

Health and Medicine Division

Committee

Alan I. Leshner

Chair

Alan Leshner is Chief Executive Officer, Emeritus of the American Association for the Advancement of Science (AAAS) and Executive Publisher of its journal, *Science*. Previously Dr. Leshner had been Director of the National Institute on Drug Abuse at the National Institutes of Health (NIH), and Deputy Director and Acting Director of the National Institute of Mental Health. Before that, he held a variety of senior positions at the National Science Foundation. Dr. Leshner began his career at Bucknell University, where he was Professor of Psychology. Dr. Leshner is an elected member (and on the governing Council) of the Institute of Medicine of the National Academies of Science, and a fellow of AAAS, the National Academy of Public Administration, and the American Academy of Arts and Sciences. He was appointed by the U.S. President to the National Science Board. He received an A.B. in Psychology from Franklin and Marshall College and M.S. and Ph.D. in Physiological Psychology from Rutgers University. Dr. Leshner has been awarded six honorary Doctor of Science degrees.

Jamy D. Ard

Member

Jamy Ard, MD is Vice Dean of Clinical Research at Wake Forest University School of Medicine and a professor in the Department of Epidemiology and Prevention. He is also co-director of the Advocate Health Wake Forest Baptist Weight Management Center, directing medical weight management programs. Dr. Ard conducts research on the clinical management of obesity and strategies to improve treatment outcomes in underserved and underrepresented populations. He has served on several expert panels and guideline development committees, including the 2013 AHA/ACC/TOS Guideline Panel on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults. Dr. Ard is serving as president of The Obesity Society in 2024. He completed his medical training at Duke University Medical Center and received formal training in clinical research as a fellow at the Center for Health Sciences Research in Primary Care at the Durham VA Medical Center.

Alex M. Azar, II

Member

Secretary Alex Azar sits on several corporate and advisory boards, is an Adjunct Professor of Business at the University of Miami Herbert Business School, and is a member of the Board of Trustees of the Aspen Institute and the Healthcare Leadership Council, and advisory boards of the Stanford University School of Medicine Department of Health Policy, the American Task Force On Lebanon, the Bipartisan Policy Center's Future of Health Care Group, and the National Institute for Healthcare Management Foundation. Azar served as the 24th Secretary of the U.S. Department of Health and Human Services (2018-2021), leading over 85,000 employees with a budget of over \$1.4 trillion. He was the architect of Operation Warp Speed, delivering COVID-19 vaccines and therapeutics in record time. He led the historic transformation of the healthcare system in the United States and HHS's response to the unprecedented COVID-19 pandemic. Azar previously served as president of Lilly USA, LLC, the largest affiliate of global biopharmaceutical leader Eli Lilly and Company. Before his tenure at Lilly, Azar was the Deputy Secretary of HHS and its General Counsel.

Gilda A. Barabino

Member

Gilda B. Barabino is President of Olin College of Engineering. She previously served as Daniel and Frances Berg Professor and Dean at The City College of New York's (CCNY) Grove School of Engineering. Prior to joining CCNY, she was Associate Chair for Graduate Studies and Professor in the Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory. At Georgia Tech she also served as the inaugural Vice Provost for Academic Diversity. Prior to Georgia Tech and Emory, she rose to the rank of Professor of Chemical Engineering and was Vice Provost for Undergraduate Education at Northeastern University. She is a noted investigator in the areas of sickle cell disease, cellular and tissue engineering, and the role of race/ethnicity and gender in science and engineering. Dr. Barabino is a member of the National Academy of Engineering and the National Academy of Medicine, a fellow of the American Association for the Advancement of Science (AAAS), the American Institute of Chemical Engineers (AIChE), the American Institute for Medical and Biological Engineering (AIMBE) and the Biomedical Engineering Society (BMES). Dr. Barabino serves on the Scientific Advisory Board of the Chan Zuckerberg Biohub. She is Past-President of BMES and Past-President of AIMBE. She has received an honorary degree from Xavier University of Louisiana, the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, AIChE's Award for Service to Society, and AIMBE's Pierre Galetti Award. Dr. Barabino is a member of the National Science Foundation's (NSF) Advisory Committee for Engineering, the congressionally mandated Committee on Equal Opportunities in Science and Engineering, the AAAS Committee on Science, Engineering and Public Policy, and the incoming chair of the National Academies Committee on Women in Science, Engineering, and Medicine. She consults nationally and internationally on STEM education and research, diversity in higher education, policy, faculty and workforce development. She received a B.S. from Xavier University of Louisiana and a Ph.D. from Rice University.

Rodolphe Barrangou

Member

Rodolphe Barrangou Ph.D. is the T. R. Klaenhammer Distinguished Professor at North Carolina State University. Barrangou is focusing on the characterization of CRISPR-Cas systems, and their applications in bacteria. Rodolphe spent 9 years in R&D and M&A at Danisco and DuPont, and has been at NC State since 2013. For his CRISPR work, Rodolphe received several international awards, including the 2016 Canada Gairdner International Award, the 2016 Harvard Medical School Warren Alpert Prize, the 2017 NAS Award in Molecular Biology and the 2018 NAS Prize in Food and Agriculture Sciences. He has been elected into the National Academy of Sciences, the National Academy of Engineering, the National Academy of Inventors, the American Academy of Microbiology and the National Inventors Hall of Fame. 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 Compiègne, 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. Dr. Barrangou is also a co-founder of Intellia Therapeutics, Locus Biosciences, TreeCo, Ancilia Biosciences and CRISPR Biotechnologies, the Editor in Chief of the CRISPR Journal.

Eileen M. Crimmins

Member

Eileen Crimmins is the AARP Professor of Gerontology at the USC Leonard Davis School of Gerontology. She is a member of the National Academy of Sciences, the National Academy of Medicine, a fellow of the American Association for the Advancement of Science, and a University Professor at USC. She is currently the director of the USC/UCLA Center on Biodemography and Population Health, one of the Demography of Aging Centers supported by the U.S. National Institute on Aging. She is also the Director of the Multidisciplinary Training in Gerontology Program and the NIA-sponsored Network on Biological Risk. Crimmins is a co-investigator of the Health and Retirement Study in the U.S. Much of Crimmins' research has focused on changes over time in health and mortality. Crimmins has been instrumental in organizing and promoting the recent integration of the measurement of biological indicators in large population surveys.

Richard G. Frank

Member

Richard G. Frank is the Margaret T. Morris Professor of Health Economics emeritus at Harvard Medical School. He is a Senior Fellow in Economic Studies and Director of the Schaeffer Initiative on Health Policy at the Brookings Institution. From 2009 to 2011, he served as the Deputy Assistant Secretary for Planning and Evaluation at DHHS directing the office of Disability, Aging and Long-Term Care Policy. From 2014 to 2016 he served as Assistant Secretary for Planning and Evaluation in the Department of Health and Human Services. His research is focused on the economics of mental health and substance abuse care, long term care financing policy, prescription drug markets, and disability policy. He was elected to the National Academy of Medicine in 1997. He is co-author with Sherry Glied of the book *Better but Not Well* (Johns Hopkins Press).

Julie L. Gerberding

Member

Dr. Julie Louise Gerberding is the CEO of the Foundation for the National Institutes of Health, a non-profit organization that builds public-private research partnerships to support the mission of the NIH. She co-chairs the CSIS Commission on Strengthening America's Health Security and is a member of the Commonwealth Fund Commission on a National Public Health System. Previously, she served as President of the vaccines business and as Executive Vice President and the Chief Patient Officer at Merck & Co., Inc. From 2003-2009, Dr. Gerberding led the U.S. Centers for Disease Control and Prevention (CDC). She serves on the boards of HilleVax, Mayo Clinic, National Health Council, and Case Western Reserve University. Dr. Gerberding is a member of the National Academy of Medicine and the adjunct faculties of the University of California, San Francisco, and Case Western Reserve University.

Barbara J. Grosz

Member

Barbara Grosz is a Higgins Research Professor of Natural Sciences in the School of Engineering and Applied Sciences at Harvard University. Her groundbreaking contributions to Artificial Intelligence (AI) encompass pioneering research in natural language dialogue systems and in theories of multi-agent collaboration and their use in improving human-computer interaction. She has explored ways these models support improved health care coordination and enhanced science education. Prof. Grosz is also known for her roles in founding and leading interdisciplinary initiatives, most recently for co-founding Harvard's Embedded Ethics program, and for her contributions to the advancement of women in science. She is a member of the National Academy of Engineering and the American Philosophical Society, a fellow of the American Academy of Arts and Sciences, the Association for the Advancement of AI, the ACM, and AAAS and a corresponding fellow of the Royal Society of Edinburgh. She received the 2009 ACM/AAAI Allen Newell Award, the 2015 IJCAI Award for Research Excellence, and the 2017 Association for Computational Linguistics Lifetime Achievement Award. She has served on the boards of several scientific, scholarly and academic institutions. She chaired the study committee of the 2022 National Academies report *Fostering Responsible Computing Research: Foundations and Practices*.

Elizabeth A. Howell

Member

Dr. Howell is the Harrison McCrea Dickson, MD President's Distinguished Professor and Chair of the Department of Obstetrics & Gynecology, Perelman School of Medicine at the University of Pennsylvania. Prior to coming to UPenn, Dr. Howell was the Founding Director of the Blavatnik Family Women's Health Research Institute and a professor at the Icahn School of Medicine at Mount Sinai. She is an NIH-funded health services researcher, and her research interests lie at the intersection between quality of care and disparities in maternal mortality and morbidity. Dr. Howell has served on several expert committees at the Institute of Medicine, NIH, the Joint Commission, and the American College of Obstetricians and Gynecologists. She has testified to the US Congress on maternal healthcare legislation, co-chaired the National Quality Forum Committee on Maternal Morbidity and Mortality and was invited to the White House by Vice President Harris to participate in a roundtable on Black Maternal Health. Dr. Howell is a member of the National Academy of Medicine. Dr. Howell received her undergraduate degree from Stanford University and her medical and public policy degrees from Harvard Medical School and the Harvard Kennedy School of Government. She completed her residency at Cornell /New York Hospital and her fellowship at Yale Medical School.

Charles N. Kahn, III

Member

During a career that has spanned more than four decades in Washington, Chip Kahn has earned the reputation as one of the nation's most impactful health policy influencers. Since 2001, he has served as the President and CEO of the Federation of American Hospitals, the national advocacy organization for tax-paying hospitals. Previously, he was the President and CEO of the Health Insurance Association of America where he served an earlier stint as Executive Vice President. Chip also had a long and distinguished career as a professional staffer in the US Congress, specializing in health care financing and delivery policy. He worked many years both in the Senate and the House of Representatives and from 1995-1998 as staff director for the Health Subcommittee of the House Ways and Means Committee and played a key role in writing the most significant health legislation of that period. Chip is a founding member and co-chair of the Future of Health community. A group that brings together senior leaders from leading health organizations around the world with the objective of advancing health and care delivery for 2030 and beyond. He is the only health care leader who has appeared on Modern Healthcare magazine's "100 Most Influential People in Healthcare" annual list since its inception 21 years ago, and his professional experience combined with volunteer efforts led to him being honored with the B'nai B'rith National Health Care Award in 2016. Chip earned his BA from Johns Hopkins University and an MPH from Tulane University and has taught health policy at both universities as well as George Washington University.

Jennifer Kates

Member

Dr. Jennifer Kates is senior vice president and director of the Global Health & HIV Policy Program at KFF, where she oversees policy analysis and research focused on the U.S. government's role in global health and on the global and domestic HIV epidemics. She has also helped to lead KFF's work on the COVID-19 pandemic. Widely regarded as an expert in the field, she regularly publishes and presents on global health and HIV policy issues and is particularly known for her work analyzing donor government investments in global health; assessing and mapping the U.S. government's global health architecture, programs, and funding; and tracking and analyzing major U.S. HIV programs and financing, and key trends in the HIV epidemic, an area she has been working in for close to 30 years. Dr. Kates serves on numerous federal and private sector advisory committees on global health and HIV issues.

Dr. Kates holds a bachelor's degree from Dartmouth College, a Master in Public Affairs degree from the Princeton School of Public and International Affairs and a master's degree in political science from the University of Massachusetts. She received her Ph.D. in health policy from George Washington University.

Joneigh S. Khaldun

Member

Joneigh Khaldun is the Vice President and Chief Health Equity Officer at CVS Health. Previously, she served as Chief Medical Executive and Chief Deputy Director for Health in the Michigan Department of Health and Human Services (MDHHS). In those roles, she provided overall medical guidance for the State of Michigan, and oversaw public health and aging programs, Medicaid, and behavioral health for MDHHS. Dr. Khaldun was the top public health advisor leading Michigan's response to the COVID-19 pandemic. Prior to her role at MDHHS, she was the Director and Health Officer for the Detroit Health Department, where she oversaw a robust community health assessment, established a comprehensive reproductive health network, spear-headed new human service efforts, and led Detroit's response to the largest Hepatitis A outbreak in modern history. Previously, Dr. Khaldun was the Baltimore City Health Department's Chief Medical Officer. She has held several local and national leadership positions, including Director of the Center for Injury Prevention and Control at George Washington University, Founder and Director of the Fellowship in Health Policy in the University of Maryland Department of Emergency Medicine, and Fellow in the Obama administration's Office of Health Reform. She's served on several national and local boards and committees, including the Commission on Health in Montgomery County, Maryland; Big Brothers Big Sisters of Metropolitan Detroit; the CDC Health Disparities Advisory Committee; and the National Advisory Board for the Institute for Healthcare Policy and Innovation at the University of Michigan. In 2018, Dr. Khaldun was selected for the 40 Under 40 Leaders in Minority Health Award by the National Minority Quality Forum. She also received the deBeaumont Foundation 40 Under 40 Leaders in Public Health award in 2019 and in 2020 was named one of Crains Detroit's Notable Women in Health. Dr. Khaldun obtained her undergraduate degree from the University of Michigan, medical degree from the Perelman School of Medicine at the University of Pennsylvania, MPH in Health Policy from George Washington University, and completed residency in emergency medicine at SUNY Downstate Medical Center/Kings County Hospital in Brooklyn, NY, where she served as chief resident in her final year. She is a board-certified emergency medicine physician and practices part-time at Henry Ford Hospital in Detroit.

K.M. Venkat Narayan

Member

K.M. Venkat Narayan is Executive Director of the Emory Global Diabetes Research Center of Woodruff Health Sciences Center and Emory University, Professor of Global Health and Epidemiology at the Emory Rollins School of Public Health, and Professor of Medicine at the Emory University School of Medicine. Dr. Narayan studies diabetes and noncommunicable disease (NCD) epidemiology, control, prevention, and policy. He has been involved in scientific leadership of several major national and international multi-center epidemiological studies, public health surveillance, translation research, intervention studies, economic models and health policy. Dr. Narayan has previously served on two NASEM consensus committees. He has an M.D. from St. John's Medical College in India, and an M.Sc. from the University of Edinburgh and M.B.A from Herriot Watt University in Scotland. Dr. Narayan is an elected member of the National Academy of Medicine.

Lucila Ohno-Machado

Member

Lucila Ohno-Machado received her medical degree from the University of São Paulo and her doctoral degree in medical information sciences and computer science from Stanford. She is the Waldemar von Zedtwitz Professor of Medicine, Biomedical Informatics & Data Science, Chair of Biomedical Informatics & Data Science and Deputy Dean for Biomedical Informatics at Yale School of Medicine. Prior to this role, she was Associate Dean for Informatics and Technology, and the founding chair of the UCSD Health Department of Biomedical Informatics at UCSD, where she led a group of faculty with diverse backgrounds in medicine, nursing, informatics, and computer science. Also, she is the PI for the California Precision Medicine Consortium for the NIH All of Us Research Program. Prior to UCSD, she was faculty at Harvard Medical School (Brigham and Women's Hospital and the MIT Division of Health Sciences and Technology. Dr. Ohno-Machado is an elected member of the American College of Medical Informatics, the American Institute for Medical and Biological Engineering, the American Society for Clinical Investigation and the National Academy of Medicine. She served as editor-in-chief for the Journal of the American Medical Informatics Association from 2011 to 2018. She directed the patient-centered Scalable National Network for Effectiveness Research, a large clinical data research network covering more than 40 million patients and 14 healthcare systems, and she was one of the founders of UC-Research exchange, a clinical data research network that connected the data warehouses of the five University of California medical centers. She has led many large projects funded by the NIH, including the NIH-funded National Center for Biomedical Computing iDASH (integrating Data for Analysis, 'anonymization,' and Sharing), the Big Data to Knowledge Data Discovery Index Ecosystem, the Center of Excellence in Genome Sciences entitled Center for Admixture Science and Technology, the Bridge to AI Center, and many others, as well as other NIH- and NSF-funded research projects. Her research focuses on privacy-preserving distributed analytics for healthcare and biomedical sciences. She has received numerous awards for innovations in biomedical informatics research and training.

Teddie Potter

Member

Teddie Potter is a Clinical Professor, the Pauline A. Vincent Chair of Public Health, Director of Planetary Health, and co-director of the Katharine J. Densford International Center for Nursing Leadership at the University of Minnesota School of Nursing. She has a rich nursing practice history including hospital, home care, and hospice nursing. She has often been at the heart of paradigm shifts, including being one of the first home care nurses in her state, creating a specialized home care program for people living with HIV/AIDS, helping start one of the first palliative care programs in the nation, and being an early leader of climate change and health education. Dr. Potter has shown a long-term commitment to diversity, inclusivity, and equity and studied factors that help diverse students succeed in nursing school. In 2015, Dr. Potter was selected as the recipient of the Josie R. Johnson Human Rights and Social Justice Award. She has an expertise in interprofessional education and practice and authored an award-winning text on partnership-based health care. Her deep commitment to global partnerships led to creation of study abroad courses so Doctor of Nursing Practice students can see universal health care systems and highly effective care delivery models based on population health. In addition, she created a Collaborative Online International Learning (COIL) course with the University of Iceland so that all students can have a global learning experience. Dr. Potter is deeply concerned about the health of the planet and the impact that climate change has on health. She is co-founder of Health Professionals for a Healthy Climate, a member of the Medical Society Consortium on Climate and Health Education, and a member of the Alliance of Nurses for Healthy Environments. She serves on the consultative committee of Columbia University's Global Consortium on Climate and Health Education, is chair of the Environment and Public Health Expert Panel for the American Academy of Nursing 2020-2022, and she chairs Clinicians for Planetary Health and serves on the Steering Committee for Harvard's Planetary Health Alliance. She currently serves on the National Academy of Medicine's Action Collaborative on Decarbonizing the US Health Sector. She co-edited the Planetary Health Education Framework (2021), a transdisciplinary guide for global planetary health education. She has published and spoken extensively about the human health impacts of disrupting the Earth's natural systems.

Umair A. Shah

Member

Umair A. Shah, MD, MPH, was appointed Secretary of Health for Washington State in December 2020. He is the first Asian-American physician and first South Asian to serve in this role in Washington's history. He previously served as Executive Director and Local Health Authority for Harris County Public Health (HCPH).

Dr. Shah began his distinguished career as an emergency department physician for over two decades at Houston's Michael DeBakey VA Medical Center. He started his formal public health journey in 2003 as Chief Medical Officer at Galveston County's Health District.

Dr. Shah has held numerous leadership positions with respected entities like the National Academies of Sciences, Engineering, and Medicine; U.S. Centers for Disease Control and Prevention; Trust for America's Health; Network for Public Health Law; Patient-Centered Outcomes Research Institute; and the National Association of County and City Health Officials, where he served as president.

Dr. Shah earned his BA (philosophy) from Vanderbilt University; his MD from the University of Toledo Health Science Center; and completed an Internal Medicine Residency, Primary Care/General Medicine Fellowship, and MPH (management), at the University of Texas Health Science Center. He also completed an international health policy internship at World Health Organization headquarters in Switzerland.

Paul E. Turner

Member

Paul Turner is the Rachel Carson Professor of Ecology and Evolutionary Biology at Yale University, and faculty member in Microbiology at Yale School of Medicine. He studies the evolutionary genetics of viruses, particularly bacteriophages that specifically infect bacterial pathogens, and RNA viruses that are vector-transmitted by mosquitoes. Dr. Turner received a Biology degree (1988) from University of Rochester, and PhD (1995) in Zoology from Michigan State University. He did postdoctoral training at National Institutes of Health, University of Valencia in Spain, and University of Maryland-College Park, before joining Yale's Ecology and Evolutionary Biology Department in 2001. His service to the profession includes Chair of the American Society for Microbiology (ASM) Division on Evolutionary and Genomic Microbiology, as well as membership on the National Science Foundation's Biological Sciences Advisory Committee, ASM Committee on Minority Education, and multiple National Research Council advisory committees. Dr. Turner was elected Member of the National Academy of Sciences, Fellow of the American Academy of Arts & Sciences, Fellow of the American Academy of Microbiology, Councilor of the American Genetic Association, Chair of the Gordon Research Conference on Microbial Population Biology, and Chair of the CNRS Jacques Monod Conference on Viral Emergence. He chaired the Watkins Graduate Research Fellowship award committee for ASM, and received the E.E. Just Endowed Research Fellowship and William Townsend Porter Award from Marine Biological Laboratory, and fellowships from Woodrow Wilson Foundation, NSF, NIH and HHMI. Dr. Turner has served as Director of Graduate Studies and as Chair of the Ecology and Evolutionary Biology Department at Yale, as well as Yale's Dean of Science and Chair of the Biological Sciences Advisory and Tenure Promotion Committees. Dr. Turner currently directs Yale's Quantitative Biology Institute, as well as the Center for Phage Biology and Therapy at Yale.

Sue VandeWoude

Member

Sue VandeWoude is a veterinary virologist recognized for her studies of the biology, pathogenesis, and ecology of viral infections in felids. She attained a BS in Chemistry from California Institute of Technology, completed her DVM training at Virginia-Maryland College of Veterinary Medicine and conducted a postdoctoral fellowship in Comparative Medicine at Johns Hopkins University School of Medicine. VandeWoude is University Distinguished Professor in the Department of Microbiology, Immunology, and Pathology at Colorado State University. Her laboratory has documented that experimental and naturally occurring cross-species Feline Immunodeficiency Virus (FIV) infections result in initial productive infection that is ultimately abrogated in the non-adapted host. They have also shown that infection of domestic cats with puma FIV imparts partial resistance to challenge with domestic cat FIV strains. VandeWoude's recent studies in wildlife disease ecology have demonstrated that pumas commonly acquire pathogens via predation. Some of these cross-species transmissions result in fatal disease (Feline Leukemia Virus), whereas others spread rapidly among pumas without overt symptoms (Feline Foamy Virus), or primarily result in abortive infections (FIV). In each of these cases, host resistance factors determine outcome of infection. Her laboratory also described the first gammaherpesviral agent in domestic cats, bobcats, and pumas. VandeWoude is an advocate for veterinary involvement in research, and in collaborative, team-based multidisciplinary science. She has served on expert panels, study sections, has been president or councilor of several professional organizations. In August, 2022 she became the 11th Dean at the College of Veterinary Medicine and Biomedical Sciences at Colorado State University, and is the first woman to hold this position. She was elected to the National Academy of Sciences in 2019.