

# **On Being a Scientist Panel on Responsible Conduct and Stewardship of the Research Process**

## **Committee**

### **Penny Gordon-Larsen**

#### **Chair**

Dr. Penny Gordon-Larsen is the W. R. Kenan, Jr. Distinguished Professor in Nutrition and the Vice Chancellor for Research at UNC-Chapel Hill. Notably, she oversees research integrity, science and security, ethics, and education, as well as all research compliance functions of the university, promotes institutional culture around rigor and responsibility, and oversees the postdoctoral program. Her research spans molecular to community contributions to obesity and its cardiometabolic consequences. She leads collaborative, international research teams, including an ongoing NIH training grant on global cardiometabolic diseases.

Gordon-Larsen served on the National Institute of Health (NIH)'s National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Scientific Advisory Council and chair of the Kidney, Nutrition, Obesity, and Diabetes (KNOD) study section. As President of the scientific professional society, the Obesity Society, she oversaw the society journal, Obesity. She has received two distinguished professorships and several national awards, including the Eli Lilly Scientific Achievement Award George A. Bray Founders Award and the from the Obesity Society.

Gordon-Larsen received her PhD and MA specializing in Human Biology from the University of Pennsylvania, her BA from Tulane University, and her postdoctoral fellowship in nutrition epidemiology at the University of North Carolina at Chapel Hill. She currently serves as a member of the overarching committee for On Being a Scientist: An Updated and Online Guide to the Responsible and Ethical Conduct of Research.

## **Szczepan Baran**

### **Member**

Dr. Szczepan Baran founded Baran Café, an innovation consultancy modernizing evidence generation, and Tech4Pets, an AI company advancing behavioral and health analytics for companion animals. As a Research Associate at KU Leuven's Division of Animal and Human Health Engineering, he integrates New Approach Methodologies (NAMs), digital biomarkers, and AI modeling to connect preclinical discovery with clinical and regulatory relevance.

He co-leads the NIH Complement-ARIE Validation and Qualification Network (VQN) as Industry Co-Chair of the Foundation for the NIH, defining validation frameworks for NAMs and digital models. In Europe, he contributes to the Innovative Health Initiative NHPig project, developing predictive micro- and mini-pig models to replace non-human primates in safety testing.

Baran received an MS in Comparative Physiology in Medicine from the University of Washington School of Medicine and a VMD from the University of Pennsylvania School of Veterinary Medicine. He has served as a committee member on several National Academies activities related to animals in research.

## **Steven N. Goodman**

### **Member**

Dr. Steven 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 Strategic Council for Research Excellence, Integrity, and Trust.

## **Susan L. Graham**

### **Member**

Dr. Susan L. Graham is the Pehong Chen Distinguished Professor of Electrical Engineering and Computer Science Emerita and a Special Advisor to the Dean of the College of Computing, Data Science, and Society at the University of California, Berkeley. Her research has spanned programming language design and implementation, software tools, software development environments, and high-performance computing.

Dr. Graham is a member of the National Academy of Engineering (NAE) and the American Academy of Arts and Sciences, a Fellow of the American Association for the Advancement of Science, the Association for Computing Machinery (ACM), and the Institute of Electrical and Electronics Engineers (IEEE), and an Eminent Member of Eta Kappa Nu, the engineering honor society. Her awards include the IEEE von Neumann Medal, the ACM/IEEE Ken Kennedy Award, the Harvard Medal, and the Berkeley Citation.

She received an AB in mathematics from Harvard University and MS and PhD degrees in Computer Science from Stanford University. She is a former member of the National Academies Computer Science and Telecommunications Board and currently serves on the NAE Council.

## **Laura H. Greene**

### **Member**

Dr. Laura H. Greene is Chief Scientist at the National High Magnetic Field Laboratory and the Marie Krafft Professor of Physics at Florida State University. Her research is on quantum materials, focusing on fundamental studies of novel materials, their synthesis, and the mechanisms of unconventional superconductivity.

Greene is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, is a fellow of the Institute of Physics (U.K.), the AAAS, and the APS. She received the AAPT Oersted Medal, Tallahassee Scientific Society Gold Medal, American Physical Society Five Sigma Physicist Award for Advocacy in Science Policy, E.O. Lawrence Award for Materials Research, APS Maria Goeppert-Mayer Award, the Bellcore Award of Excellence; and has been a Guggenheim Fellow.

Greene received an MS in Physics from the Ohio State University, an MS in Experimental Physics and a PhD in Physics from Cornell University. She has served on numerous National Activities committees, including as chair and, currently, ex officio member of the U.S. Liaison Committee for the International Union of Pure and Applied Physics.

# **Nancy Kass**

## **Member**

Nancy Kass, ScD, is Phoebe R. Berman Professor of Bioethics and Public Health at Johns Hopkins, where she is also Deputy Director for Public Health in the Berman Institute of Bioethics and Professor of Health Policy and Management in the Johns Hopkins Bloomberg School of Public Health (JHSPH). Dr. Kass conducts empirical work in bioethics and health policy. Her publications are in U.S. and global research ethics, public health ethics, infectious diseases and ethics policy, and ethics and the learning healthcare system.

Kass received two Dean's awards for mentoring and developed guidance on mentoring for PhD students across Johns Hopkins University (while serving as Vice-Provost) and for mentoring of junior faculty in her academic department. She is an elected member of the National Academy of Medicine and an elected fellow of the Hastings Center.

Kass held a postdoctoral fellowship in Bioethics at Georgetown University's Kennedy Institute of Ethics and received an ScD in Health Policy and Management from Johns Hopkins Bloomberg School of Public Health. She has served on numerous National Academies committees, including as a member of the Division Committee for the Health and Medicine Division.

# **Mo Wang**

## **Member**

Dr. Mo Wang is a University Distinguished Professor and the Lanzillotti-McKethan Eminent Scholar Chair and the Associate Dean for Research and Strategic Initiatives at the Warrington College of Business at University of Florida. He is also the Chair of the Management Department and the Director of Human Resource Research Center at University of Florida. He specializes in research areas of organizational behavior and human resource management, especially on team science.

He received numerous research awards for his research in these areas, including Academy of Management (AOM) HR Division Scholarly Achievement Award, Careers Division Best Paper Award, European Union's Erasmus Mundus Scholarship Award for Work, Organizational, and Personnel Psychology, Emerald Group's Outstanding Author Contribution Awards, Society for Industrial-Organizational Psychology's (SIOP) William A. Owens Scholarly Achievement Award, and Journal of Management Scholarly Impact Award. He is an elected Foreign Member of Academia Europaea (M.A.E) and a Fellow of AOM, APA, APS, and SIOP.

Wang has a PhD in Industrial-organizational Psychology and Developmental Psychology from Bowling Green State University. He has served as a member on several National Academies committees and as a co-chair of the Research and Application in Team Science committee.

## **Billy M. Williams**

### **Member**

Billy M. Williams is the Executive Vice President for Ethics and Organizational Advancement at the American Geophysical Union (AGU). Prior to joining AGU as Science Director in 2012, Williams served as a Senior Program Officer at the National Academy of Sciences and as a Global R&D Director at the Dow Chemical Company.

Williams has served as Principal Investigator on research grants from multiple governmental and philanthropic funding organizations. In 2018, he co-led the founding of the Societies Consortium for Ending Harassment in STEMM—an organization with more than 100 scientific societies members. In addition to other leadership responsibilities at AGU, Williams leads the AGU Ethics Office, responsible for scientific research integrity standards and education, plus other AGU global ethical standard initiatives, such as the ethical framework for climate intervention research.

Williams received his BS Degree in Chemistry from UNC- Chapel Hill, and an MS in Organic Chemistry from Central Michigan University. Williams was a member of the 2017-2018 National Academy of Sciences' Committee on Impact of Sexual Harassment in Academic Science Engineering and Medicine. He also served on the 2023 National Dialogue on the State of Research Integrity Education Committee, sponsored by the Association of Practical and Professional Ethics.

## **Elizabeth Cady**

### **Staff Officer**

## **Kait Spear**

### **Staff Officer**