

## Biographical Sketches of Meeting Attendees



**Colin Basler, DVM, MPH**, 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. Dr. Basler is a diplomat of the American College of Veterinary Preventive Medicine.



research missions.

**Helen Boucher, MD**, has been a member of the Tufts University School of Medicine (TUSM) family since 2002 when she was recruited to the Division of Geographic Medicine and Infectious Diseases at Tufts Medical Center and served as Director of the Infectious Diseases Fellowship for 14 years before being named Division Chief. Most recently, she has been engaged in the COVID-19 response across Tufts Medicine, our health system. In her role as Dean of the School of Medicine, she has had a focus on helping TUSM become an anti-racist organization, and on continued integration with Tuft's affiliate partners to further advance the excellent teaching and research programs. Her role also includes service as the Chief Academic Officer of Tufts Medicine which will provide a unique opportunity to contribute to the growth of Tuft's academic and



health, federal, state, Tribal, local, and territorial partners, and other stakeholders to support innovation and capacity building across the public health workforce. Dr. Burke is committed to strengthening pathways into public health careers and ensuring the workforce is equipped to respond effectively to community needs.

**Emily Burke, EdD, MPH**, serves as Senior Director of Workforce Development and Applied Practice at the Association of Schools and Programs of Public Health (ASPPH). She leads national initiatives that strengthen the public health workforce and advance partnerships between academic institutions, governmental agencies, and community organizations. As the founding director of the ASPPH Center for Public Health Workforce Development, Dr. Burke oversees programs and strategies designed to prepare current and future public health professionals with the skills needed to address evolving population health challenges. Her work focuses on workforce research, academic-practice partnership, workforce development, experiential learning, and credentialing and continuing education in public health. She collaborates closely with schools and programs of public

Dr. Burke holds a Doctor of Education (EdD) from Arizona State University and a Master of Public Health (MPH) from the Drexel University Dornsife School of Public Health.



**Davoren Chick, MD, FACP**, is an internal medicine physician and is Chief Learning Officer and Senior Vice President of Medical Education for the American College of Physicians (ACP). She is responsible for ACP's medical education strategy, products, services, and advocacy. Her ACP portfolio includes the national Internal Medicine Meeting, the Internal Medicine In-Training Examination, clinical skills training, instructional design, educational multimedia, virtual and on-location live courses, CME accreditation, and research. She is also Editor-in-Chief of ACP's Medical Knowledge Self-Assessment Program (MKSAP). Dr. Chick earned her MD from Columbia University and performed internal medicine residency at Massachusetts General Hospital. She has served on the medical school faculty of Harvard University, Michigan State University, and the University of Michigan, holding multiple leadership roles relating to clinical medicine, medical education, hospital administration, and physician coding education. Dr. Chick's many national roles have included Councilor of the Association of Program Directors in Internal Medicine, co-author of the Internal Medicine Milestones, membership with the ACGME Review Committee for Internal Medicine, and member of the American Board of Medical Specialties Vision Commission. She has authored over 100 peer reviewed articles, peer reviewed curricula, and book chapters. She currently practices internal medicine working with residents at Pennsylvania Hospital in Philadelphia, where she is Adjunct Professor of Medicine at University of Pennsylvania Perelman School of Medicine.



**Kristen Clark, DVM, MPH, DACVPM, CCRT**, holds her BS in Zoology and DVM from Iowa State University, her MPH from the University of Minnesota, and is a Diplomate of the American College of Veterinary Preventive Medicine. In addition to working in private veterinary practice, she previously served as an epidemiologist and the foodborne outbreak response coordinator with the Iowa Department of Public Health. She then served in a number of leadership roles as a public health veterinarian at Iowa State University, including most recently as the University's Public Health Coordinator where she coordinated campus public health operations. In 2023, she began serving in her current role as the Director of the Minnesota One Health Antibiotic Stewardship Collaborative (MOHASC) with the Minnesota Department of Health. In this role, Dr. Clark provides leadership and expertise on antimicrobial resistance and collaborates with leaders in human, animal, and environmental health to promote a One Health approach to antimicrobial stewardship. She also recently joined the faculty at the University of Minnesota School of Public Health, Division of Environmental Health Sciences.



**Sanjay Desai, MD, MACP**, is the Chief Academic Officer for the American Medical Association overseeing Medical Education activities for the organization. Dr. Desai joined the AMA in October 2021 from the Johns Hopkins University School of Medicine where he served as a Chief Resident and was the Myron L. Weisfeldt Professor of Medicine, Director of the Osler Medical Residency, and Vice Chair for Education in the Department of Medicine. He is an accomplished clinician, researcher, educator, and administrator with appointments in Pulmonary and Critical Care, General Internal Medicine, as well as with the Carey School of Business. Dr. Desai has been widely recognized for his accomplishments in academic medicine, clinical practice and health systems administration. Dr. Desai was also awarded the highly acclaimed Professors' Award for Excellence in Teaching from the Johns Hopkins University School of Medicine. Dr. Desai grew up in Baltimore, Maryland and graduated summa cum laude from the University of Pennsylvania with a Bachelor of Science in bioengineering and a Bachelor of Economics from the Wharton School of Business in healthcare management. He earned his medical degree from Harvard Medical School and completed his residency and subspecialty fellowship at Johns Hopkins Hospital. Dr. Desai is also a senior advisor for McKinsey & Company, where he also worked as a consultant for a variety of industries in the US and in Southeast Asia.



**Carolyn Dickens, PhD, MBA, ACNP-BC, CNP-FPA, FAANP, FHFSa**, is a nurse practitioner, scholar, and health policy leader serving as Associate Dean for Practice at a multi-campus academic health system in Illinois. Her work focuses on advancing health equity, strengthening academic–practice partnerships, and expanding access to high-quality care for underserved populations. She is actively engaged in interprofessional education initiatives addressing antimicrobial resistance, working across disciplines to improve evidence-based prescribing and patient outcomes. Dr. Dickens holds national leadership roles in nursing advocacy and has led major initiatives in workforce development, quality improvement, and Full Practice Authority implementation. She is widely recognized for her expertise in learning health systems, clinical education innovation, and policy-driven healthcare transformation.



**Tracey Dutcher, DVM, MS, DACVPM**, is an Assistant Director (acting) for DHS' Office of Health Security (OHS). In this role, she provides leadership and critical interagency and interdisciplinary experience, knowledge, and technical insight to guide OHS' Health, Food, and Agriculture Resilience (HFAR) Directorate and its focus on food and agriculture security as critical components of both health and national security.

An award-winning veterinary epidemiologist with over 20 years of experience in science and policy integration, Dr. Dutcher has a strong operational background in state and federal preparedness and response. During her time with USDA, she developed and implemented a \$300M program for COVID-19 surveillance to support pandemic response and led national biodefense strategy planning efforts. Her work with HFAR includes overseeing the Department's medical countermeasures program, enhancing threat detection and risk assessment, and improving information sharing and coordination to support risk-informed decision making and strengthen operational efforts to protect the nation's health, food and agriculture sectors.

Known as a dynamic public speaker, Dr. Dutcher is also the published author of 17 peer-reviewed papers, a diplomate of the American College of Veterinary Preventive Medicine (ACVPM), and a certified personal coach.



**Victor Dzau, MD**, is President of National Academy of Medicine and Vice Chair of the National Research Council. He is Chancellor Emeritus of Duke University, James B. Duke Distinguished Professor of Medicine, Scientific Director of the Mandel Center for Hypertension Research at Duke, and past CEO of Duke Health System. Previously, he was the Hersey Professor of Theory and Practice of Medicine and Chair of Medicine at Harvard Medical School & Brigham and Women's Hospital, as well as Chair of the Department at Stanford University. His groundbreaking work in cardiovascular medicine laid the foundation for the development of ACE inhibitors — lifesaving drugs used globally to treat hypertension and heart failure. He also pioneered gene therapy for vascular disease.

As a visionary healthcare leader, Dzau has set an inspiring example, developing initiatives to transform and improve healthcare locally and globally. Under his tenure, the NAM has advanced important initiatives such as the Commission on a Global Health Risk Framework, the International Human Gene Editing Initiative, Vital Directions for Health and Health Care, the Grand Challenge in Climate Change and Human Health, and the Action Collaborative on Translating Emerging Science, Technology, and Innovation in Health and Medicine. In 2025, the NAM and the Nigerian Academy of Sciences hosted a workshop in Lagos, *Lessons Learned for Antimicrobial Resistance from Previous International Science Panels*, to explore models, lessons, and frameworks to support actions to address antimicrobial resistance.

A leader in global health, Dzau co-chairs the G20 High-Level Independent Panel on pandemic financing, the Regional Vaccine Manufacturing Collaborative, and the International Pandemic Preparedness Science and Technology Expert Panel, among other activities. He serves on WHO and World Bank's Global Preparedness Monitoring Board, was co-chair

of the G20 Scientific Panel on Global Health Security, the board of IHME and was on the interim board of the Coalition of Epidemic Preparedness and Innovation.



**Lee A. Fleisher, MD, ML**, is Founding Principal and CEO of Rubrum Advising and Emeritus Professor of Anesthesiology and Critical Care. From 2004 through July 2020, he was the Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care and Professor of Medicine at the University of Pennsylvania where he oversaw the delivery of anesthesia care, critical care, and pain management. He is also a Senior Advisor to the Bipartisan Policy Council and Visiting Fellow of the Duke-Margolis Center for Health Policy, Senior Advisor for FasterCures at the Milken Institute, a member of the Health IT Advisory Committee (HITAC) of the Office of the National Coordinator (ONC) and the AHA Patient Safety Initiative.. He was the former Chief Medical Officer and Director of the Center for Clinical Standards and Quality at the Centers for Medicare & Medicaid Services (CMS) from 2020-2023. In his CMS role, Dr. Fleisher was responsible for executing all national clinical, quality, and safety standards for healthcare facilities and providers, as well as establishing coverage determinations for items and services that improve health outcomes for Medicare beneficiaries. Dr. Fleisher has received numerous honors including being elected to membership of the National Academy of Medicine (formerly Institute of Medicine) of the National Academy of Sciences in 2007 and serves on multiple Committees including the Board on Health Care Services. He received the Distinguished Alumni Award from SUNY in 2011. He received the Lindback Award for Distinguished Teaching from the University of Pennsylvania in 2016. He is an Affiliated Faculty of the Quattrone Center for the Fair Administration of Justice and completed a Masters in Law at the University of Pennsylvania Carey Law School.



**Elena Fuentes-Afflick, MD, MPH** leads AAMC programs that support medical research and the training of physician-scientists and researchers in academic medicine as chief scientific officer. In this role, she provides leadership and vision for addressing research and science policy and other related critical issues facing academic medicine, medical schools and academic health systems. Before joining the AAMC, Dr. Fuentes-Afflick served as professor of pediatrics at the University of California, San Francisco (UCSF) and vice dean for the UCSF School of Medicine at Zuckerberg San Francisco General (ZSFG) Hospital. She previously served as chief of pediatrics at ZSFG and vice dean for academic affairs for the UCSF School of Medicine.

Dr. Fuentes-Afflick's scholarly work has focused on the broad themes of Latino health, acculturation, immigrant health, health disparities, faculty misconduct, faculty development, and diversity in academic medicine. She has outlined strategies to advance diversity in pediatrics and academic medicine. Dr. Fuentes-Afflick has served in national leadership roles as council member and president for both the Society for Pediatric Research and the American Pediatric Society. In 2010, she was elected to membership in the National Academy of Medicine and has served on numerous consensus committees, the membership committee, and the diversity committee; was elected to the governing council and the executive committee of council; and was elected home secretary. In 2020, Dr. Fuentes-Afflick was elected to the American Academy of Arts and Sciences. In 2023, she was awarded the Joseph W. St. Geme, Jr. Leadership Award from the Federation of Pediatric Organizations for sustained, impactful contributions to child health. Dr. Fuentes-Afflick earned her undergraduate and medical degrees at the University of Michigan and a master's degree in public health (epidemiology) from the University of California, Berkeley. She completed her pediatric residency and chief residency at UCSF and later pursued a research fellowship at the school's Philip R. Lee Institute for Health Policy Studies.



**Erika Ganda, DVM, PhD**, is an Associate Professor of Food Animal Microbiomes in the Department of Animal Science at Penn State University. Her research uses One Health principles to investigate how microbial communities, foodborne pathogens, and antimicrobial resistance circulate across livestock systems, companion animals, and the environments they share with people. Trained as both a veterinarian and microbiome scientist, she integrates genomics, microbiome profiling, and field-based studies to understand how pathogens, commensals, and resistance determinants move through animals, their environments, and the food supply.

Her research group develops and applies sequencing-based surveillance and computational approaches to improve detection of foodborne pathogens, characterize resistomes, and evaluate alternatives to antibiotics in dairy and poultry systems. She collaborates with producers, industry partners, and public health agencies to translate microbiome and AMR science into actionable strategies that improve animal health outcomes, reduce reliance on antibiotics, and enhance the safety and sustainability of animal-sources foods.

At Penn State, she leads interdisciplinary teaching and outreach efforts on animal microbiomes, One Health, and responsible antimicrobial use. Her work directly supports evidence-based strategies for mitigating microbial threats while maintaining productive and sustainable livestock systems. Dr. Ganda maintains collaborative programs in the United States, Kenya, and Brazil aimed at strengthening microbiome research, AMR surveillance capacity, dairy value-chain safety, and One Health training.



**Wondwossen Gebreyes, DVM, PhD**, is a Hazel C. Youngberg Distinguished tenured and active Full Professor and Executive Director of the Global One Health initiative (GOHi) at The Ohio State University. Dr. Gebreyes has been a leader in molecular epidemiology of infectious zoonotic diseases. He led several programs funded through the NIH, CDC, USAID, Gates Foundation, CDC Foundation, RESOLVE to Save Lives among others. Besides research, he led global capacity building efforts teaching molecular epidemiology in more than 10 countries and also establishing genomic and genotyping laboratory capacities. Dr. Gebreyes serves in national and international Advisory capacities for various governments and entities including Brazil CAPES, Ethiopian Ministry of Science and Higher Education as well as review panels for Austria, Poland, and Qatar among

others. Dr. Gebreyes leads global outreach efforts addressing issues at the interface of Humans, animals, plants and the environment (ICOPHAI). Dr. Gebreyes is a recipient of the APLU Michael P. Malone International Leadership Award; NIH Gold Medallion; Universitas 21 Best Internationalization Model; NC State University Distinguished Alumni award; Andrew Heiskell Award (honorable mention) by the Institute of International Education (IIE). Dr. Gebreyes is a member of the National Academy of Medicine; also inducted as inaugural member of the National Academy of International Education.



**Gordon Gillespie PhD, DNP, RN**, has been a registered nurse for nearly 30 years working in emergency department, public health, and academic settings. His research on workplace violence against healthcare workers has been funded by the CDC-National Institute for Occupational Safety and Health (NIOSH), Robert Wood Johnson Foundation, American Nurses Foundation, and Emergency Nurses Association Foundation. He has been invited by the CDC-NIOSH to develop an educational program on workplace bullying and consult on two national online learning modules. His work has been cited by the U.S. Occupational Safety and Health Administration, U.S. Government Accountability Office, American Nurses Association, and practitioners and researchers across five continents. He chaired the national workplace violence conference, guest edited two

interprofessional journal issues on workplace violence, co-chaired the Registered Nurses' Association of Ontario's second edition of the Best Practice Guideline "Preventing and Managing Bullying and Violence in the Workplace", and served as an international Director of the Emergency Nurses Association. In 2024, he received the Lifetime Achievement

Award from the Emergency Nurses Association. Currently he is the Chief Program Officer for the National League for Nursing and an adjunct professor at the University of Cincinnati College of Nursing.



**Tracey Goldstein, PhD**, is the director of the Colorado State University One Health Institute and Professor in the Department of Microbiology, Immunology and Pathology. Tracey has over 25 years of experience leading One Health, marine mammal, infectious disease and conservation work and has worked with global programs since 2009. Before joining CSU, she was the Division Chief for the Emerging Threats Division, Bureau for Global Health at USAID since 2020, where she led the Global Health Security Program. In her previous position, she was a Professor in the Department of Pathology, Immunology, and Microbiology and Associate Director of the One Health Institute at the University of California, Davis, since 2008.



**Bruno Gonzalez-Zorn, DVM, PhD**, is full Professor and Head of the Antimicrobial Resistance Unit (ARU) at the Complutense University in Madrid, a multidisciplinary laboratory he founded in 2005 and has brought One Health to the forefront of research on antimicrobial resistance. His work addresses antimicrobial resistance as an ecological phenomenon linking human, animal, and environmental health, and examines how antibiotic use, reservoirs, and transmission networks relate to AMR dynamics. He has been an advisor to the World Health Organization (WHO) on antimicrobial resistance and One Health since 2021. In 2024, he was appointed Chair of One Health within the European university alliance Una Europa and an Expert Advisor to the European Public Health Alliance (EPHA). He has also received an honorary doctorate in Ghana and is listed

in the Stanford–Elsevier World’s Top 2% Scientists world-wide. His research focuses on the flux of antimicrobial resistance genes and bacteria between humans, animals and the environment. He gained his DVM in 1996 studying in Spain and Germany and his European PhD in 2001. After his Postdoc at the Pasteur Institute in Paris he received a Ramon y Cajal tenure-track contract from the Spanish Ministry of Science to return to Spain. In 2011 he was awarded the National Microbiology Award, from the Spanish Society for Microbiology, the National Antimicrobial Resistance Research Award for his research on mcr-1 and waste-water from the Ministry of Health in 2018. In 2011 he was elected member of the Scientific Advisory Board of the JPI AMR, co-authoring the first two Strategic Research Agendas. He is the former President of the Molecular Microbiology Group of the Spanish Society for Microbiology and Head of Department. Gonzalez-Zorn has lead projects with the US, Latin America, Africa and Asia on molecular microbiology and the ecology of antimicrobial resistance, and has collaborated with Research Institutions world-wide. Gonzalez-Zorn works on the National Action Plan against Antimicrobial Resistance, and has advised Governments world-wide in the implementation of the One Health approach in their Action Plans.



**Elizabeth D. Hermsen, PharmD, MBA, CMD, FIDP, FIDSA** is a Medical Affairs Executive Director at Genentech with over 20 years of experience spanning clinical pharmacy practice and academia at Nebraska Medicine / University of Nebraska Medical Center and field, US, and global roles in the pharmaceutical industry across Medical Affairs, Outcomes Research, Population Health, and Health Equity. She received her Doctor of Pharmacy degree from the University of Nebraska Medical Center followed by a pharmacy practice residency at Nebraska Medicine, a fellowship in Infectious Diseases Research at the University of Minnesota, College of Pharmacy, and a master’s degree in business administration at the University of Minnesota, Carlson School of Management. Following her fellowship, Dr. Hermsen developed and led the antimicrobial stewardship

program at Nebraska Medicine and subsequently joined Cubist Pharmaceuticals, where she pioneered a new role focused on collaborative, real-world outcomes research and led the above-brand infectious diseases strategy and operations. Elizabeth later transitioned into global roles where she spearheaded the development and implementation of enterprise-wide, above-brand infectious diseases strategies at both Merck and Pfizer. Dr. Hermsen then moved into a

cross-portfolio role at Pfizer where she partnered with Global and US asset teams to create integrated launch strategies, including brand strategy, scientific engagement, access plans, and evidence generation. Now as a Medical Affairs Executive Director at Genentech, Elizabeth is responsible for developing and implementing cross-portfolio medical strategies to enhance patient outcomes, advance healthcare delivery, and improve patient access in partnership with health systems, payers, patient advocacy groups, and health policy leaders.

Dr. Hermesen is certified in Medicines Development, is a Fellow of the Society of Infectious Diseases Pharmacists and the Infectious Diseases Society of America and has contributed to the profession with more than 100 invited presentations, including a TEDx talk, and over 50 peer-reviewed publications and book chapters.



**Kent E. Kester, MD**, is currently Executive Director Vaccine Research and Development at CEPI. Kent leads the CEPI team working to develop novel countermeasures and rapid response vaccine platforms to facilitate equitable access to those most in need, in support of the 100 Days Mission. During a 24-year career in the US Army, Kent worked in clinical vaccine development and led research platforms at the Walter Reed Army Institute of Research, the U.S. Department of Defense's largest biomedical research laboratory with focus on emerging infectious diseases, an institution he later led as its Commander. He has also held leadership roles in translational medicine at Sanofi Pasteur (now Sanofi Vaccines) and IAVI. Kent holds an undergraduate degree from Bucknell University and an M.D. from Jefferson Medical College, completing his internship and

residency in internal medicine at the University of Maryland and a clinical and research fellowship in infectious diseases at the Walter Reed Army Medical Center. He is a fellow of the American College of Physicians, the Royal College of Physicians of Edinburgh, the Infectious Disease Society of America, the American Society of Tropical Medicine and Hygiene, and the Royal Society for Public Health. He has previously served as a member of the Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria, the FDA Vaccines & Related Biologics Products Advisory Committee, the NIAID Advisory Council, the VA National Research Advisory Council, and the CDC Office of Infectious Diseases Board of Scientific Counselors. He is a member of the clinical faculty at the University of Maryland Medical Center in Baltimore and the Wilkes-Barre VA Medical Center in Wilkes-Barre, PA and holds academic appointments at both the Uniformed Services University School of Medicine and the University of Maryland School of Medicine.



**Lonnie King, DVM, MS, MPA**, is an Academy Professor and Dean Emeritus in the College of Veterinary Medicine at the Ohio State University (OSU). He previously served as OSU's Vice-President for Agriculture and was the first Director for the National Center for Zoonotic, Vector-borne, and Enteric Diseases at the Centers for Disease Control and Prevention and the administrator of the U.S. Department of Agriculture's Animal Plant Health Inspection Service (APHIS) where he also was the nation's Chief Veterinary Officer for five years. King's research interests and expertise include emerging infectious diseases, zoonotic diseases, antimicrobial resistance, food safety and security, global health, One Health, and leadership development. He received an honorary degree from Tufts University in 2022, was awarded the Global One Health Award from the World

Veterinary Medical Association, and the Meritorious Award from the World Organization for Animal Health. King received a B.S. and DVM from OSU, an M.S. in epidemiology from the University of Minnesota, and an MPA from American University. He is boarded in the American College of Veterinary Preventive Medicine and completed the Senior Executive Fellowship in leadership from Harvard University. He has served on numerous National Academy consensus study committees as well as the Forum on Microbial Threats and the One Health Action Collaborative.



**Suresh Kuchipudi, PhD, MVSc, DipACVM, MBA**, is the Professor and Chair of Infectious Diseases and Microbiology at the University of Pittsburgh School of Public Health. His work focuses on emerging, zoonotic, and antimicrobial-resistant threats through a One Health lens that links animal, human, and environmental health. His group combines bench microbiology with computational tools, including AI, machine learning, and multi-omics, to understand how pathogens cross species barriers, adapt to new hosts, and affect food systems and public health. He has contributed to national antimicrobial resistance (AMR) surveillance efforts and worked with federal agencies and industry partners on AMR initiatives. He chairs the Research Committee of the Pennsylvania One Health Consortium, where AMR is a major focus area. A diplomate of the American

College of Veterinary Microbiology (virology and immunology), Kuchipudi is a veterinary clinician with a master's degree in microbiology, a PhD in virology, and an MBA.



**Maureen Lichtveld, MD, MPH**, a member of the National Academy of Medicine (NAM), is Dean of the School of Public Health, the Jonas Salk Chair in Population Health, and Professor of Environmental and Occupational Health at the University of Pittsburgh with over 35 years of expertise in environmental health. As Dean, Dr. Lichtveld oversees seven academic departments, 1,200 students, 165 faculty and 320 staff. Her research focuses on environmentally induced disease, community-engaged environmental epidemiology studies, health disparities, climate and health, environmental health policy, disaster preparedness, public health systems and community resilience. Her expertise in climate and health is locally, nationally, and globally recognized. She is actively involved in Caribbean-wide climate and health research and research training examining the impact

of climate change and associated contamination of seafood as a food safety and security issue, and climate adaptation associated with the impact of coastal erosion on forced migration of indigenous nations, including pregnant women with minimal access to health services. She provides technical expertise to several NAM and NASEM committees, including the NAM Grand Challenge in Climate and Health, HMD Boards, Roundtables, and Committees. She is a member of the National Research Council. Dean Lichtveld is the past-Chair of the Consortium of Universities for Global Health. She has co-authored the textbook on Environmental Policy and Public Health. Honors include Johns Hopkins University Society of Scholars, CDC Environmental Health Scientist of the Year, and Woman of the Year of the City of New Orleans for contributions to science.



**Philip Mathew, MD**, is a public health physician working as a Technical Officer with the AMR Department of the World Health Organization (WHO) Headquarters. At WHO, Philip is responsible for strengthening training and education on AMR for healthcare workers and increasing the collaboration between WHO and civil society on AMR. He has previously served as an Advisor at the International Centre for Antimicrobial Resistance Solutions (ICARS), Deputy Director of ReAct Asia Pacific, Associate Professor at Pushpagiri Medical College, India, and Secretary of the India Clinical Epidemiology Network. His research interests include antimicrobial resistance, access to medicines and health systems strengthening.



**Victoria McGovern, PhD** has built high-impact programs in science philanthropy for more than twenty years. She is currently the Chief Strategy Officer at the Burroughs Wellcome Fund, working to extend the Fund's impact in new directions by building partnerships, creating new programs, and working across the organization to promote creative program development and effective grantmaking. She also serves as the Gertrude Elion Endowed Program Officer, managing the Fund's research investments in infectious diseases and in climate change and human health, as well as its policy and practical investments in understanding and enhancing the career development of newly trained scientists. She is a biochemist with scientific interests in how potentially-infectious microbes sense and react to

their environments.

Victoria is a past chair of Sigma Xi's Committee on Public Understanding of Science, was one of the original writers for Science's Next Wave (now Science Careers), and is currently one of the contributors to the Graduate Career Consortium's Carpe Careers column at Inside Higher Education. She serves on the National Postdoctoral Association's advisory board. She earned bachelors degrees in Biology and English at Washington University in St. Louis and her doctorate at the University of Alabama at Birmingham. She is a fellow of the American Society of Microbiology, the American Society of Tropical Medicine and Hygiene, and the Royal Society of Tropical Medicine.

The Burroughs Wellcome Fund serves and strengthens society by nurturing a diverse group of leaders in biomedical sciences to improve human health through education and powering discovery in frontiers of greatest need.



**Jomana Musmar, PhD, MS**, is a distinguished global policy expert and result-oriented leader with decades of intimate government experience within the U.S. Departments of Health and Human Services (HHS), Defense (DoD), and Agriculture (USDA). She excels in cross-functional coordination, strategic planning, operational design, and policy execution. Dr. Musmar is the Founder of Advisors of Global Health (AGH), a consulting firm specializing in government and external affairs, policy and product development, and coalition building. She also Co-Founded and serves as the Chief Executive Officer of the Antimicrobial Strategic Coalition (ASC), an independent organization that leads cross-sector coordination to establish a unified stance on US-based policy positions on Antimicrobial Resistance (AMR) across the One Health spectrum.

Dr. Musmar concurrently serves as Leadership Council Member at The National Institute of Antimicrobial Resistance Research and Education (NIAMRRE), on several global AMR planning committees including the National Academies of Sciences, Engineering, and Medicine, and is an Honorary Senior Lecturer at the University of Bristol in the UK.

Dr. Musmar holds a Ph.D. in Biodefense and International Security from George Mason University, a Master's degree in Biomedical Science policy and Advocacy from Georgetown University, and is a Lean Six Sigma Black Belt. Fluent in English and Arabic, she is a sought-after speaker and advisor, having represented the United States at premier global health conferences. Her published works on AMR, pandemic preparedness, and national health security policy underscore her reputation as a thought leader and innovator in public health and biodefense.



**Benjamin O'Kelley, DVM, DACVECC**, is a small animal emergency and critical care specialist veterinarian with over 20 years of experience working in small animal hospitals. Over the past six years, Dr. O'Kelley has helped to lead antimicrobial stewardship and infection prevention and control efforts across the nearly 100 North American specialty and emergency hospitals in the Mars Veterinary Health (MVH) network. More recently, Dr. O'Kelley has begun to expand these activities to the over 3,000 veterinary hospitals across Mars Veterinary Health's global network.

Outside of MVH, Dr. O'Kelley has collaborated with veterinary universities and other groups – such as the Companion Animal Antimicrobial Stewards group and the National

Institute for Antimicrobial Resistance Research and Education – to advance AMR-related educational content through a One Health lens.



**Paul Plummer, DVM, PhD**, is Dean of the UT College of Veterinary Medicine. He also serves as Chair of the Presidential Advisory Council on Combatting Antimicrobial Resistant Bacteria and as Executive Director of the National Institute of Antimicrobial Resistance Research and Education. He previously served as the associate dean of research and graduate studies for the College of Veterinary Medicine at Iowa State University as well as a professor and Anderson Endowed Chair in Veterinary Sciences in the Department of Veterinary Diagnostic and Production Animal Medicine.

A third-generation University of Tennessee, Knoxville, alumnus, Dr. Plummer graduated with a bachelor's degree in microbiology in 1999 and earned his DVM from the UT College of Veterinary Medicine in 2000.



**Amy Pruden, PhD**, is the W. Thomas Rice Professor and University Distinguished Professor in the Department of Civil and Environmental Engineering at Virginia Tech University, USA. She earned her B.S. in Biological Sciences and her PhD in Environmental Science, both at the University of Cincinnati. Her research and teaching focus on bringing a microbial ecological perspective to advancing control of pathogens and antibiotic resistance in the design and management of water, wastewater, and recycled water systems. Pruden is widely known for her research on antibiotic resistance genes (ARGs) as environmental contaminants and is currently engaged in research aimed at advancing metagenomic approaches for surveillance of pathogens and antimicrobial resistance in sewage. She also led a USDA project on identifying opportunities to reduce risk of AMR transmission along the "farm-to-fork" continuum, ranging from antibiotic use in livestock, livestock manure management, soil amendment practices, crop selection, and post-harvest washing and packaging. Pruden was a co-lead author of the Quadripartite *Bracing for Superbugs* report, which establishes the state of the knowledge on environmental dimensions of antimicrobial resistance and corresponding policy guidance for National Action Plans for combatting antimicrobial resistance within a One Health framework. Pruden has served on several USA National Academy of Sciences Engineering and Medicine (NASEM) committees and currently serves on the Water Science and Technology Board (WSTB). She is currently the PI of an NSF Research Traineeship (NRT) on Convergence at the Interfaces of Policy, Data Science, Environmental Science and Engineering to Combat Antimicrobial Resistance (CIP-CAR), prepping students for transdisciplinary careers spanning academia, industry, governmental, and non-governmental agencies. In 2025, Pruden chaired the Gordon Research Conference on Microbiology of the Built Environment and in 2026, she will co-chair the Programme Committee of the International Water Association World Water Congress, which will be held in Glasgow, Scotland. Pruden is the recipient of several awards, including the Presidential Early Career Award in Science and Engineering, the Paul L. Busch Award for innovation in water research, and the Recipharm International Environmental Award, the International Water Association/International Society of Microbial Ecology Joint Biocluster Grand Prize, and is a fellow of the International Water Association.



**Kelly Ragucci, PharmD, FCCP, FNAP, BCPS**, received her undergraduate pharmacy degree from Ohio Northern University in 1995 and her Doctor of Pharmacy degree from the University of Toledo in 1997. Subsequently, she completed a clinical pharmacy residency in Family Medicine at the Medical University of South Carolina. Kelly was a faculty member at Wilkes University for 2 years and then on faculty at MUSC for 19 years. She served as Assistant Dean for Curriculum for 4 of those years and as Department Chair of Clinical Pharmacy and Outcomes Sciences for 6 years. She is currently Senior Vice President/Chief Academic Officer with the American Association of Colleges of Pharmacy. Her teaching and research interests include interprofessional education, the

scholarship of teaching and learning, educational technology, and women's health. Dr. Ragucci was a finalist for the South Carolina Governor's Teacher of the Year Award in 2013, recipient of the American College of Clinical Pharmacy's Education Award in 2015, recipient of the MUSC Teaching Excellence Award for Educator-Lecturer in 2012, and recipient of the MUSC Outstanding Clinician Award in 2011. She was also named Preceptor of the Year in 2006 and has been named Professor of the Year 10 times over her career. Dr. Ragucci has published over 70 peer-reviewed publications and book chapters. She is a Fellow of the American College of Clinical Pharmacy and the National Academies of Practice. She is also a Board-Certified Pharmacotherapy Specialist. She is an active member of a variety of professional organizations, including AACP, ACCP, APhA, and IPEC.



**Steven Roach, MA**, has led the Safe and Healthy Food Program of Food Animal Concerns Trust, an advocacy organization that promotes humane farming and the safe production of animal products, since 2001. His work at Food Animal Concerns Trust uses a One Health approach to reduce the negative human health impacts of animal agriculture including antimicrobial resistance. He is also a Senior Analyst for Keep Antibiotics Working, a coalition of 19 health, consumer, and environmental advocacy organizations that have joined forces to combat the inappropriate use of antibiotics in food animals. He represented Consumers International at the Codex Committee on Residues of Veterinary Drugs in Food and at the Codex Ad hoc Task force on Antimicrobial Resistance. He served on the World Health Organization Advisory Group on Integrated Surveillance of Antimicrobial Resistance. He helps develop and coordinate policy positions on antimicrobial resistance with dozens of advocacy organizations that are concerned about the impact of resistance on human health. He is a citizen of the Shawnee Tribe and a community language preservationist for the Tribe's language program. He has an undergraduate degree in physics and philosophy and a M.A. in anthropology.



**P. David Rogers, PharmD, PhD**, is currently Member and Chair of the Department of Pharmacy and Pharmaceutical Sciences at St. Jude Children's Research Hospital where he also holds the St. Jude Endowed Chair in Pharmaceutical Sciences. He received his Pharm.D. from the University of Tennessee, and M.S. and Ph.D. (in Microbiology and Immunology) from the University of Mississippi. He completed residency in pharmacy practice (PGY1) at the Regional Medical Center, Memphis, and residency (PGY2) and clinical fellowship in infectious diseases pharmacy practice at the University of Mississippi Medical Center. Prior to joining the faculty at St. Jude, he was Professor of Clinical Pharmacy and Translational Science at the University of Tennessee College of Pharmacy. There he also held the First Tennessee Endowed Chair of Excellence in Clinical Pharmacy, served at various times as Vice Chair of the Department of Clinical Pharmacy and Translational Science, Associate Dean for Clinical and Translational Research, and Director of the UTHSC Center of Excellence for Pediatric Experimental Therapeutics. He is an elected Fellow of the American College of Clinical Pharmacy (ACCP) and of the American Academy of Microbiology (American Society for Microbiology) and is an elected Member of the National Academy of Medicine. He has served on the Board of Trustees for the ACCP Research Institute and ACCP Foundation, the Board of Directors for the Society of Infectious Diseases Pharmacists. He served as a member of the NIH Drug Discovery and Mechanisms of Antimicrobial Resistance (DDR) Study Section and currently serves as an Ex Officio Member of the National Academies of Science, Engineering, and Medicine Forum on Microbial Threats. He is a recipient of both the ACCP Russell R. Miller Award and the ACCP Therapeutic Frontiers Lecture Award. For over 25 years his research program has focused on improving antifungal pharmacotherapy through the study of how pathogenic fungi respond and develop resistance to antifungal agents. He has authored over 330 publications and scientific abstracts and has received grant funding from foundations, industry, and the NIH.



**Brian Sick, MD, MHA, FACP, FNAP**, is a Professor of Medicine and Pediatrics and Vice Chair of Faculty Affairs in the Department of Medicine. His research, educational work, and leadership as a faculty member is within the fields of interprofessional education and One Health at the University of Minnesota where he serves as the Vice Provost for the Academic Health Sciences and Co-Director for the Center for Interprofessional Health. He is originally from Rochester, New York where he completed both his bachelor's and medical degrees at the University of Rochester. His academic interests include interprofessional education, history of medicine, chronic care medicine and clinical quality improvement. His clinical interests include preventative medicine and primary care for the whole family.



**Dawn M. Sievert, PhD, MS**, is the Senior Science Advisor and Science Team Lead of the Antimicrobial Resistance Coordination and Strategy Unit in the National Center for Emerging and Zoonotic Infectious Diseases at the Centers for Disease Control and Prevention. She leads strategic direction, coordination, and investments of CDC's cross-cutting scientific antimicrobial resistance (AR) activities and her work ensures that AR projects and collaborations across the agency are appropriate and consistent with CDC scientific vision and priorities. As part of this role, Dr. Sievert provides the scientific leadership for CDC's domestic AR Laboratory Network and Global AR Laboratory & Response Network.

Dr. Sievert has over 20 years of experience working on AR. In her 16+ years at CDC, she previously served as the Associate Director for AR in CDC's Division of Foodborne, Waterborne, and Environmental Diseases and as the Deputy Chief of Surveillance Branch in CDC's Division of Healthcare Quality Promotion, where she provided scientific leadership for CDC's National Healthcare Safety Network. Prior to CDC, Dr. Sievert's work experience includes AR program lead at a U.S. state health department, laboratory researcher and quality improvement/infection control coordinator at two major U.S. healthcare systems, and chief scientist for a consulting company focused on new models of electronic automation and health information exchange in medicine and public health.



**Anthony D. So, MD, MPA**, is Distinguished Professor of the Practice and Founding Director of the Innovation + Design Enabling Access (IDEA) Initiative in the Department of International Health at the Johns Hopkins Bloomberg School of Public Health. He also serves as Head of the Secretariat for the Antibiotic Resistance Coalition, an intersectoral alliance of civil society groups and the South Centre, an intergovernmental think tank for 55 developing countries. He served as one of the Co-Conveners of the UN Interagency Coordination Group on Antimicrobial Resistance that delivered recommendations to the UN Secretary General in 2019. He was a co-lead author of the UN Environment Program's global spotlight report on the environmental dimensions of AMR in 2023.

He previously contributed to the Lancet Infectious Diseases Commission on Antibiotic Resistance, the Chatham House Working Group on New Business Models for Antibiotics, and the Antibiotic Working Group of the U.S. President's Council of Advisors in Science and Technology. He has served as Co-Chair of the WHO Technical Working Group aligning pharmaceutical innovation incentives to achieve fair pricing for the 2021 WHO Fair Pricing Forum and currently is a member of the WHO Technical Working Group on Market Access to Vaccines. Professor So conducted research on reengineering how antibiotics are brought to market as a recipient of the Robert Wood Johnson Foundation Investigator Award in Health Policy Research.



**Terrie Taylor, DO** is a clinical investigator who lived and worked in Malawi, studying the pathogenesis of severe pediatric malaria, from 1986 until 2025. The Blantyre Malaria Project, established by Dr. Taylor and Malcolm Molyneux, has carried out outstanding research and patient care in the area of pediatric malaria, specifically cerebral malaria. She is now a Senior Advisor to the Dean of the College of Osteopathic Medicine at Michigan State University, and President of the American Society of Tropical Medicine and Hygiene --- and is still traveling to Malawi.



**Siddhartha "Sid" Thakur, PhD, DVM, MVPH**, is the Executive Director of Global One Health Academy and Professor of Molecular Epidemiology at the College of Veterinary Medicine at NC State. He is responsible for expanding NC State's One Health research, education and engagement efforts and developing evidence-based recommendations for tackling current and future global threats. He is an NC State Chancellor faculty scholar. He received his Degree in Veterinary Medicine and Master of Veterinary Public Health from India and his Ph.D. from NC State.

His research focus is to fill critical knowledge gaps in the complex chain of events leading to the development, dissemination, and persistence of antimicrobial-resistant (AMR) bacterial foodborne pathogens at the interface of humans, animals, plants, and the environment. He is an NC State Chancellor faculty scholar. He has won numerous awards, including the Larry Beuchat Young Researcher Award by the International Association for Food Protection and

the Outstanding Global Engagement award by NC State. Dr. Thakur has authored or co-authored 80 peer-reviewed publications and edited two books on Food Safety.



**Dimitra Travlos, PharmD, FNAP**, is Assistant Executive Director of ACPE and Director, Continuing Pharmacy Education (CPE) Provider Accreditation at the Accreditation Council for Pharmacy Education (ACPE). Dr. Travlos' responsibilities include administration of evaluative processes in CPE and interprofessional continuing education (IPCE), provision of staff support and consultative guidance on activities relating to accredited providers, provision of educational workshops, and support for a quality assurance process for CPE and continuing professional development (CPD). She manages ACPE's CPE collaborative relationships, including collaboration with colleague accreditors, Accreditation Council for Continuing Medical Education and American Nurses Credentialing Center for Joint Accreditation of Providers for Interprofessional Continuing Education™ and collaboration

with pharmacy's regulatory body, National Association Boards of Pharmacy, for the repository of pharmacy CE credit, CPE Monitor™. She holds a Doctor of Pharmacy degree from University of Illinois College of Pharmacy and completed a Residency/Fellowship in Nephrology/Organ Transplantation from the University of Illinois Hospitals and Clinics.



**Sue VandeWoude, DVM**, is the Dean of the College of Veterinary Medicine and Biomedical Sciences, as well as a University Distinguished Professor in the Department of Microbiology, Immunology, and Pathology at Colorado State University (CSU). A veterinary virologist, Dr. VandeWoude is recognized for her research on the biology, pathogenesis, and ecology of viral infections in felids. Her laboratory has made significant contributions to understanding cross-species transmission of feline viruses, including Feline Immunodeficiency Virus (FIV) and Feline Leukemia Virus (FLV), as well as the role of host resistance in disease outcomes.

Dr. VandeWoude earned her bachelor's degree in chemistry at the California Institute of Technology and her doctorate in veterinary medicine at Virginia-Maryland Regional College of Veterinary Medicine,

after which she completed a postdoctoral fellowship in Comparative Medicine at The Johns Hopkins University. She is a Diplomate of the American College of Laboratory Animal Medicine (ACLAM) and has held numerous leadership roles in laboratory animal science and comparative medicine, including serving as Director of CSU's Laboratory Animal Resources where she initiated the university's Comparative Medicine Training Program.

Dr. VandeWoude is an advocate for veterinary involvement in research, and in collaborative, team-based multidisciplinary science. She was elected to the National Academy of Sciences in 2019, and has served on multiple expert panels, study sections, and as a leader in professional organizations supporting veterinary medicine and biomedical sciences. In 2022, she became the 11th Dean of CSU's College of Veterinary Medicine and Biomedical Sciences and is the first woman to hold this position. In her spare time, she likes to bike ride, raises domestic heritage breed turkeys, and, in a violation of best practices at the wildlife-domestic interface, admires the wild turkeys that come to visit the domestics.