

Security of America's Medical Product Supply Chain

Committee

Wallace J. Hopp

Chair

Wallace J. Hopp, Ph.D.

Associate Professor, Stephen M. Ross School of Business, University of Michigan

Dr. Wallace J. Hopp studies the design, control and management of operations systems, with emphasis on manufacturing and supply chain systems, innovation processes, and health care systems. His teaching and research in these areas has been recognized by a number of awards, including being named a Fellow of IIE, INFORMS, SME, MSOM and POMS, and election to the National Academy of Engineering. He previously served as President of the Production and Operations Management Society (POMS) and Editor-in-Chief of the journal Management Science, and is currently a founding editor of the Management and Business Review. He is an active industry consultant, whose clients have included many Fortune 500 firms.

Mahshid Abir

Member

Mahshid Abir, M.D.

Director, Acute Care Research Unit, University of Michigan

Dr. Abir is an Associate Professor in emergency medicine at the University of Michigan (U-M) and a Senior Physician Policy Researcher at the RAND Corporation. She is the director of the Acute Care Research Unit at the U-M Institute for Healthcare Policy and Innovation. Her health services and policy research focuses on improving acute care delivery along the continuum of care during routine and catastrophic conditions - including in the ambulatory care, prehospital, emergency department, and inpatient settings. She has been an integral member of teams of researchers at RAND developing the various aspects of the National Health Security Strategy funded by the Department of Health and Human Services (HHS), Office of the Assistant Secretary for Preparedness and Response (ASPR), developing tools to measure hospital and healthcare coalition surge capacity in response to mass casualty incidents, and a tool designed to evaluate community disaster preparedness. More recently, Dr. Abir has led an internally funded RAND project evaluating strategies for critical care surge capacity in the U.S. in response to the COVID-19 pandemic and a project funded by the Assistant Secretary for Planning and Evaluation (ASPE) comparing national and international approaches to COVID-19-related outcome measurement.

George P. Ball

Member

George Ball, Ph.D., M.B.A.

Assistant Professor of Operations and Decision Technologies and the Weimer Faculty Fellow, Kelley School of Business, Indiana University Bloomington

Dr. George Ball is an Assistant Professor of Operations and Decision Technologies and the Weimer Faculty Fellow at the Kelley School of Business, Indiana University Bloomington. George's research focuses on medical device and pharmaceutical supply chain quality and in particular medical product recalls. George has conducted several collaborative research projects with the Center for Device and Radiological Health (CDRH) and the Center for Drug Evaluation and Research (CDER) at the Food and Drug Administration (FDA). In particular, George is a Co-principal investigator for a large multi-university, multi-million dollar federal contract with the FDA to identify unique predictors of drugs shortage and drug quality risks. George's research has been published in several top-tier journals including Management Science, Manufacturing & Service Operations Management, and the Journal of Operations Management. Prior to his time at Indiana University, George spent 11 years in various manager and director roles at two major medical device companies and five years on active duty as a U.S. Naval Officer. George received his PhD in Supply Chain and Operations and MBA from the Carlson School of Management at the University of Minnesota and a BS in aerospace engineering from the U.S. Naval Academy.

Lee Branstetter

Member

Lee Branstetter, Ph.D.

Professor of Economics and Public Policy, Carnegie Mellon University

Dr. Lee Branstetter is a professor of economics and public policy at Carnegie Mellon University with a joint appointment in the Social and Decision Sciences Department. He joined the Heinz College faculty in 2006 as a tenured associate professor. Dr. Branstetter is also a research associate of the National Bureau of Economic Research and nonresident senior fellow at the Peterson Institute for International Economics. From 2011-2012, he served as the Senior Economist for International Trade and Investment for the President's Council of Economic Advisors. Prior to coming to Carnegie Mellon, he was the Daniel J. Stanton Associate Professor of Business and the Director of the International Business Program at Columbia Business School. Dr. Branstetter has also taught at the University of California, Davis, where he was the Director of the East Asian Studies Program, and at Dartmouth College. He has served as a consultant to the OECD Science and Technology Directorate, the Advanced Technology Program of the U.S. Department of Commerce, and the World Bank. In recent years, Dr. Branstetter has been a research fellow of the Keio University Global Security Research Institute and a visiting fellow of the Research Institute of Economy, Trade, and Industry in Japan. Branstetter holds a B.A. in Economics and Mathematical Methods in the Social Sciences (MMSS) from Northwestern University, and he earned his Ph.D. in Economics at Harvard in 1996.

Asha Devereaux

Member

Asha Devereaux, M.D., M.P.H.

Physician, Sharp Health Care System

Dr. Asha Devereaux completed her medical degree in Biology from the University of California, San Diego, followed by a MD and MPH from Tulane University School of Medicine and Public Health. Upon graduation, she served in the United States Navy achieving the rank of Commander while receiving Board Certification in Internal Medicine, Pulmonology and Critical Care. During her 11-year Naval career, Dr. Devereaux served on the Navy Surgeon General's Panel for Tobacco Cessation, served as Head of Medicine at Beaufort Naval Hospital, served on numerous committees and spent three years covering the USNS Mercy's Chem/Bio ICU.

In addition to her private practice of Pulmonary medicine, she has achieved additional certification in Holistic Medicine, is currently the Co-Chair of the American Thoracic Society's Integrative Therapies Workgroup, has Co-Chaired and remains on the Executive committee of the American College of Chest Physicians (ACCP) Mass Critical Care Task Force, has served on IOM and CDC panels for Influenza and Crisis Care, is Past-Chairman of the ACCP Disaster Response Network and is a Past-President of the California Thoracic Society. She has responded to natural disasters ranging from fires to hurricanes, with the Medical Reserve Corps, the National Disaster Medical System and currently serves as the Sr. Medical Officer for San Diego CAL-MAT. She has recently provided care in an Alternate Care Site for COVID-19 in the Imperial County.

In 2009, she was selected as a Top Doctor in San Diego and in 2017, Dr. Devereaux was named the Outstanding Pulmonologist by the California Thoracic Society.

Ozlem Ergun

Member

Ozlem Ergun, Ph.D.

Professor, Mechanical and Industrial Engineering, Northeastern University College of Engineering

Dr. Özlem Ergun's research focuses on the design and management of large-scale and decentralized networks. She has applied her work on network design, management, and resilience to problems arising in many critical systems including transportation, pharmaceuticals, and healthcare. She has worked with organizations that respond to emergencies and humanitarian crises around the world, including USAID, UNWFP, UNHCR, IFRC, OXFAM America, CARE USA, FEMA, USACE, CDC, AFCEMA, and MedShare International. Dr. Ergun contributes regularly to Auribus Consulting, a Boston-based management consulting firm, as a logistics and analytics expert. Dr. Ergun has also been a leader in establishing a strong community of OR/MS professionals with an interest in public programs. She was the President of INFORMS Section on Public Programs, Service and Needs in 2013. She currently serves as the Area Editor at the Operations Research journal for Policy Modeling and the Public Sector Area. Dr. Ergun is also a founding co-chair of the annual Health and Humanitarian Logistics Conference, held annually since 2009.

Erin Fox

Member

Erin Fox, Pharm.D.

Senior Director, Drug Information and Support Services, University of Utah Health

Erin R. Fox, PharmD, BCPS, FASHP, is senior pharmacy director of Drug Information and Support Services at University of Utah Health. Erin is also Associate Professor (Adjunct), at the Department of Pharmacotherapy, University of Utah College of Pharmacy. The University of Utah Drug Information Service provides content for the ASHP Drug Shortage Resource Center and Erin serves as a media resource and advocate for changes to improve the ongoing drug shortage situation and rising drug costs. Erin is also active in both state and national pharmacy and health-related societies serving in a variety of volunteer and elected positions. Erin is recognized as an expert in drug shortages and has received the ISMP Cheers Award and ASHP Award of Excellence in recognition for her work on drug shortages. Erin has also been honored with the William A. Zellmer Lecture award for her advocacy efforts to address drug shortages and rising drug prices.

Larry Glasscock

Member

Larry Glasscock, B.A.

Chief Operating Officer, NFH

Larry M. Glasscock is a businessperson who has been at the helm of and/or provided executive leadership for companies across a variety of segments. Presently, Mr. Glasscock holds the position of Chief Operating Officer of NFH, Inc. and serves in an executive advisory capacity for MNX Global Logistics. Mr. Glasscock serves on the Board of Kershaw's Challenge, a public charity founded by Ellen and Clayton Kershaw and is a member of the Radiopharmaceutical Shippers and Carriers Conference. Mr. Glasscock has extensive experience in the development of unique, global supply chain solutions for healthcare and medical research companies of all types with specific leadership in nuclear medicine and immunotherapy. He is known to be particularly adept at forming partnerships and alliances for the benefit of manufacturers, researchers, treatment centers, and patients throughout the world.

Lewis Grossman

Member

Lewis Grossman, J.D.

Professor of Law, American University, Washington School of Law

Lewis Grossman is Professor of Law at the Washington College of Law, where he has taught since 1997 and where he served as Associate Dean for Scholarship from 2008 to 2011. He teaches and writes in the areas of food and drug law, health law, American legal history, and civil procedure. He has also been a Visiting Professor of Law at Cornell Law School and a Law and Public Affairs (LAPA) Fellow at Princeton University. Prior to joining the American University faculty, he was an associate at Covington & Burling LLP in Washington, D.C. Before that, he clerked for Chief Judge Abner Mikva of the U.S. Court of Appeals for the D.C. Circuit. Professor Grossman's scholarship has appeared in the Cornell Law Review, Law and History Review, Yale Journal of Health Policy, Law & Ethics, and Administrative Law Review, among others. He has made recent contributions to volumes published by Oxford University Press and Columbia University Press. He is the co-author of Food and Drug Law: Cases and Materials (with Peter Barton Hutt and Richard A. Merrill) and of a widely used supplement to the first-year civil procedure course titled A Documentary Companion to A Civil Action (with Robert G. Vaughn). In 2021, Oxford University Press will publish Professor Grossman's book titled Choose Your Medicine: Freedom of Therapeutic Choice in America. He has served as a member or legal consultant on three previous committees of the Health and Medicine Division of the National Academies of Sciences, Engineering, and Medicine (formerly the Institute of Medicine). Professor Grossman earned his Ph.D. in History from Yale University, where he was awarded the George Washington Egleston Prize for Best Dissertation in the Field of American History. He received a J.D. magna cum laude from Harvard Law School and a B.A. summa cum laude from Yale University.

W. Craig Vanderwagen

Member

W. Craig Vanderwagen, M.D.

President, East West Protection, LLC

W. Craig Vanderwagen, M.D., RADM, USPHS, is a family physician who retired as a Rear Admiral in the United States Public Health Service in 2009. He served for 25 years in the Indian Health Service, the federal program of medical and public health services for American Indians and Alaska Natives. During this period he also served as the lead health official at a number of disasters including: medical care for Kosovar refugees (1999); advisor to the Afghan Ministry of Health (2002); director of public health and advisor to the Iraq Ministry of Health (2003-2004); the USNS Mercy response to the 2004 tsunami; and commander of the public health and medical response to Hurricanes Katrina/Rita. Dr. Vanderwagen's last federal assignment (2006-9) was as the Assistant Secretary for Preparedness and Response at the US Department of Health and Human Services (DHHS). He was responsible for leading all federal public health and medical assets in disaster response and, responsibility for guiding the \$11B DHHS medical countermeasure advanced development program to address CBRN threats which now has over 100 products in the development pipeline. Dr. Vanderwagen is a Director and General Manager of East West Protection, a Potomac MD based firm specializing in public health and medical preparedness, detection, response, and command and control systems for CBRN threats and other disasters that he co-founded with Fuad El Hibri. He also has equity in a company that builds specialized vehicles (E-N-G Mobile Systems) and a company that builds long endurance drones for commercial and other uses (ARS). He is Immediate Past Chairman of the Board at VIDO-Intervac, a Canadian vaccine research and development company. He is also a senior partner at Martin, Blanck, and Associates, a consulting firm of retired General and Flag officers specializing in military health matters. He is a frequent public speaker on biodefense, public health preparedness, and leadership. He and his wife of 49 years, Suzanne, have three sons and 5 grandchildren and many extended family members with whom they spend much time.

Alastair J. Wood, MB C, FRCP

Member

Alastair Wood, M.D.

Professor, Vanderbilt University School of Medicine

Dr. Wood was Professor of both Medicine and Pharmacology at Vanderbilt University Medical School and served as Assistant Vice Chancellor for Clinical Research and Associate Dean, Vanderbilt Medical School, before being appointed Emeritus Professor of Medicine and Emeritus Professor of Pharmacology in 2006.

He served as the Drug Therapy Section Editor of the New England Journal of Medicine from 1985 to 2004. He was a Partner at Symphony Capital LLC, a Private Equity Company investing in the clinical development of novel biopharmaceutical products from 2006-2018.

Dr. Wood has been honored by being elected to The National Academy of Medicine (formerly the IOM), The American Association of Physicians (AAP), The American Society for Clinical Investigation (ASCI), Honorary Fellow, American Gynecological and Obstetrical Society (AGOS), Fellowship of The American College of Physicians, Fellowship of The Royal College of Physicians of London, and Fellowship of The Royal College of Physicians of Edinburgh. He was the 2005 recipient of the Rawls-Palmer Award and in 2008 received the honorary degree of Doctor of Laws, honoris causa, from the University of Dundee. Dr. Wood has served on a number of Editorial Boards including the New England Journal of Medicine Editorial Board and his research has resulted in over 300 articles, reviews and editorials.

Matthew K. Wynia

Member

Matthew K. Wynia, M.D., M.P.H

Director, Center for Bioethics and Humanities, University of Colorado

Dr. Wynia's career has included developing a research institute and training programs focusing on bioethics, professionalism and policy issues (the AMA Institute for Ethics) and founding the AMA's Center for Patient Safety. His research has focused on novel uses of survey data to inform and improve the practical management of ethical issues in health care and public policy. He has led projects on a wide variety of topics related to ethics and professionalism, including understanding and measuring the ethical climate of health care organizations and systems; ethics and quality improvement; communication, team-based care and engaging patients as members of the team; defining physician professionalism; public health and disaster ethics; medicine and the Holocaust (with the US Holocaust Memorial Museum); and inequities in health and health care. He has served on committees, expert panels and as a reviewer for the National Academies, The Joint Commission, the Hastings Center, the American Board of Medical Specialties, federal agencies, and other organizations. Dr. Wynia is the author of more than 160 published articles, chapters and essays, co-editor of several books, and co-author of a book on fairness in health care benefit design. His work has been published in JAMA, the New England Journal of Medicine, Annals of Internal Medicine, Health Affairs, and other leading medical and ethics journals, and he is a contributing editor for the American Journal of Bioethics. He has discussed his work as a guest on the BBC, ABC News, and National Public Radio, among others. Dr. Wynia is a past president of the American Society for Bioethics and Humanities (ASBH), and has chaired the Ethics Forum of the American Public Health Association (APHA) and the Ethics Committee of the Society for General Internal Medicine (SGIM).