine and infectious diseases at Strong Memorial Hospital, University of Rochester, New York. Dr. Hayden joined the faculty of the

University of Virginia in 1978, became Richardson Professor in 1990, and transitioned to emeritus status in 2015. During 2006-2008 he served as a medical officer in the Global Influenza Programme at the World Health Organization, Geneva and during 2008-2012 as

influenza research coordinator at the Wellcome Trust, London. His principal research interests have been on respiratory viral infections with a particular focus on the development and application of antiviral agents for influenza, rhinovirus, and coronavirus infections. He has contributed to the development of seven influenza antivirals and two influenza vaccines approved for clinical use in one or more countries. During the COVID-19 pandemic he collaborated with colleagues in China to conduct the first controlled trials of candidate antivirals in hospitalized patients and served as a consultant to platform studies (UK CTAP, ACTIV, AGILE), academic groups, and industry regarding the selection of therapeutics for clinical trials. He has published over 450 peer-reviewed papers, chapters, and other articles, and co-edited the textbook Clinical Virology. In 2019 Dr. Hayden received the Lifetime Achievement Award for Influenza Research from International Society for Influenza and Other Respiratory Viral Diseases.



DARRELL KAPCZYNSKI, PHD, MS

Exotic & Emerging Avian Viral Diseases Research Laboratory
U.S. Department of Agriculture (USDA)

Darrell Kapczynski is a Research Microbiologist at the USDA BSL-3 laboratory in Athens, Georgia, with over 35 years research experience.

Dr. Kapczynski earned his PhD and MS in Medical Microbiology and Bacteriology from the University of Georgia. His research priorities include ecology and evolution of highly pathogenic avian influenza viruses, the development of

vaccines for protection against infectious diseases, the development transgenics approaches to genetically modify birds to enhance resistance from transboundary diseases, comparative immunology studies of avian species, and in vitro animal model for SARS-CoV-2 susceptibility. In 2007, Dr. Kapczynski earned the USDA-ARS SAA Early Career Scientist of the Year for improved control measures in the field of avian medicine to protect poultry against avian viral diseases. In 2017, Dr. Kapczynski received the Technology Transfer Award from Federal Laboratory Consortium (FLC) for the “Recombinant Highly Pathogenic Avian Influenza Virus Vaccine” for the reverse genetics vaccine that was made and transferred to Zoetis. Dr. Kapczynski has several U.S. and E.U. patents and serves on the 2023-2025 NASEM Committee on Heritable Genetic Modification of Food Animals.



BRYAN LEWIS, PHD, MPH

Research Associate Professor
Biocomplexity Institute
University of Virginia

Bryan Lewis is a research associate professor in the Network Systems Science and Advanced Computing division. His research has focused on understanding the transmission dynamics of infectious diseases within specific populations through both analysis and simulation. Lewis is a computational epidemiologist with more than 15 years of experience in crafting, analyzing, and interpreting the results of models in the context of real public health problems. As a computational epidemiologist, Lewis acts as a liaison between the computer scientists and mathematicians designing and

building simulation software and decision makers who want answers to pressing public policy questions. For more than a decade, Lewis has been heavily involved in a series of projects forecasting the spread of infectious disease as well as evaluating the response to them in support of the federal government. These projects have tackled diseases from ebola to pandemic influenza and melioidosis to cholera.



DREW MAGSTADT, DVM, MS

Clinical Associate Professor
Veterinary Diagnostic Laboratory
Vet Diagnostic & Production Animal Medicine
Iowa State University

Drew Magstadt is a clinical associate professor and veterinary diagnostician at Iowa State University Veterinary Diagnostic Laboratory. In addition to necropsy floor duties, Dr. Magstadt coordinates bovine molecular testing submissions and BVDV testing. His applied research interests include various infectious diseases in production animal species.

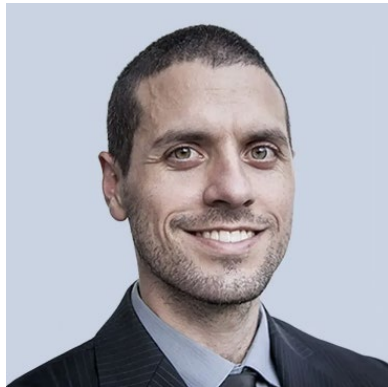


ANTHONY MARESSO, PHD

Professor
Virology and Microbiology
Baylor College of Medicine

Dr. Anthony William Maresso is the Melnick Chair/Professor in Molecular Virology at Baylor College of Medicine (BCM). His research focuses on the study, detection, and generation of therapies and vaccines for microbes. He founded TAILOR Labs, a personalized therapy Center at BCM, and PHIOTEN, a biopharma start-up addressing the growing antibiotic-resistance crisis. He has authored > 80 original papers and 25

research grants totaling \$73 million. Relevant to this symposium, he co-founded TexWEB, a statewide initiative that uses wastewater to track viruses. TexWEB was voted the Medical Breakthrough of the Year in 2024 by STAT News.



MICHAEL MINA, MD, PHD

Chief Science Officer
eMed Digital Healthcare

Dr. Mina is the Chief Science Officer of eMed. Prior to eMed he was a professor of Epidemiology and of Immunology & Infectious Diseases at the Harvard T.H. Chan School of Public Health. He was also a professor in the Department of Pathology at Harvard Medical School and associate medical director of molecular virology at Brigham and Women's Hospital. Dr. Mina's research focused on how vaccines and

infections impact how people's immune systems respond to other infections, and how they impact the epidemiology and spread of infectious diseases, including outbreaks and pandemics. With colleagues at Princeton and the US National Institutes of Health he developed the idea of a Global Immunological Observatory that could serve as a "global weather system for viruses." Dr. Mina's research combines epidemiological and mathematical models, data science, software development, clinical studies, molecular engineering, and the building and development of novel high throughput tools for immunological profiling using phage display, sequencing and molecular engineering. Dr. Mina is the recipient of numerous national and institutional awards for his research, including a recipient of the prestigious NIH Director's Early Independence Award. He was identified by the Economist Magazine as one of 8 Global Progress makers for his global health research and not-for-profit work helping bring clean water to rural areas of the world. He is on the board of directors or the scientific or medical advisory boards of numerous public and private companies.



MARTHA NELSON, PHD

Staff Scientist
National Institutes of Health (NIH)

Dr. Nelson is a Staff Scientist at the U.S. National Institutes of Health. Prior to her current role, Dr. Nelson was an Adjunct Associate Professor at Georgetown University where she taught a graduate seminar. Dr. Nelson earned her Doctor of Philosophy from Penn State University and her Bachelor of Arts from Amherst College.



MATTHEW NONNENMANN, PHD, CIH

Professor, Environmental, Agricultural and Occupational Health
College of Public Health
University of Nebraska Medical Center

Matthew W. Nonnenmann, PhD, CIH, is an industrial hygienist who specializes in measuring and controlling dust and bioaerosols. He joined UNMC in 2023 and is a professor in the Department of Environmental, Agricultural and Occupational Health in the College of Public Health. Dr. Nonnenmann's long-term goal is to protect public health through research that advances the science of exposure assessment and advances the science of characterization and control of bioaerosols. Dr. Nonnenmann has 25 years of experience working as an industrial hygienist in the agricultural and health care sectors, primarily funded through the Centers for Disease Control and Prevention.



DUSTIN OEDEKOVEN, DVM, DACVPM

Chief Veterinarian
South Dakota State Veterinarian
National Pork Board

Dr. Dustin "Dusty" Oedekeoven has been the chief veterinarian for National Pork Board since February 2022. In this role, he leads a team of veterinarians and swine production experts in Pork Checkoff-funded work. Notably, the team collaborates with state and federal health officials, the National Pork Producers Council, Swine Health Information Center, universities and other national organizations to identify and execute strategic action and research to prepare and protect the U.S. herd from African swine fever and other costly threats. Dr. Oedekeoven most recently served as State Veterinarian and Executive Secretary for the South Dakota Animal Industry Board, where he provided strategic leadership and direction for the state's animal health agency – a seven-member, governor-appointed board of livestock producers with responsibility for all animal health programs and disease control

efforts in the state. He received his Doctor of Veterinary Medicine from Iowa State University and Bachelor of Science degree from South Dakota State University. Dr. Oedekoven is a diplomate of the American College of Veterinary Preventive Medicine.



STEPHEN OSTROFF, MD

Public Health and Regulatory Consultant
S Ostroff Consulting

Dr. Ostroff retired from the US Food and Drug Administration (FDA) in 2019 after serving as the agency's Chief Scientist, Deputy Commissioner for Foods and Veterinary Medicine and as the Acting FDA Commissioner on two occasions (in 2015-2016 and 2017).

Dr. Ostroff also worked at the Centers for Disease Control and Prevention (CDC) for more than 20 years on infectious disease surveillance and outbreak investigations, especially

management and coordination of complex emerging infectious disease threats. He served as Associate Director for Epidemiologic Science in the National Center for Infectious Diseases (NCID) and Deputy Director of NCID, attaining the rank of Assistant Surgeon General in the US Public Health Service. Post CDC, Dr. Ostroff performed similar work at the Pennsylvania Department of Health running the Bureau of Epidemiology and serving as the Commonwealth's Acting Physician General. Dr. Ostroff currently holds adjunct faculty appointments at the University of Pittsburgh School of Public Health and Penn State School of Medicine. He also serves on the Board of Trustees of US Pharmacopeia and the Foundation of Council of State and Territorial Epidemiologists.



ERICA PAN, MD

State Epidemiologist
California Department of Public Health

Dr. Pan was sworn in as the Deputy Director of the Center for Infectious Diseases and State Epidemiologist for CDPH on July 13, 2020. From August 2020 through Dec 2020, she served as the Acting California State Health Officer. During her time at CDPH she has provided leadership during COVID-19, Mpox, Ebola planning and more. She also co-chaired the California COVID-19 Community Vaccine

Advisory Committee, chaired the Mpox Scientific Advisory Committee and was grateful to directly hear input from the Western States Scientific Safety Review Workgroup for COVID-19 vaccines. Prior to joining CDPH, Dr. Pan served as the Alameda County Health Officer, the Director of the Division of Communicable Disease Control and Prevention, and Deputy Health Officer at the Alameda County Public Health Department. During her local health department experience in Alameda County & San Francisco, she co-chaired the Association of Bay Area Health Officials Emergency Preparedness Subcommittee and

responded to the 2009 H1N1 pandemic, Zika, Ebola, and measles outbreaks among other infectious disease emergencies.



CHRISTINE PETERSEN, DVM, PHD, FASTMH
Board on Animal Health Sciences, Conservation, and Research

Professor and Associate Dean for Research and Graduate Studies
The Ohio State University

Dr. Christine Petersen's work focused on prevention of zoonotic diseases, primarily epidemiology and immunobiology of vector-borne and parasitic diseases. Dr. Petersen was the scientific program chair for the American Society of Tropical Medicine and Hygiene from 2021-2023.

Dr. Petersen's collaborative group has worked in Brazil, India and Ethiopia via NIH/Fogarty and NIAID-funded studies focused on transmission and host immune susceptibility to zoonoses. Dr. Petersen's published and patented work demonstrates the ability to target reservoir host species for immunologic and parasitologic control of infections to promote disease elimination. Dr. Petersen is Professor at Ohio State University, College of Veterinary Medicine, Fellow of the American Society of Tropical medicine and Hygiene and a member of the National Academy of Medicine.



RAINA PLOWRIGHT, DVM, PHD

Rudolf J. and Katharine L. Steffen Professor
Department of Public and Ecosystem Health
Cornell University

Raina Plowright is the Rudolf J. and Katharine L. Steffen Professor at Cornell University where she also serves as a Cornell Atkinson Scholar at the Cornell Atkinson Center for Sustainability. She received her veterinary degree from the University of Sydney, and her M.S. (epidemiology) and Ph.D. (ecology) from the University of California, Davis. Her research aims to unravel the biological mechanisms

underpinning spillover events to inform prevention strategies. She leads large transdisciplinary collaborations to tackle complex problems regarding emerging disease biology with a focus on WHO-priority pathogens originating in bats. These multiscale studies, connecting sub-cellular to landscape processes, have revealed how land-use change, and climate variation drive the emergence of infectious diseases, and how spillovers can be prevented by addressing the root causes. This work has helped to shape international policy on primary pandemic prevention. Plowright holds roles on several advisory boards, including the National Science Foundation Advisory Committee for Environmental Research and Education, and she is the co-chair of the Lancet Commission on Prevention of Viral Spillover that is convening experts from approximately 20 countries

to develop strategies to reduce the likelihood that viruses from wildlife will be transmitted to humans. She was recently elected to the National Academy of Medicine (2023) and the American Association for the Advancement of Science (2022) for transdisciplinary leadership in the field of emerging disease biology.



KEITH POULSEN, DVM, PHD, DACVIM

Director of the Wisconsin Veterinary Diagnostic Laboratory
Department of Medical Sciences
University of Wisconsin-Madison

Dr. Keith Poulsen earned his DVM and PhD from the University of Wisconsin-Madison in 2004 and 2012. He is a large animal internal medicine specialist and has been a Diplomate of the American College of Veterinary Internal Medicine since 2008. He holds an appointment in Medical Sciences at the School of Veterinary Medicine and is the Director of the Wisconsin Veterinary Diagnostic Laboratory

(WVDL) at the University of Wisconsin-Madison. The WVDL specializes in infectious disease diagnostics and diagnostic testing of cattle and bovine germplasm for international export and trade. Keith is the president of the American Association of Veterinary Laboratory Diagnosticians (AAVLD) and is an active member of their government relations committee. He is also the Chair of the Board of Directors for the International Council of Veterinary Assessment. He represents Wisconsin in the House of Delegates for the American Veterinary Medical Association. Dr. Poulsen is active with service-related projects in the United States, South America, Asia, and Africa that focus on infectious and zoonotic diseases and export market development.



TOM MARSH, PHD, MS

Professor
School of Economic Sciences & Paul G. Allen School for
Global Animal Health
Washington State University

Dr. Thomas L. Marsh is the Distinguished Professor of Agricultural and Resource Economics at Washington State University (WSU). Marsh received a BA in Mathematics at Carroll College and MS degrees in Mathematics and Economics at Montana State University. He then earned a Ph.D. in agricultural economics and MS in Statistics from WSU. Dr. Marsh has worked broadly in the areas of

agricultural economics, natural resource economics, and econometrics; focusing on issues of consumer demand and food safety, trade, energy, and political rent seeking, as well as examining externalities in animal disease, plant health, and plastic pollution in agriculture. Marsh has published more than 100 articles in highly ranked and visible journals, including

in the AJAE, Energy Economics, Food Policy, Global Food Security, JARE, Nature: Ecology & Evolution, Science Advances, Advances in Econometrics, The Lancet, and The Lancet Planetary Health, along with more than 100 additional conference papers and reports. His research includes global collaborations with other social scientists, together with natural and health scientists. Marsh contributes significantly to local, national, and global policy issues, and routinely consults with organizations and governments across the world. His research has been reported by the Wall Street Journal, NPR, and numerous other media outlets. Marsh is an elected member of the Washington State Academy of Sciences (2011), Fellow of the American Association for the Advancement of Science (2015), Fellow of the Western Agricultural Economics Association (2019), and Fellow of the Agricultural and Applied Economics Association (2024).



CARRIE REED, PHD

Branch Chief, Epidemiology & Prevention
Centers for Disease Control and Prevention (CDC)

Dr. Reed is Branch Chief of the Epidemiology and Prevention Branch and was previously an epidemiologist in the Influenza Division at the Centers for Disease Control & Prevention (CDC). She completed a doctorate in Epidemiology at Boston University School of Public Health in 2007, and then joined CDC as an Epidemic Intelligence Service (EIS) Officer in the Influenza Division. She is now a senior epidemiologist on the

Surveillance and Outbreak Response Team in the Influenza Division where she analyzes surveillance data and conducts epidemiologic research on influenza and related complications. Most recently, her work has focused on projects to better characterize the burden and severity of influenza in the United States, during both influenza seasons and pandemics.

JEFF ROOT, PHD

Project Leader, NWRC Wildlife Disease Project
National Wildlife Research Center
United States Department of Agriculture (USDA)

Jeff Root is a Research Wildlife Biologist with the Wildlife Disease, Epidemiology and Response Project of the USDA National Wildlife Research Center. He has worked with a variety of wildlife-associated pathogens during his career and has a keen interest in peridomestic wildlife at the wildlife-livestock interface. At present, his research focuses on avian influenza viruses and SARS-CoV-2 in wildlife.



JONATHAN SAMET, MD, MS

[Indoor Air Management of Airborne Pathogens Workshop,](#)
[Environmental Health Matters Initiative](#)

Professor

Colorado School of Public Health

Jonathan M. Samet, MD, MS, a pulmonary physician and epidemiologist, is the past dean of the Colorado School of Public Health and Professor of Epidemiology and Occupational and Environmental Health. Previously, Dr. Samet held leadership positions at the University of Southern California, the Johns Hopkins Bloomberg School of Public Health, and the University of New Mexico. Dr. Samet received a Bachelor's degree in Chemistry and Physics from Harvard College, an MD degree from the University of Rochester's School of Medicine and Dentistry, and a Master of Science degree in Epidemiology from the Harvard School of Public Health. Dr. Samet has served on and chaired numerous committees of the National Research Council and Institute of Medicine, also chairing the Clean Air Scientific Advisory Committee of the U.S. EPA and the FDA's Tobacco Products Scientific Advisory Committee. Dr. Samet has served as editor and author for Reports of the Surgeon General on Smoking and Health since 1984, receiving the Surgeon General's Medallion in 1990 and 2006 for these contributions. He was the Senior Scientific Editor for the 50th Anniversary 2014 report. He was elected to the National Academy of Medicine (Institute of Medicine) of the National Academies of Sciences in 1997 and received the David M. Rall Medal for his contributions in 2015.

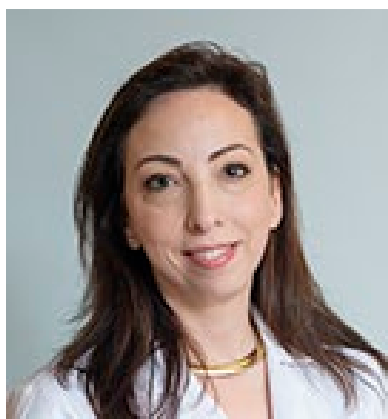


LAUREN SAUER, MSC

Director, Special Pathogens Research Network
University of Nebraska Medical Center

Lauren Sauer is an Associate Professor in the College of Public Health, Department of Environmental, Agricultural, and Occupational Health, at the University of Nebraska Medical Center and both the Interim Associate Director of Research and a Scholar of the UNMC Global Center for Health Security. She is an Adjunct Associate Professor of Emergency Medicine in the Johns Hopkins School of Medicine, with a joint appointment in the Johns Hopkins Bloomberg School of Public Health, department of International Health. She is also an adjunct faculty member of the Boston University Center for Emerging Infectious Diseases Policy and Research. Lauren has been working in the field of disaster and public health emergency research and education for almost two decades and has deployed for over a dozen disaster and emergency responses, and on the US Navy's humanitarian assistance missions Continuing Promise, and Pacific Partnership. For almost a decade, Lauren served as the Assistant Director of Operations for the Johns Hopkins Go Team, a deployable Medical Asset and has worked remotely and on the ground on several disaster responses for them.

including Hurricane Katrina, the 2009 California Wildfires, the Haiti earthquake, the Pakistan floods, and Hurricanes Irma and Maria in the US Virgin Islands. Lauren has advised national governments, research and response networks, and nonprofit organizations on preparedness and response efforts. She has authored over 60 journal articles in the fields of bioemergencies and disaster preparedness and response.



ERICA SHENOY, MD, PHD

Chief of Infection Control
Mass General Brigham

Dr. Shenoy is Chief of Infection Control for Mass General Brigham healthcare system, a large integrated healthcare system with approximately 80,000 employees. In this role, she is responsible for the development and implementation of infection control strategies, policies, and measurement across the Mass General Brigham system. She is an Associate Professor of Medicine at Harvard Medical School and an Infectious Diseases physician at Massachusetts General

Hospital, where she serves as Medical Director of the Regional Emerging Special Pathogens Treatment Center, one of thirteen federally-funded centers with expertise in preparedness and response for emerging pathogens. Dr. Shenoy is a member of the CDC's Healthcare Infection Control Practices Advisory Committee (HICPAC). Dr. Shenoy's research has evaluated the clinical, operational and economic impact of infection control strategies and prevention of healthcare-associated infections through clinical studies and mathematical modeling, use of electronic health records for surveillance, and applied machine-learning techniques. She is the Principal Investigator on a CDC-funded National Infection Prevention and Control and Improving Patient Safety in the United States cooperative agreement focused on innovation in IPC education and clinical decision support. Dr. Shenoy is a fellow of the Infectious Diseases Society of America and the Society for Healthcare Epidemiology of America (SHEA). She is currently Chair of SHEA's Public Policy and Government Affairs Committee and co-chair of the Sterilization and High-Level Disinfection guidelines committee.



JONATHAN SLEEMAN, MA VETMB

[One Health Action Collaborative](#)

Science Advisor, Wildlife Health and Ecology
United States Geological Survey (USGS)

Dr. Jonathan Sleeman is currently a Science Advisor for Wildlife Health for the US Geological Survey. Previous positions include Center Director for the USGS National Wildlife Health Center where he led a team of scientists and support staff to investigate and research wildlife diseases that threaten wildlife populations, public health, and the economy. He received his master's degree in zoology and his veterinary degree from the University of Cambridge, and

completed an internship and residency in zoological medicine at the University of Tennessee. He is a Diplomate of the American College of Zoological Medicine. He has published widely on topics related to wildlife anesthesia, emerging diseases of wildlife, wildlife epidemiology, risk assessment, One Health, and Ecohealth. He holds a variety of leadership positions including a member of the World Organisation of Animal Health's Working Group on Wildlife and the National Academy of Sciences Forum on Microbial Threats. Current interests include development of national wildlife health programs, broad-scale wildlife disease risk assessments, and leadership skills in wildlife health.



TIMOTHY UYEKI, MD, MPH, MPP

Chief Medical Officer, Influenza Division
Centers for Disease Control and Prevention (CDC)

Dr. Tim Uyeki is Chief Medical Officer for the Influenza Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention (CDC). He received a B.A. in Biology from Oberlin College, a medical degree from Case Western Reserve University School of Medicine, a master's degree in public health

(epidemiology) and a master's degree in public policy, both from the University of California, Berkeley. He completed residencies in pediatrics at the University of California, San Francisco (UCSF), and in preventive medicine and public health at UCSF-UC Berkeley, and the CDC Epidemic Intelligence Service applied epidemiology fellowship program. Prior to joining the CDC, he worked as an attending physician at UCSF SFGH for five years, pediatric critical care transport for UCSF for one year, and as a pediatric hospitalist for 2.5 years. Dr. Uyeki has worked at CDC on the epidemiology, clinical aspects, prevention and control of influenza in the U.S. and worldwide since 1998. He is also an Adjunct Associate Professor in the Hubert Department of Global Health, Rollins School of Public Health, Emory University. Dr. Uyeki has served as a consultant to the World Health Organization on clinical and epidemiological issues related to seasonal, zoonotic, and pandemic influenza, including extensive international H5N1 outbreak experience for WHO and CDC in several countries.



MARIA VAN KERKHOVE, PHD, MS

Director (a.i) Epidemic and Pandemic Preparedness and Prevention
World Health Organization

Dr. Maria Van Kerkhove is the Acting Director of the Department of Epidemic and Pandemic Prevention and Preparedness in the Health Emergencies Programme of the World Health Organization. She is also the COVID-19 Technical Lead and has served as the global Incident Manager for mpox for the World Health Organization (WHO).

Maria is an infectious disease epidemiologist educated at Cornell University, Stanford University Medical School and the London School of Hygiene and Tropical Medicine.

She is a global leader in infectious disease epidemiology with more than 20 years of experience in international coordination, management, technical expertise, field studies, and policy development in emerging and re-emerging diseases, including COVID-19, avian and pandemic influenza, MERS, mpox, dengue, Ebola, Marburg, plague, yellow fever, Zika and more. Dr. Maria Van Kerkhove's work focuses on emerging/re-emerging diseases such as avian influenza, MERS, SARS, COVID-19, mpox, Ebola, Marburg, plague and Zika. Her research largely focuses on understanding and mitigating factors that are associated with transmission of zoonotic pathogens between animals and humans, the epidemiology of zoonotic pathogens, and ensuring that scientific research and field experiences directly inform public health policies for action. Van Kerkhove completed her undergraduate degree at Cornell University, an MS Degree in epidemiology at Stanford University Medical School and a PhD in infectious disease epidemiology at the London School of Hygiene and Tropical Medicine. Prior to joining WHO in 2017, she was the Head of the Outbreak Investigation Task Force at Institut Pasteur's Center for Global Health in Paris, where she was responsible for establishing public health rapid response teams for infectious disease outbreaks. Her previous roles include a senior fellow at Imperial College London in the MRC Center for Outbreak Analysis and Modelling and epidemiologist at the Institut Pasteur in Cambodia.



KELLY WROBLEWSKI, MPH

Senior Director of Infectious Disease Programs
Association of Public Health Laboratories (APHL)

Kelly Wroblewski serves as the Senior Director of Infectious Diseases at the Association of Public Health Laboratories. In this role Kelly is responsible for overseeing all of APHL's infectious disease activities and strives to strengthen and expand the role of public health laboratories in addressing infectious disease issues. Kelly has been with APHL since 2008, starting as the Manager of HIV, Viral Hepatitis, STD

and TB Programs before transitioning to the Director position in 2011. Kelly began her career as a medical technologist, working in clinical microbiology laboratories before receiving an MPH from Johns Hopkins Bloomberg School of Public Health.