The Strategic Council for Research Excellence, Integrity, and Trust

Committee

David B. Allison

Co-Chair

(NAM)
Endowed Professor of Pediatrics; Director Children's Nutrition Research Center, USDA-ARS
Baylor College of Medicine

Dean David B. Allison is Professor of Pediatrics and Endowed Chair through Texas Children’s Hospital, as well as Chief of Nutrition and Director of the USDA-ARS Children’s Nutrition Research Center at Baylor College of Medicine. Continuously NIH-funded as a PI for over 25 years, he has authored or co-authored more than 700 scientific publications. Allison is a staunch advocate for rigor in research methods and the uncompromisingly truthful communication of research findings. Awards include the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (2006); the Friends of Albert (Mickey) Stunkard Lifetime Achievement Award (The Obesity Society, 2021), the Harry V. Roberts Statistical Advocate of the Year Award (American Statistical Association, 2018), the Bodil M. Schmidt-Nielsen Distinguished Mentor and Scientist Award (American Physiological Society, 2023), the Alumni Award from Hofstra University (2024); and the Irving Wright Award of Distinction of the American Federation for Aging Research (2025). Allison was elected to the National Academy of Medicine in 2012.

Allison received a PhD in Psychology from Hofstra University. He has participated in various National Academies activities, including serving as a member of the National Academies Board on Science, Technology and Economic Policy as well as the Committee on Reproducibility and Replicability in Science.

Arthur Lupia

Co-Chair

Vice President for Research and Innovation
University of Michigan

Dr. Arthur "Skip" Lupia is the Vice President for Research and Innovation at the University of Michigan. His research advances understanding of decision making under uncertainty, coalition building, and science communication. His government service includes a term as Assistant Director of the National Science Foundation and head of its Social, Behavioral, and Economic Sciences Directorate. He is former Chairman of the Board of the Center for Open Science and is co-chair of the White House Office of Science and Technology Policy's Open Science Subcommittee. He has served as a Guggenheim Fellow, and Andrew Carnegie Fellow, and is a Fellow of the American Association for the Advancement of Science.

Dr. Lupia received an MA and PhD in Social Science from the California Institute of Technology. He is former chair of the National Academies Roundtable on the Application of Behavioral and Social Science Research, a former member for the National Academies Division Committee for the Behavioral and Social Sciences and Education, and winner of the 1998 National Academy of Science Award for Initiatives in Research.

Marcia McNutt

Co-Chair

(NAS/NAE)
President
National Academy of Sciences

Dr. Marcia McNutt is a geophysicist and as president of the National Academy of Sciences. From 2013 to 2016, she served as editor-in-chief of the Science family of journals. Prior to joining Science, she was director of the U.S. Geological Survey (USGS) from 2009 to 2013. Before joining the USGS, McNutt served as president and chief executive officer of the Monterey Bay Aquarium Research Institute (MBARI), in Moss Landing, California. Her research area is the dynamics of the upper mantle and lithosphere on geologic time scales, work that has taken her to distant continents and oceans for field observations. She is a veteran of more than a dozen deep-sea expeditions, on most of which she was chief or co-chief scientist.

Her honors include membership in the American Philosophical Society and the American Academy of Arts and Sciences. She holds honorary doctoral degrees from the Colorado College, the University of Minnesota, Monmouth University, and the Colorado School of Mines. In 1988, she was awarded the American Geophysical Union’s Macelwane Medal for research accomplishments by a young scientist, and she received the Maurice Ewing Medal in 2007 for her contributions to deep-sea exploration. She is a fellow of AGU, the Geological Society of America, American Association for the Advancement of Science, and International Association of Geodesy.

McNutt received a BA in physics from Colorado College and her PhD in Earth sciences at the Scripps Institution of Oceanography.

Michael V. Drake

Member

(NAM)
President
University of California System

Dr. Michael V. Drake is the former president of the University of California's system of 10 campuses, 5 medical centers, 3 nationally affiliated labs, and more than 280,000 students and 230,000 faculty and staff. Drake's extensive public service experience includes various roles for the American Medical Association, the National Eye Institute, the Association of American Medical Colleges, and multiple commissions on health in the state of California. He is a former chair of the board of directors of the Association of American Universities and currently serves as a member of the board of directors for the Association of Public and Land-grant Universities. He is an elected member of the National Academy of Medicine, the chair of the board of governors of the National Collegiate Athletic Association, a member of the American Talent Initiative Steering Committee, and a member of the board of directors of the Rock and Roll Hall of Fame.

Drake received his AB from Stanford University and his residency, MD, and fellowship in ophthalmology from UCSF. He previously served as a member of the Committee on Institutional and Policy-Level Strategies for Increasing the Diversity of the U.S. Health Care Workforce.

Juan Enriquez

Member

Managing Director
Excel Venture Management

Juan Enriquez is author and co-author of multiple bestsellers, including As the Future Catches You: How Genomics Will Change Your Life, Work, Health, and Wealth (Random House,1999), The Untied States of America: Polarization, Fracturing and Our Future (Random House, 2005), Evolving Ourselves: Redesigning Humanity One Gene at a Time (Penguin, 2015), and RIGHT/WRONG: How Technology Transforms Our Ethics (MIT, 2020). He is a leading science communicator with eleven TED talks on a variety of subjects, as well as dozens of TEDx talks. He was the founding Director of the Harvard Business School's Life Sciences Project and is a research affiliate at MIT’s synthetic neurobiology lab. Mr. Enriquez serves on multiple for-profit, non-profit boards, advisory committees and working groups including The American Academy of Arts and Sciences, WGBH, The Boston Science Museum, National Academy of Medicine, National Academy of Sciences, USDA, and Harvard’s David Rockefeller Center. He sailed around the world on an expedition that increased the number of known genes a hundredfold and was part of the peace commission that negotiated the cease fire with the Zapatistas.

Enriquez received a BA and MBA from Harvard University. He previously served as a member of the National Academies Division on Earth and Life Studies Division Committee.

Steven N. Goodman

Member

(NAM)
Professor of Epidemiology & Population Health, Medicine and Health Policy
Associate Dean for Clinical and Translational Research
Stanford University School of Medicine

Dr. Steven N. Goodman is a Professor of Epidemiology, Medicine, and Health policy, Stanford University School of Medicine, and Associate Dean for Clinical and Translational Research. He is also affiliated faculty in the Stanford Center for Biomedical Ethics. He has led and continues to lead training and degree programs for graduate students, faculty, and staff for almost 30 years, many of them in the realm of professional development and ethics.

Goodman's main research and implementation focus currently is on the rigor and reproducibility of biomedical research. He has also done extensive writing and research on the foundations of scientific inference and other aspects of scientific and statistical methodology. He founded and directs the Stanford Program on Research Rigor and Reproducibility (SPORR) and co-founded METRICS (the Meta-research Innovation Center at Stanford). His honors include election to the National Academy of Medicine, the Spinoza Chair in Medicine (University of Amsterdam), and the Lilienfeld Award (American College of Epidemiology) for lifetime achievement in epidemiologic research and teaching, and election to the Johns Hopkins Society of Fellows.

Goodman received an AB from Harvard, majoring in Biochemistry and Applied Math, an MD from NYU, trained and was board-certified in pediatrics at Washington University in St. Louis, and received an MS in Biostatistics and PhD in Epidemiology from Johns Hopkins. He currently serves as a member of the National Academies On Being a Scientist Panel on Responsible Conduct and Stewardship of the Research Process.

Kathleen H. Jamieson

Member

(NAS)
Director
Annenberg Public Policy Center of the University of Pennsylvania;
Professor
Annenberg School for Communication

Professor Kathleen Hall Jamieson is the Elizabeth Ware Packard Professor of Communication at the University of Pennsylvania's Annenberg School for Communication, the Walter and Leonore Annenberg Director of the University's Annenberg Public Policy Center, and Program Director of the Annenberg Retreat at Sunnylands. Jamieson has authored or co-authored 16 books, most recently Cyberwar: How Russian Hackers and Trolls Helped Elect a President (Oxford University Press, 2018), which won the 2019 R.R. Hawkins Award from the Association of American Publishers and was published in a revised paperback edition by Oxford University Press in June 2020.

Jamieson has won university-wide teaching awards at each of the three universities at which she has taught and has delivered the American Political Science Association's Ithiel de Sola Pool Lecture, the National Communication Association's Arnold Lecture, and the NASEM Division of Behavioral and Social Sciences and Education Henry and Bryna David Lecture. Jamieson is a member of the American Philosophical Society and the National Academy of Sciences, and a Distinguished Scholar of the National Communication Association. She also is a fellow of the American Academy of Arts and Sciences, the American Academy of Political and Social Science, and the International Communication Association.

Jamieson received an MA and PhD in Communication Arts from the University of Wisconsin–Madison. In addition to the Strategic Council, she serves as a member of the National Academies Committee on Science, Engineering, Medicine, and Public Policy.

Lyric A. Jorgenson

Member

Associate Director for Science Policy and Director
Office of Science Policy
National Institutes of Health

Dr. Lyric Jorgenson is the Associate Director for Science Policy and the Director of the Office of Science Policy at the NIH. In this position, she provides senior leadership in the development and oversight of cross-cutting biomedical research policies and programs considered to be of high-priority to NIH and the United States Government. Prior to this role, she served in numerous roles across the agency, including Deputy Director of the Office of Science Policy, and has led the development of numerous high impact science and policy initiatives such as the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative and the National Center for Advancing Translational Sciences (NCATS). Dr. Jorgenson also served as the Deputy Executive Director of the White House Cancer Moonshot Task Force in the Office of the Vice President in the Obama administration, where she directed and coordinated cancer-related activities across the Federal government and worked to leverage investments across sectors to dramatically accelerate progress in cancer prevention.

Dr. Jorgenson earned a bachelor’s degree in psychology from Denison University in Ohio and a PhD from the Graduate Program for Neuroscience at the University of Minnesota. She currently serves as an ex officio member of the National Academies Forum on Drug Discovery, Development and Translation and previously served as an ex officio member of the National Science, Technology, and Security Roundtable.

Veronique Kiermer

Member

Chief Scientific Officer
PLOS

Dr. Véronique Kiermer is the Chief Scientific Officer at PLOS, the Public Library of Science, where she oversees the editorial department and the development of services, products and policies to promote open science. Before joining PLOS in 2015, she was Executive Editor and Director of Author and Reviewer Services for Nature Publishing Group where she managed editorial and research integrity policies across the Nature journals. She started her career in publishing in 2004 as the founding Chief Editor of Nature Methods. She also worked on gene therapy projects in the biotechnology industry in the Bay Area. She currently serves on the Board of Directors of Keystone Symposia and ORCID.

Dr. Kiermer obtained a PhD in molecular biology from the Université Libre de Bruxelles, Belgium, and was a postdoctoral fellow at the Gladstone Institutes, University of California, San Francisco. She has served as a planning committee member of various National Academies workshops, including Rethinking Researcher Assessment and Incentives at U.S. Academic Institutions; Enhancing Public Access to the Results of Research Supported by the Department of Health and Human Services; and Enhancing Reproducibility in Biomedical Research through Harmonization of Guidelines for Transparent Reporting.

Michele Masucci

Member

Vice Chancellor for Research and Economic Development
University System of Maryland

Dr. Michele Masucci serves as the Vice Chancellor for Research and Economic Development for the University System of Maryland. She also holds an academic appointment as professor of Geography and Environmental Systems at the University of Maryland, Baltimore County (UMBC) and is an affiliated professor at the University of Maryland Center for Environmental Science (UMCES).

Masucci's research examines how the geographies of information and communication technologies impact community efficacies associated with education, health, and environmental quality both in U.S. and international contexts. She has also worked to develop university partnerships with non-profit organizations to support this work, supported by funding from federal, state, local and foundation sponsors.

Masucci also served as the co-chair of the Federal Demonstration Partnership and President of the Federal Demonstration Partnership Foundation during the past seven years and is a member of the board of directors for Oak Ridge Associated Universities and the University City Science Center.

Masucci earned her bachelor's degree in geography and regional planning from Salisbury University (SU), before receiving her master's and doctorate—both in geography—from Clark University. She is a co-chair of the National Academies On Being a Scientist committee and has participated in several other National Academies activities, including serving as chair of the On Leading a Lab workshop planning committee.

Karen E. Nelson

Member

(NAS)
Chief Scientific Officer
Thermo Fisher Scientific

Dr. Karen E. Nelson is the Chief Scientific Officer of Thermo Fisher Scientific. Prior to that she was the President of the J. Craig Venter Institute (JCVI), where she held several positions of increasing responsibility over the years, including Director of JCVI's Rockville Campus, and Director of Human Microbiology and Metagenomics in the Department of Human Genomic Medicine at the JCVI. She has authored or co-authored over 230 peer reviewed publications, edited three books, and is currently Editor-in-Chief of the journal Microbial Ecology. She has served on the Editorial Boards of PNAS Nexus, BMC Genomics, GigaScience, and the Central European Journal of Biology. She is a Fellow of the American Academy of Microbiology, an Honorary Professor at the University of the West Indies, and a Helmholtz International Fellow. Dr. Nelson is also a member of the National Academy of Sciences. Dr. Nelson has led several genomic and metagenomic efforts, including the first human metagenomics study that was published in 2006, and studies of the ecology of the gastrointestinal tract of humans and animals. In her current role she oversees the R&D operations of Thermo Fisher.

Dr. Nelson received her undergraduate degree from the University of the West Indies and her PhD in Animal Science/Microbiology from Cornell University. She currently serves as a member on the National Academies Board of Life Sciences.

Brian Nosek

Member

Professor of Psychology
University of Virginia
Co-Founder, Executive Director
Center for Open Science

Brian Nosek is Executive Director of the Center for Open Science (COS) and a professor at the University of Virginia. Brian Nosek co-developed the Implicit Association Test, a method that advanced research and public interest in implicit bias. Nosek co-founded three non-profit organizations: Project Implicit to advance research and education about implicit bias (http://projectimplicit.net/), the Society for the Improvement of Psychological Science to improve the research culture in his home discipline (http://improvingpsych.org/), and COS (http://cos.io/) to improve rigor, transparency, integrity, and reproducibility across research disciplines. Nosek's research and applied interests are to understand why people and systems produce behaviors that are contrary to intentions and values; to develop, implement, and evaluate solutions to align practices with values; and, to improve research credibility and cultures to accelerate progress.

Nosek received his PhD in Psychology from Yale and BS from Cal Poly San Luis Obispo in Psychology, Computer Science, and Women's Studies. He has served on the National Academies Realizing Opportunities for Advanced and Automated Workflows in Scientific Research committee.

Magdalena Skipper

Member

Editor-in-Chief
Nature

Dr. Magdalena Skipper is Editor in Chief of Nature and Chief Editorial Advisor for the Nature portfolio. Previously, she served as Editor in Chief of Nature Communications, Executive Editor for the Nature Partner portfolio, Senior Editor at Nature and Chief Editor of Nature Reviews Genetics. She has a keen interest in promoting open science practices and publishing innovation that looks beyond standard manuscript publishing. Through her work at Nature, she works towards fostering and promoting interdisciplinary and collaborative research, with an emphasis on inclusion across diverse stakeholder groups.

A geneticist by training, she holds a PhD from the University of Cambridge, UK. She sits on the advisory board of the Centre for Personalized Medicine at the University of Oxford. She presides over the jury for the Nature Award for Mentoring in Science and the Nature Award for Inspiring Women in Science. She sits on the advisory board for the newly created Einstein Foundation for Promoting Quality in Research.

Barbara R. Snyder

Member

President
Association of American Universities

Barbara Snyder is President of the Association of American Universities. Prior to that, from 2007 to 2020, she served as President of Case Western Reserve University, where she encouraged interdisciplinary excellence, catalyzed institutional collaboration, and reinvigorated alumni engagement and fundraising.

Snyder is a director of KeyCorp and Progressive Corporation. She is an elected member of the American Law Institute. Before coming to AAU, Snyder served as past chair of the board of directors of the American Council on Education, past chair of the board of directors at the Business-Higher Education Forum, past vice chair of the board of trustees of Internet2, past director of the Greater Cleveland Partnership, past director of Jobs Ohio, past trustee of University Circle, Inc, and past member of the Ohio Business Roundtable.

Snyder graduated from the University of Chicago School of Law, where she served as executive editor of its law review, and earned her bachelor's degree from Ohio State. In addition to the Strategic Council, she has served as an ex officio member of the National Academies Roundtable on Aligning Incentives for Open Science.

Ellen R. Stofan

Member

Under Secretary for Science and Research
Smithsonian Institution

Dr. Ellen Stofan oversees the science museums and science research centers as well as the Smithsonian Libraries and Archives and Smithsonian Scholarly Press. Her focus is on the Smithsonian's Our Shared Future: Life on a Sustainable Planet initiative and collective research, especially in areas of biodiversity, climate change, global heath, sustainable communities, and environmental justice.

Stofan previously was the John and Adrienne Mars Director of the Smithsonian's National Air and Space Museum. As the former Chief Scientist of NASA, Stofan served as the principal advisor to the Administrator on science programs and strategic planning. Currently, she is on the science team of the NASA Dragonfly mission to Titan.

Stofan holds master's and doctorate degrees in geological sciences from Brown University, and a bachelor's degree from the College of William & Mary. She previously served as chair of the National Academies Planetary Science Decadal Survey: Inner Planets Panel and as an ex officio member of the Government-University-Industry Research Roundtable.

Lehana Thabane

Member

Professor/Vice-President Research
McMaster University/St. Joseph’s Healthcare Hamilton

Dr. Lehana Thabane is a Vice President of Research at St Joseph’s Healthcare—Hamilton; Scientific Director of the Research Institute at St Joseph’s Healthcare; and Professor of Biostatistics in the Department of Health Research Methods, Evidence, and Impact at McMaster University. He has co-authored over 1000 peer-reviewed manuscripts leading to significant contributions and transformation of science, healthcare, and delivery of care in many clinical areas.

Dr. Thabane is an elected member of the International Statistical Institute, Fellow of the Royal Society of Canada, Fellow of the American Statistical Association, Fellow of the Society for Clinical Trials, Fellow of the Canadian Academy of Health Sciences, and Honorary Foreign Associate Member of the Academy of Science of South Africa. He was a recipient of an honorary degree from Stellenbosch University in South Africa in December 2023 for his contribution to clinical trial methodology.

Dr. Thabane received an MSc in Statistics from the University of Sheffield and a PhD in Statistics from Western University.

Susan M. Wolf

Member

(NAM)
Professor
University of Minnesota

Prof. Susan M. Wolf is Regents Professor; McKnight Presidential Professor of Law, Medicine & Public Policy; Faegre Baker Daniels Professor of Law; Professor of Medicine; and Chair of the Consortium on Law and Values in Health, Environment & the Life Sciences at the University of Minnesota. She has published extensively on legal, ethical, and policy issues in health care, biomedical research, and emerging technologies, with articles in Science, New England Journal of Medicine, JAMA, Genetics in Medicine, Journal of Law, Medicine & Ethics, and others. She is a member of the National Academy of Medicine, fellow of the American Association for the Advancement of Science, member of the American Law Institute, and fellow of The Hastings Center.

Wolf earned her JD from Yale Law School and A.B. (with highest honors) from Princeton University. She was a National Endowment for the Humanities Fellow and then Associate for Law at The Hastings Center, then a Fellow in Harvard University’s Program in Ethics and the Professions, before joining the faculty at the University of Minnesota. She has served on numerous advisory bodies including the National Academies Committee on Science, Engineering, Medicine, and Public Policy (COSEMPUP); National Science Advisory Board for Biosecurity; Association of American Law Schools, Section on Law, Medicine & Health Care (past-Chair); American Society for Bioethics and Humanities, Board of Directors; and Minnesota COVID Ethics Collaborative (Co-Lead). In addition to serving on COSEMPUP, Prof. Wolf has served on two consensus committees for the National Academies, has reviewed proposed committee reports, and has served as a speaker for multiple workshops.

Neil H. Shubin

Ex Officio Member

(NAS)
President
National Academy of Sciences

Neil H. Shubin is an evolutionary biologist and the president of the National Academy of Sciences. A renowned scientist, educator, author, and science communicator, Shubin most recently served as the Robert R. Bensley Distinguished Service Professor of Organismal Biology and Anatomy and vice dean for academic advancement at the University of Chicago, where he led a dynamic multidisciplinary research laboratory that has integrated breakthroughs in paleontology with an understanding of the molecular biology of development. He has also held faculty and senior leadership posts at the University of Pennsylvania, the Marine Biological Laboratory in Woods Hole, Massachusetts, and the Field Museum in Chicago. Shubin has led fossil-hunting expeditions around the world. In 2004, his multidisciplinary team found a fossil representing an intermediate body plan between fish and amphibians, which they named Tiktaalik. In 2008, Shubin published his critically acclaimed book Your Inner Fish, a national bestseller that received the Phi Beta Kappa Award in Science and was recognized by the National Academy of Sciences as the best science book of the year. Shubin has received numerous distinctions and honors, including the Roy Chapman Andrews Society Distinguished Explorer Award in 2019 and the 2024 Viktor Hamburger Outstanding Educator Prize. Shubin earned his bachelor’s degree in biology from Columbia College of Columbia University in 1982 and a Ph.D. in organismic and evolutionary biology from Harvard University in 1987. He did his postdoctoral work at the University of California, Berkeley.

Sarah Rovito

Staff Officer