

Food Safety Research Consortium

A MULTI-DISCIPLINARY COLLABORATION TO IMPROVE PUBLIC HEALTH

Principal Bios of the FSRC Steering Committee

Julie A. Caswell is a Professor of Resource Economics and Adjunct Professor of Food Science at the University of Massachusetts. She has a B.S. in Public Affairs Management from Michigan State University, and an M.S. in Economics and a Ph.D. in Agricultural Economics and Economics from the University of Wisconsin. Her research focuses on understanding the operation of domestic and international food systems, with particular interest in the economics of food quality, especially safety and nutrition, and international trade. Her edited books include *Economics of Food Safety*, *Valuing Food Safety and Nutrition*, and *Global Food Trade and Consumer Demand for Quality*. Dr. Caswell has provided her expertise to the United Nations Food and Agriculture Organization and the Organization for Economic Cooperation and Development on food safety and labeling issues. From 1989-2002 she chaired Regional Research Project NE-165 an international group of over 100 economists who analyzed the operation and performance of the food system. She has held numerous senior positions with the American Agricultural Economics Association and the Northeastern Agricultural and Resource Economics Association. Dr. Caswell is the recipient of an Outstanding Teaching Award and a Certificate of Achievement for Outstanding Research Contributions from the College of Food and Natural Resources at the University of Massachusetts. She has taught graduate courses in Poland, Italy, Brazil, and Spain.

Michael P. Doyle is a Regents Professor of Food Microbiology and Director of the Center for Food Safety at the University of Georgia. He is a graduate of the University of Wisconsin-Madison where he received his B.S. degree in Bacteriology, and M.S. and Ph.D. degrees in Food Microbiology. Dr. Doyle is an active researcher in the area of foodborne bacterial pathogens and works closely with the food industry on issues related to the microbiological safety of foods. His research has focused on the study of microbial pathogenicity, the development of methods for pathogen detection, and the identification of means to control or eliminate pathogens in foods. He serves on food safety committees of many scientific organizations and has served as a scientific advisor to many groups, including the World Health Organization, the Institute of Medicine, International Life Sciences Institute-North America, the Food and Drug Administration, the U.S. Department of Agriculture, the U.S. Department of Defense, and the U.S. Environmental Protection Agency. He has published more than 400 scientific publications, is editor of two authoritative books, *Foodborne Bacterial Pathogens* and *Food Microbiology: Fundamentals and Frontiers*, and has given more than 500 invited presentations at national and international scientific meetings. In addition, he has received several research awards from academic and national scientific organizations, has been elected a Fellow of the American Academy of Microbiology, the International Association for Food Protection, and the Institute of Food Technologists, and has been awarded several named Lectureships.

Jerry R. Gillespie is the first Director of the Western Institute for Food Safety and Security at the University of California, Davis. Dr. Gillespie earned his Doctor of Veterinary Medicine degree from Oklahoma State University in 1961, spent one year in veterinary practice, and completed his doctorate in comparative pathology at the University of California, Davis, in 1965. After a postdoctoral fellowship with the Cardiovascular Research Institute at the University of California (UC) San Francisco Medical Center, he joined the faculty of the UC Davis Schools of Veterinary Medicine and Medicine. Dr. Gillespie remained in Davis from 1966 until 1985, becoming known for his applications of heart-lung physiology to the developing field of equine anesthesiology. He has published more than 100 original scientific publications contributing internationally to a fuller understanding of respiratory disease, equine exercise physiology and food safety. In 1985, Dr. Gillespie moved to Kansas State University College of Veterinary Medicine to become Head of the Veterinary Teaching Hospital and Department of Clinical Sciences. While at the college, Gillespie observed the strong links between the state and its food agriculture industry and began to promote research on food animals and food safety. He helped found the Kansas State University Food Animal Health and Management Center in 1994. Dr. Gillespie served as first executive director of the Joint Institute for Food Safety Research, U.S. Department of Agriculture and U.S. Department of Health and Human Services. From 2000 until 2002, he and the institute have brought together 20 federal agencies conducting food safety research and laid the groundwork for further collaborations with state agencies, private industry groups and international partners. Professional service contributions encompass several national and international organizations, including the American Veterinary Medical Association, the Academy of Veterinary Cardiology, the American College of Veterinary Anesthesiologists and numerous equine groups. He has also led numerous professional committees and task forces related to food safety and veterinary education.

Helen H. Jensen is professor of economics and head of the Food and Nutrition Policy Division in the Center for Agriculture and Rural Development (CARD) at Iowa State University. Her major areas of research are food and nutrition policies, food security and the economics of food safety and food hazard control options. In CARD, she leads a research program on economics of food programs and policies, including food safety. Her research addresses the implications of changes in the design of food programs and food safety regulations. Within the Consortium, she is developing methods and procedures for assessing exposure to foodborne contaminants in the food supply and studying the economics of hazard controls in pork processing. This includes the development of a statistical framework for evaluating relative health risks and intervention strategies in the food distribution chain, monitoring food hazard exposure, evaluating the cost effectiveness of HACCP implementation, and valuation of food safety. She recently served as chair of the Food Safety and Nutrition Section of the American Agricultural Economics Association, and is currently serving on several committees of the National Academy of Sciences. She joined the faculty at Iowa State in 1985. Dr. Jensen holds a masters degree in agricultural and applied economics from the University of Minnesota and a Ph.D. degree in agricultural economics from the University of Wisconsin.

Alan Krupnick is Senior Fellow and Director of the Quality of the Environment Division at Resources for the Future in Washington, DC. His research focuses on analyzing environmental issues, in particular, the benefits, costs, and design of air pollution policies, both in the United States and in developing countries. His research also addresses the valuation of health and

ecological improvements, including the valuation of health outcomes due to foodborne illness using monetary measures such as willingness-to-pay and non-monetary Quality of Life measures such as QALYs . Additional food safety research includes efforts in ranking foodborne illness risks, expert elicitation surveys of the attribution of illnesses to foods, benefits transfer and the value of food safety, and examination of CAFOs. He is co-author of the chapter “Best Things First: Rethinking Priority Setting for Food Safety Policy” in *Towards Safer Food*, edited by Sandra Hoffmann and Michael Taylor, and co-author, with Sandra Hoffmann, of the chapter “Performance Standards for Food Safety” in *New Approaches on Energy and the Environment: Policy Advice for the President*, edited by Richard D. Morgenstern and Paul R. Portney. Krupnick has served as a consultant to state governments, federal agencies, private corporations, the Canadian government, the European Union, the World Health Organization, and the World Bank. He cochaired an advisory committee that counseled the U.S. Environmental Protection Agency on new ozone and particulate standards. Krupnick also served as senior economist on the President's Council of Economic Advisers, advising the Clinton administration on environmental and natural resource policy issues. He is a regular member of expert committees from the National Academy of Sciences and has served on a Royal Society of Canada committee analyzing ambient air quality standard setting in Canada.

J. Glenn Morris, Jr. is Professor and Chairman of the Department of Epidemiology and Preventive Medicine at the University of Maryland School of Medicine. He received his B.A. from Rice University in Houston in 1973, a master's degree in public health and tropical medicine and his MD degree from Tulane University, New Orleans, in 1977. Dr. Morris has a strong research interest in the area of emerging pathogens: he maintains an active, NIH-funded laboratory working in the area of molecular genetics and molecular epidemiology; is involved in hospital studies looking at emergence of resistant microorganisms; has worked extensively with clinical, laboratory, and environmental issues related to harmful algal blooms; and serves as co-PI of the Centers for Disease Control and Prevention (CDC) Emerging Infections Program sentinel surveillance site (FoodNet) in Maryland. He has served on four National Academy of Sciences expert committees dealing with food safety. From 1994-1996, he worked with the Food Safety Inspection Service, U.S. Department of Agriculture, on the first major revision of food safety regulations since 1906.

Michael R. Taylor is a Professor in the Department of Epidemiology and Preventive Medicine at the University of Maryland School of Medicine and a Senior Research Scholar in the University's School of Public Policy. Mr. Taylor chairs the Steering Committee of the Food Safety Research Consortium. He received a B.A. in political science from Davidson College and a law degree from the University of Virginia. His personal research addresses public health policy in the United States, focusing on the role of public health institutions and the effective use of public and private resources to prevent public health problems, and the role of foreign assistance in fostering agriculture-led economic growth in Africa. Prior to joining the University of Maryland faculty in October 2005, Mr. Taylor was a Senior Fellow at Resources for the Future (RFF), served in government, practiced law in Washington, and worked in private industry. He was Administrator of the U.S. Department of Agriculture's (USDA) Food Safety and Inspection Service from 1994 to 1996, Deputy Commissioner for Policy at the Food and Drug Administration (FDA) from 1991 to 1994, and an FDA staff lawyer and Executive

Assistant to the FDA Commissioner from 1976 to 1981. Mr. Taylor practiced food and drug law and was a partner in the law firm of King & Spalding for ten years and, prior to joining RFF in June 2000, served for sixteen months as Vice President for Public Policy at Monsanto Company. He has served as co-chair of a National Academy of Sciences (NAS) Committee on the Use of Third Party Toxicity Research with Human Participants and as member of the NAS Committee on Defining Science-Based Concerns Associated with Products of Animal Biotechnology, which recently completed a report on *Animal Biotechnology – Science-Based Concerns* (The National Academies Press, 2002). Mr. Taylor is a member of the Board of Trustees of Resolve, Inc., a nonprofit environmental and public health mediation and dispute resolution organization and serves on the Advisory Committee of the Partnership to Cut Hunger and Poverty in Africa.

Ewen C. D. Todd is a Professor in the National Food Safety and Toxicology Center at Michigan State University. He is also Adjunct Professor in the Department of Food Science and Human Nutrition. At the NFSTC, Dr. Todd coordinates research in microbiology, toxicology, epidemiology, risk assessment and social science in the area of food safety, distance education programs, and outreach in the community. He is a graduate of Glasgow University with a B.S degree in Bacteriology and a PhD degree in bacterial systematics. Dr. Todd was formerly in the Bureau of Microbial Hazards, Health Products and Food Branch, Health Canada, Ottawa where he was a research scientist for 33 years working on methods development for pathogens in foods, foodborne disease investigation and reporting, costs and surveillance of disease, illnesses caused by seafood toxins, and risk assessment of foodborne pathogens such as *E. coli* O157 in hamburgers, *Salmonella* Enteritidis in eggs, *E. coli* O157:H7 in lettuce, *L. monocytogenes* in cabbage, and *Vibrio vulnificus* in oysters. He also helped develop risk management strategies for the Department including producing videos and pamphlets on food safety education. He serves on the FAO/WHO expert consultation for producing a risk assessment for *L. monocytogenes* in ready-to-eat foods. He is also currently working on *Listeria* modeling projects with colleagues at MSU. He also associated with MSU faculty involved with international projects in helping developing countries respond to SPS agreements. Dr. Todd has published more than 100 research papers, book chapters and booklets. He also has made over 250 presentations and posters at national and international meetings with over 170 invitations to speak. He has received the Government of Canada Distinctive Service Award for extraordinary teamwork and support to the Science and Technology Community; Recipient of the Excellence in Science Award for 1998 by Health Canada; Deputy Minister's Award of Team Excellence for the work done in promoting the Fight BAC! campaign in Canada; the Professional Institute of the Public Service of Canada Gold Medal for Pure and Applied Science; and he is Fellow of the International Association for Food Protection.