

Ranking FDA Product Categories Based on Health Consequences, Phase II

Committee

Robert S. Lawrence

Chair

Robert S. Lawrence is The Center for a Livable Future (CLF) professor and director of the CLF in the Department of Environmental Health Sciences, professor of health policy and international health at the Johns Hopkins Bloomberg School of Public Health and professor of medicine at the Johns Hopkins School of Medicine. His expertise and research interests include community and social medicine, human rights, health promotion and disease prevention, evidence-based decision rules for prevention policy, and food security. Dr. Lawrence is a master of the American College of Physicians and a fellow of the American College of Preventive Medicine. He is also a member of the Institute of Medicine and has served on numerous National Academies committees, most recently the Committee on Adolescent Health Care Services and Models of Care for Treatment, Prevention, and Health Development and the Committee to Evaluate Measures of Health Benefits for Environmental, Health, and Safety Regulation. Dr. Lawrence received his MD from Harvard Medical School and trained in internal medicine at the Massachusetts General Hospital.

Jeffrey B. Bender

Member

Jeffery B. Bender is an associate professor of veterinary public health for the College of Veterinary Medicine and has an adjunct appoint in the School of Public Health at the University of Minnesota. He currently serves as the Director for the Center for Animal Health and Food Safety. His main research interests are zoonoses and emerging diseases, food safety, and antimicrobial resistance. Dr. Bender teaches courses on veterinary public health, diseases common to humans and animals, factors for the emergence of zoonotic diseases, methods for epidemiologic investigations, and infectious disease surveillance. He has published numerous scientific articles and two book chapters, and he is a diplomate of the American College of Veterinary Preventive Medicine. Dr. Bender received his DVM from the University of Minnesota.

Francisco Diez-Gonzalez

Member

Francisco Diez-Gonzalez is an associate professor in the Department of Food Science and Nutrition at the University of Minnesota. His research expertise is in the areas of food safety microbiology, foodborne pathogens, safety of fresh fruits and vegetables, pre-harvest control of pathogenic *E. coli*, bioterrorism agents, and safety of organic food. Dr. Diez-Gonzalez teaches

courses in Food Safety and Food Microbiology. He has served on the University of Minnesota Institutional Biosafety Committee, and he has advised both undergraduate and graduate students.

He is also the recipient of the New Career Excellence Award for the College of Human Ecology at the University of Minnesota. He is member of the editorial board of *Journal of Food Protection* and *Food Analytical Methods*. Dr. Diez-Gonzalez received his PhD in food science from Cornell University.

Kathryn M. Edwards

Member

Kathryn M. Edwards is Sarah H. Sell Chair in Pediatrics and the director of the Vanderbilt Vaccine Research Program at Vanderbilt University Medical Center. Her research interests focus on the evaluation of vaccines for the prevention of infectious diseases in adults and children. She is a fellow of the Infectious Diseases Society of America and the American Academy of Pediatrics. Dr. Edwards has previously served as a member of the Advisory Committee on Immunization Practices of the Centers for Disease Control and Prevention and the Vaccines and Related Biological Products Advisory Committee of the Food and Drug Administration. She is a member of the Institute of Medicine and has also served as a member of the National Academies Committee to Assess the Safety and Efficacy of the Anthrax Vaccine. Dr. Edwards received her MD from the University of Iowa College of Medicine.

Susan S. Ellenberg

Member

Susan S. Ellenberg is professor of biostatistics and associate dean for clinical research at the University of Pennsylvania School of Medicine. Her research interests focus on issues related to the design and analysis of clinical trials and on the assessment of medical product safety. Dr. Ellenberg is associate editor of *Clinical Trials* and the *Journal of the National Cancer Institute*. She is a fellow of the American Statistical Association, the Society for Clinical Trials, and the American Association for the Advancement of Science. She has also served as a member of the National Academies Planning Committee for The IOM Drug Safety Report: Resource Implications, the Committee on the Assessment of the U.S. Drug Safety System, and the Committee on Applied and Theoretical Statistics. Dr. Ellenberg received her PhD in mathematical statistics from George Washington University.

Paul S. Fischbeck

Member

Paul S. Fischbeck is professor of social and decision sciences, professor of engineering and public policy, and director of the Center for the Study and Improvement of Regulation at Carnegie Mellon University. His research focuses on the quantification and communication of uncertainty, including theoretical improvements to decision analysis and numerous applied real world problems. Dr. Fischbeck has written extensively on various applications of decision and risk analysis methods and has won several awards from the Institute of Operations Research and Management Sciences. He has served on several National Research Council committees, including the Committee on Marine Salvage Response Capability: A Workshop and the Committee on Risk Assessment and Management of Marine Systems. Dr. Fischbeck received a PhD in industrial engineering and engineering management from Stanford University.

Karen E. Jenni

Member

Karen E. Jenni is president of Insight Decisions LLC, focusing on the application of decision analysis methods to energy and environmental policy issues. Much of that work emphasizes the assessment, quantification, and modeling of a variety of risks, leading to recommendations about productive areas for applied research and effective risk management strategies. Recent public sector projects include participation in a probabilistic volcanic hazard analysis for the Yucca Mountain region, and a multi-disciplinary study on Selenium mobilization from large scale ground disturbances, transport through environmental media, and the potential effects on biota. She served as a consultant to the National Academies Committee on the Prospective Evaluation of Applied Energy Research and Development at Department of Energy (Phase 2). Dr. Jenni earned a PhD in engineering and public policy from Carnegie Mellon University.

Helen H. Jensen

Member

Helen H. Jensen is a professor of economics and head of the Food and Nutrition Policy Division of the Center for Agricultural and Rural Development at Iowa State University. Her research areas are food and nutrition policy, analysis of food consumption behavior, economics of food safety, and health risk assessment. Dr. Jensen is currently on the board of directors of the American Agricultural Economics Association and the Council on Food, Agricultural and Resource Economics, and is on the editorial board of Food Economics. She has served on U.S. Department of Agriculture expert review panels, including the Panel on Measuring Food Security in the United States and the Panel on the Health Eating Index. She has also served on several National Academies committees and is currently a member of the Committee on Nutrition Standards for National School Lunch and Breakfast Programs. Dr. Jensen received her PhD in agricultural economics from the University of Wisconsin, Madison.

L. R. Keller

Member

L. Robin Keller is a professor of operations and decision technologies at the University of California, Irvine. Her research interests are in decision analysis, risk analysis, creative problem structuring, and behavioral decision theory. She is the editor-in-chief of Decision Analysis. Dr. Keller has served as program director for the Decision, Risk, and Management Science Program of the U.S. National Science Foundation, and she has conducted studies with the U.S. Environmental Protection Agency and the Department of Energy. She has served as a member of the National Research Council (NRC) Committee to Assess the Distribution and Administration of Potassium Iodide in the Event of a Nuclear Incident, and she is currently a member of the NRC's U.S. National Committee for the International Institute for Applied Systems Analysis. Dr. Keller received her PhD from the University of California, Los Angeles.

James D. McKean

Member

James D. McKean is an extension veterinarian and professor in the Department of Veterinary Diagnostic and Production Animal Medicine and associate director of the Iowa Pork Industry Center at Iowa State University. His areas of interest include the assessment and prevention of chemical and drug residues in feed and food animals, quality assurance, food safety, food law, pseudorabies control, and animal welfare and well-being. At Iowa State University's Food Safety Consortium, his research involves sulfamethazine depletion in market-weight swine, medical and feed management for sulfamethazine, and comparing sulfamethazine depletion with sulfamethazine activity from previous experiments. Dr. McKean has previously served on several national committees for governmental policy development, including the Swine Futures Team, the Taskforce on the Future of FSIS Veterinarians, and as chair of the AASV Pork Safety Committee. He has also served as a member of the National Research Council Committee on Implications of Dioxin in the Food Supply. Dr. McKean earned a JD from Drake University and a DVM from the University of Illinois.

David O. Meltzer

Member

David O. Meltzer is an associate professor in the Department of Medicine, chief of the Section of Hospital Medicine, and an associated faculty member in both the Harris School and the Department of Economics at the University of Chicago. He is also director of the Center for Health and the Social Sciences and co-director of the Program on Outcomes Research Training. Dr. Meltzer's research explores problems in health economics and public policy, with a focus on theoretical foundations of medical cost-effectiveness analysis and the effects of managed care and medical specialization on the cost and quality of care. He is the recipient of numerous awards, including the National Institute of Health Medical Scientist Training Program Fellowship, the National Science Foundation Graduate Fellowship in Economics, and the Lee Lusted Prize of the Society for Medical Decision Making. He is also the immediate past president of the Society of Medical Decision Making. Dr. Meltzer has served on several National Academies committees, most recently the Committee on the Assessment of the U.S. Drug Safety System and the Committee on Establishing a National Cord Blood Stem Cell Bank Program. He received both his MD and PhD in economics from the University of Chicago.

Sanford A. Miller

Member

Sanford A. Miller is a senior fellow at the Joint Institute for Food Safety and Applied Nutrition at the University of Maryland. He was named professor and dean emeritus of the Graduate School of Biomedical Sciences at the University of Texas Health Science Center in December 2000, after serving as dean from 1987 to 2000. He was formerly the director of the Center for Food Safety and Applied Nutrition at the Food and Drug Administration. Dr. Miller has served on many national and international government and professional society advisory committees, including the National Advisory Environmental Health Sciences Council of the National Institutes of Health and the Joint World Health Organization / United Nations Food and Agricultural Organization Expert Advisory Panel on Food Safety. He is currently serving as a member of the National Academies Food and Nutrition Board; the Committee for the Review of Food Safety and Defense Risk Assessments, Analyses, and Data; and as chair of the Committee on Use of Process Indicators for Risk Ranking Processing and Slaughtering Establishments in FSIS Public Health Risk-Based Inspection System. Dr. Miller received his PhD in physiology and biochemistry from Rutgers, The State University of New Jersey, New Brunswick.

Richard Platt

Member

Richard Platt is professor and chair of the Department of Ambulatory Care and Prevention and a professor of medicine at the Harvard Medical School. His research focuses on the safety and effectiveness of marketed drugs and vaccines, and on infectious diseases in the community and hospital settings. Dr. Platt is the former chair of the Food and Drug Administration Drug Safety and Risk Management Advisory Committee. He is a member of the Advisory Panel for Research of the Association of American Medical Colleges and has chaired the executive committee of the HMO Research Network, the Epidemiology and Disease Control study section of the National Institutes of Health, and the steering committee of the Centers for Disease Control and Prevention's Office of Health Care Partnerships. He has also served on several National Academies committees and is currently a member of the Roundtable on Evidence-Based Medicine. Dr. Platt received his MD from Harvard Medical School.

John T. Watson

Member

John T. Watson is a professor of bioengineering at the University of California, San Diego. Formerly, he was director of clinical and molecular medicine of the National Heart, Lung, and Blood Institute of the National Institutes of Health (NIH) and contributed a total of 27 years of service to NIH. Dr. Watson is a mechanical engineer and physiologist who is interested in finding ways to reduce the time it takes medical technology to move from a concept into the clinic. His areas of research include heart failure, medical implant design and science, and biomaterials. Dr. Watson is a founding fellow and former President of the American Institute of Medical and Biological Engineering and has received numerous honors, including a member of the Greatest Engineering Achievements of the 20th Century selection committee, and invitations to be a member of the Japanese Kyoto Prize nominating committee, and the National Academy of Engineering Draper Prize selection committee. He is a member of the National Academy of Engineering and has participated in several National Research Council activities, including as a speaker at a Workshop on Innovation and Invention in Medical Devices and as a member of the Committee to Develop a Research Agenda for Test Methods and Models to Simulate Accelerated Aging of Infrastructure Materials. Dr. Watson earned a PhD from the University of Texas Southwestern Medical Center at Dallas.