

## BIOSKETCHES

### Workshop Planning Committee

**Pamela Starke-Reed, Ph.D.** (Chair), is deputy administrator for Nutrition, Food Safety, and Quality at U.S. Department of Agriculture, Agriculture Research Service (ARS). Prior to joining ARS in 2014 she was deputy director of the National Institutes of Health (NIH) Division of Nutrition Research Coordination. In this role, Dr. Starke-Reed advised the NIH director and others on nutrition research issues and works with the NIH organizational components to coordinate nutrition research and research training initiatives. Since 1991, she has served as adjunct professor with the George Washington University Medical Center in Washington D.C. Dr. Starke-Reed is well known throughout the human nutrition community for her efforts at NIH to link nutritional sciences research with research on physical activity to better understand how the quality of diet and physical activity contribute to health and disease/obesity. As part of that effort, she was co-chair of the Subcommittee on Dietary Reference Intakes of the Interagency Committee on Human Nutrition Research (ICHNR). The ICHNR is a trans-federal government committee established to improve coordination and increase the effectiveness and productivity of Federal agencies engaged in nutrition research. In February 2014, Dr. Starke-Reed was named co-executive secretary for the ICHNR. She also serves as a reviewer for numerous journals, in particular on the editorial board of the Journal of Nutritional Biochemistry and as associate editor for Nutrition Reviews. She earned her B.S. in biology at St. Lawrence University in Canton, NY and her Ph.D. in pathology at Hahnemann University in Philadelphia, Pennsylvania.

**Johanna Dwyer, D.Sc., R.D.**, is a senior nutrition scientist at the National Institutes of Health Office of Dietary Supplements (ODS) where she works as a contractor, and professor of Medicine and Community Health at the Medical School and Friedman School of Nutrition Science and Policy at Tufts University. She is also senior scientist at the Jean Mayer/U.S. Department of Agriculture (USDA) Human Nutrition Research Center on Aging at Tufts University. At ODS her work involves the development of a Dietary Supplement Ingredient Database that provided analytically substantiated values for key ingredients in dietary supplements. Dr. Dwyer is involved in activities on understanding motivations and use of dietary supplements in Americans, and is currently supervising a study. She is the author or co-author of more than 220 original research articles and 290 review articles published in scientific journals on topics including preventing diet-related disease in children and adolescents; maximizing quality of life and health in the elderly, vegetarian and other alternative lifestyles, and dietary supplements. In addition to her work as a scholar and clinician, Dr. Dwyer's interests in public policy and specifically nutrition policy have led to extensive involvement and assignments in Washington, DC. Work on such projects has included the White House Conference on Food, Nutrition, and Health; the organization of nutrition research in the federal government; strengthening the role of human nutrition in the USDA; and assuring that the national population-based nutrition surveys remain strong. She has also been active in a number of professional associations, including being a member of the Food and Nutrition Board of the National Academies of Sciences, Engineering, and Medicine from 1990-2002. She is past president of the American Institute of Nutrition (now American Society of Nutrition) and the Society for Nutrition Education. Dr. Dwyer received her D.Sc. and M.Sc. from the Harvard School of Public Health, an M.S. from the University of Wisconsin, and completed her undergraduate degree with distinction from Cornell University. She is a member of the National Academy of Medicine and has served on its Council.

**Gordon L. Jensen, Ph.D., M.D.**, is senior associate dean for research and professor of medicine and nutrition at the University of Vermont College of Medicine. Dr. Jensen's research interests have focused largely on geriatric nutrition concerns. A major limitation in the identification of elders at nutritional risk has been the lack of valid methodologies that have been tested in rigorous research studies with well-defined outcome measures. His team has therefore emphasized the development and testing of nutrition screening and assessment tools in relation to specific functional and health care resource outcomes for older persons. In particular, Dr. Jensen has focused on the impact of obesity on these outcomes. He is past president of the American Society for Nutrition, past president of the American Society for Parenteral and Enteral Nutrition (ASPEN), and a current member of ASPEN's Foundation Board. Also, Dr. Jensen is a past chair of the Association of Nutrition Programs and Departments. He has served on advisory panels, study sections, or work groups for the National Institutes of Health, the American Dietetic Association, and the Food and Nutrition Board. Dr. Jensen received a Ph.D. in nutritional biochemistry from Cornell University and an M.D. from Cornell University Medical College.

**Catherine Kwik-Urbe, Ph.D.**, is global director of Applied Scientific Research and Scientific & Regulatory Affairs, Mars Symbioscience, a division of Mars, Incorporated. In her current role, she is responsible for managing scientific affairs and regulatory compliance for Mars Symbioscience. As part of her career at Mars, Dr. Kwik-Urbe has been actively involved in research into the unique role that the bioactives in foods can have in supporting and optimizing health; in her work, she has been largely focused on the bioactives in cocoa—known as cocoa flavanols. This global research program on cocoa flavanols has taken a multi-disciplinary research approach to understanding the role that these compounds can have in supporting human health, with research spanning from the development of validated analytical methods to human dietary intervention trials. In addition to this work, Dr. Kwik-Urbe lends her expertise to Mars, Inc. on scientific issues related to human nutrition, health, and well-being. Since joining Mars, Inc. in 2002, she remains actively engaged in research, having co-authored numerous papers and book chapters. Dr. Kwik-Urbe received her doctorate degree in human nutrition from the University of California, Davis and was a post-doctoral fellow at the University of California, Santa Cruz in the Department of Toxicology.

**Sharon Ross, Ph.D., M.P.H.**, is a program director in the Nutritional Science Research Group, Division of Cancer Prevention, National Cancer Institute (NCI), National Institutes of Health. In this capacity, she is responsible for directing, coordinating and managing a multi-disciplinary research grant portfolio in diet, nutrition, and cancer prevention. Prior to joining the NCI, Dr. Ross worked at the Center for Food Safety and Applied Nutrition, U.S. Food and Drug Administration (FDA), where she was involved in scientific review and regulation development for health claim labeling. Before FDA, Dr. Ross was a Cancer Prevention Fellow in the Division of Cancer Prevention and Control, NCI. Dr. Ross holds a B.S. in Nutrition and Dietetics from the University of New Hampshire, M.S. in Nutritional Sciences from the University of Connecticut, M.P.H. from Johns Hopkins University School of Public Health with an emphasis in epidemiology, and a Ph.D. in nutritional sciences from the University of Maryland. She did her doctoral dissertation research in the Laboratory of Cellular Carcinogenesis and Tumor Promotion at NCI where her research topic concerned the effects of retinoids in growth, differentiation, and cell adhesion.

**Mary T. Story, Ph.D., R.D.,** is professor of global health and community and family medicine and associate director, Education and Training, Duke Global Health Institute at Duke University. She started this position in January 2014. Prior to that she was senior associate dean for Academic and Student Affairs and professor in the Division of Epidemiology and Community Health in the School of Public Health, University of Minnesota where she was also adjunct professor in the Department of Pediatrics, School of Medicine. Dr. Story's interests are in the area of child and adolescent nutrition, obesity prevention, and environmental and policy approaches to improve healthy eating. She is the director of the National Program Office for the Robert Wood Johnson Foundation Healthy Eating Research program. Dr. Story's own research focuses on understanding the multiple factors related to eating behaviors of youth and environmental, community, and school-based interventions for obesity prevention and healthy eating. She has over 400 scientific publications in the area of child and adolescent nutrition and obesity. Dr. Story is a member of the Food and Nutrition Board and co-vice chair on the Roundtable on Obesity Solutions of the National Academies of Sciences, Engineering, and Medicine (Academies). She was previously a member of numerous Academies committees on school food, nutrition, food marketing, and obesity-related topics. She currently serves on the 2015 Dietary Guidelines Advisory Committee. Dr. Story received a Ph.D. in human nutrition science from Florida State University and is credentialed as a Registered Dietitian. She is a member of the National Academy of Medicine.

**Regina L. Tan, D.V.M., M.S., D.A.C.V.P.M.,** is director of the Office of Food Safety in the Food and Nutrition Service at the U.S. Department of Agriculture. She brings to this position more than 15 years of public health experience in preventive medicine, epidemiology, and systems analysis. Dr. Tan began her career as a Commissioned Corps officer in the U.S. Public Health Service and worked with the Centers for Disease Control and Prevention (CDC), first as an Epidemic Intelligence Service Officer then as a Preventive Medicine Fellow. She joined Food Safety Inspection Service's (FSIS)'s then-Human Health Sciences Division (now the Applied Epidemiology Staff) as a veterinary epidemiologist in 2003, where she managed the Consumer Complaint Monitoring System team and hurricane response components. In 2005, Dr. Tan rejoined CDC, as a liaison with the Armed Forces Medical Intelligence Center, and in 2006 she joined MITRE Corporation, where her management of a team of engineers was essential to developing innovative data architecture research and development across the federal government. She returned to FSIS in 2011 as director of the Applied Epidemiology Staff, and took over the Recall Management and Technical Analysis Division in 2013. Dr. Tan has led or served on numerous public health advisory committees, interagency teams and working groups pertaining to threats to public health. Dr. Tan earned her D.V.M. and M.S. from Purdue University and her B.S. in biology from the University of Maryland. She is also a Diplomate of the American College of Veterinary Preventive Medicine.

**Connie Weaver, Ph.D.**, is distinguished professor and head of the Department of Nutrition Science at Purdue University. In 2015 she was appointed as a Member to the Food and Drug Administration's Science Advisory Board. In 2014, Dr. Weaver was appointed to the National Institutes of Health (NIH) Advisory Committee on Research on Women's Health. She was bestowed the honor of the Spirit of the Land Grant Award in 2013. Dr. Weaver was selected as the Herbert Newby McCoy recipient in 2012, the most prestigious research honor given by Purdue University. As founder and director of the Women's Global Health Institute at Purdue University, she oversees the mission of improving the health of women globally through research and training by proactively identifying the causes and prevention of diseases related to women. In 2008, Dr. Weaver became deputy director of the NIH funded Indiana Clinical and Translational Science Institute. From 2000 to 2010, she was director of the NIH Purdue-University of Alabama-Birmingham Botanical Research Center to study dietary supplements containing polyphenolics for age-related diseases. Dr. Weaver's research interests include mineral bioavailability, calcium metabolism, and bone health. She is past-president of American Society for Nutritional Sciences. Dr. Weaver is on the Board of Trustees of the International Life Sciences Institute, National Osteoporosis Foundation and Science Advisory Board of Pharmavite. For her contributions in teaching, Dr. Weaver was awarded Purdue University's Outstanding Teaching Award. She has published over 380 research articles. Dr. Weaver received a Bachelor of Science and Master of Science in food science and human nutrition from Oregon State University. She received a Ph.D. in food science and human nutrition from Florida State University and holds minors in chemistry and plant physiology. Dr. Weaver is a member of the National Academy of Medicine and a member of the Food and Nutrition Board of the National Academies of Sciences, Engineering, and Medicine.

**Sylvia Rowe, M.A.** (Food Forum Chair), is currently president of SR Strategy, LLC which addresses the science to communications to policy continuum on a broad range of global health, nutrition, food safety and risk issues. She is also an adjunct professor at the University of Massachusetts Amherst and Tufts Friedman School of Nutrition Science and Policy. Previously, Ms. Rowe served as president and chief executive officer of the International Food Information Council (IFIC) and IFIC Foundation. During her eleven-year tenure, IFIC established itself as a leader in consumer research and consumer-based communications in nutrition, food safety, and health. Ms. Rowe has served on several Boards and Advisory Committees, including being a member of the National Academies of Sciences, Engineering, and Medicine Roundtable on Obesity Solutions. She is also a member of the International Women's Leadership Forum and the National Press Club among other professional groups. Ms. Rowe's background in media and expertise in issues management are reflected in her professional history as a producer and on-air host of several television and radio talk shows covering social, political, and economic and consumer issues. She previously held positions in public relations, marketing, and membership development for several diverse associations. Ms. Rowe received a bachelor's degree from Wellesley College and a master's degree from Harvard University.

## Speakers and Moderators

### Session 1

#### Changing Landscape: Demographics, Health Status, and Nutritional Needs

**Pamela-Starke-Reed** (see Workshop Planning Committee biosketches)

**Jennifer H. Madans, Ph.D.**, is associate director for science at the National Center for Health Statistics (NCHS). She is responsible for the overall plan and development of NCHS's data collection and analysis programs. Since Dr. Madans joined the NCHS, she has concentrated her research efforts on data collection methodology, measurement of health, and functioning and health services research. She has directed two national longitudinal studies (National Health and Nutrition Examination Survey I Epidemiologic Followup Study and the National Nursing Home Follow up Study) as well as the redesign of the National Health Interview Survey questionnaire. Dr. Madans was one of the designers of the Department of Health and Human Service Survey Integration Plan. She is a founding member and chair of the steering committees for three UN sponsored initiatives to develop internationally comparable measures of disability and health. Dr. Madans has served as an adjunct associate professor in the Division of Biostatistics and Epidemiology, Department of Community and Family Medicine, Georgetown University School of Medicine and in the Department of Demography at Georgetown. She is a Fellow of the American Statistical Association and an elected member of the International Statistical Institute and served as a vice president of the International Association of Official Statistics. Dr. Madans received her B.A. from Bard College and her M.A. and Ph.D. from the University of Michigan. She completed a Postdoctoral Fellowship in the Department of Epidemiology and Public Health at Yale University.

**Mary Ann Johnson, Ph.D.**, is Bill and June Flatt Professor in Foods and Nutrition at the College of Family and Consumer Sciences, and interim director of the Institute of Gerontology at the College of Public Health, University of Georgia. She conducts research and outreach programs for older people to improve dietary habits, physical activity, and self-management of chronic diseases. She also studies centenarians, aged 100 and older. Dr. Johnson teaches courses in food and nutrition policy, chronic diseases, obesity, and proposal writing; and graduates from her program go on to work in academia and government, and as dietitians in nursing homes, home health care, hospitals, and community health promotion programs. Through state and federal grants, Dr. Johnson and her staff provide nutrition, physical activity, wellness, and chronic disease self-management programs in communities. She serves on the Board of Directors of the Athens Community Council on Aging. Dr. Johnson collaborates with faith-based organizations, such as the Presbyterian Older Adult Ministry Network, and teaches "Process of Aging and Implications for Ministry" for the Certification in Older Adult Ministry at the Center for Lifelong Learning at Columbia Theological Seminary. She frequently speaks about aging, nutrition, and obesity, at local, state, national, and international events. As part of the American Society for Nutrition's presidential line, Dr. Johnson will serve as president of American Society for Nutrition (ASN) in 2017-2018. She has served ASN as a National Spokesperson, Scientific Program Committee Member, Medical Nutrition Council Secretary-Treasurer, Public Information Committee Chair, and Public Policy Committee Ex-Officio. Dr. Johnson is also a member of the Institute of Food Technologists and the Academy of Nutrition and Dietetics. She received her B.A. in chemistry from the University of Northern Iowa, and her Ph.D. in nutritional sciences from the University of Wisconsin, Madison.

**Session 2**  
**The Spectrum of Aging and Health Over the Lifespan**

**Catherine Kwik-Urbe** (see Workshop Planning Committee biosketches)

**Janet C. King, Ph.D.**, is a senior scientist at Children's Hospital Oakland Research Institute (CHORI). She also is a professor of Nutrition at the University of California, Berkeley and Davis. Dr. King is recognized internationally for her research in maternal nutrition and human zinc requirements. She has published over 250 papers and trained over 65 graduate students and post-doctoral fellows. Dr. King is the recipient of the International Underwood Award for Outstanding Research in Trace Elements, the W.O. Atwater award for distinguished nutrition research, and the Conrad Elvehjem award for public service in nutrition. She is a member of the National Academy of Medicine and the U.S. Department of Agriculture (USDA) Research Hall of Fame. Dr. King has been involved in implementing national and international nutrition policy throughout her career: she chaired the 2005 Dietary Guidelines Advisory Committee for the US and initiated the Dietary Reference Intake process as chair of the Food and Nutrition Board. Prior to moving to CHORI in 2003, Dr. King directed the USDA Western Human Nutrition Research Center at the University of California, Davis (1995-2002) and chaired the Department of Nutritional Sciences, University of California, Berkeley (1988-1994), where she had served on the faculty since 1974.

**Luigi Ferrucci, M.D., Ph.D.**, is scientific director of the National Institute on Aging (NIA), National Institutes of Health. Dr. Ferrucci is a geriatrician and an epidemiologist who conducts research on the causal pathways leading to progressive physical and cognitive decline in older persons. He was named chief of the Longitudinal Studies Section at NIA in September 2002, and from 2002 to 2014 he was director of the Baltimore Longitudinal Study on Aging. Between 1985 and 2002 he was chief of Geriatric Rehabilitation at the Department of Geriatric Medicine and director of the Laboratory of Clinical Epidemiology at the Italian National Institute of Aging. During the same period, he collaborated with the United States National Institute of Aging, Laboratory of Epidemiology, Demography, and Biometry where he spent several periods as visiting scientist. Dr. Ferrucci has made major contributions in the design of many epidemiological studies conducted in the U.S. and in Europe, including the European Longitudinal Study on Aging, the "ICare Dicomano Study," the AKEA study of Centenarians in Sardinia and the Women's Health and Aging Study. He was also the principal investigator of the InCHIANTI study, a longitudinal study conducted in the Chianti Geographical area (Tuscany, Italy) looking at risk factors for mobility disability in older persons. Dr. Ferrucci has redesigned the Baltimore Longitudinal Study on Aging to retain the wealth of data collected over more than 50 years while introducing new questions on the nature of aging emerged in the recent literature. Dr. Ferrucci received an M.D. and Ph.D. in biology and pathophysiology of aging in 1998 at the University of Florence, Italy.

**Gordon L. Jensen** (see Workshop Planning Committee biosketches)

### Session 3 Changes in Organ Systems Over the Lifespan

**Regina L. Tan** (see Workshop Planning Committee biosketches)

**Sharon Ross** (see Workshop Planning Committee biosketches)

**Tamara B. Harris, M.D., M.S.**, is senior investigator and chief of the Interdisciplinary Studies of Aging Section, Laboratory of Epidemiology and Population Sciences, National Institute on Aging. From Harvard, she joined the Office of Analysis and Epidemiology at the National Center for Health Statistics. Dr. Harris moved to the National Institute on Aging in 1991. Dr. Harris received her M.D. degree from Albert Einstein College of Medicine, New York, in 1978. She trained in internal medicine at Montefiore Hospital, Bronx, New York and in geriatric medicine at Harvard University, Division on Aging, where she was a Kaiser Fellow in Geriatric Medicine. She also obtained a M.S. in Epidemiology from Harvard School of Public Health and has a M.S. in Human Nutrition from Columbia University College of Physician's and Surgeons.

**Penny Kris-Etherton, Ph.D., R.D.N.**, is distinguished professor of nutrition in the Department of Nutritional Sciences at The Pennsylvania State University where she has been on the faculty since 1979. Her research expertise is cardiovascular nutrition. She conducts controlled clinical nutrition studies designed to evaluate the effects of nutrients, bioactives and dietary patterns on risk factors for cardiovascular disease. Dr. Kris-Etherton has served on national committees in the United States that have issued dietary guidelines (the 2005 Dietary Guidelines for Americans Advisory Committee and the 2002 National Academies Dietary Reference Intakes for Energy, Macronutrients and Cholesterol). She served on the 2<sup>nd</sup> Adult Treatment Panel of the National Cholesterol Education Program and the National Lipid Association Patient-Centered Lifestyle Guidelines Committee, both of which issued guidelines for the control of blood cholesterol levels. Presently, she is vice-chair of the American Heart Association (AHA) Council on Lifestyle and Cardiometabolic Health and past chair of the AHA Nutrition Committee. Dr. Kris-Etherton is a fellow of the American Heart Association, the National Lipid Association (and has served as president), and the American Society for Nutrition. She is the recipient of many awards including the Ralph Holman Lifetime Achievement Award from the American Oil Chemists' Society (2013-2014), the Kritchevsky Career Achievement Award from the American Society of Nutrition (2012), the Marjorie Hulsizer Copher Award from the American Dietetic Association (2007), the Elaine Monsen Research Award from the American Dietetic Association Foundation (2005), the Foundation Award for Excellence in Research by the American Dietetic Association (1998), and the Lederle Award for Human Nutrition Research awarded by the American Society for Nutritional Sciences (1991). She has published over 330 papers in the peer-reviewed literature.

**Connie M. Weaver** (see Workshop Planning Committee biosketches)

**Roger A. Fielding, Ph.D.**, is director and senior scientist of the Nutrition, Exercise Physiology, and Sarcopenia Laboratory at the Jean Mayer U.S. Department of Agriculture (USDA) Human Nutrition Research Center on Aging at Tufts University. He is also professor of nutrition at the Friedman School of Nutrition Science and Policy and Professor of Medicine at Tufts University School of Medicine. Currently, he serves as the associate director of the Boston Claude D. Pepper Older Americans

Independence Center. Dr. Fielding is an internationally known researcher who studies the underlying mechanisms contributing to the age-associated decline in skeletal muscle mass, the resultant impact on function, and the potential role of exercise, nutrition, and physical activity on attenuating this process. He has extensive experience in the conduct of randomized controlled trials of exercise, nutrition, and pharmacologic therapies in older adults. Dr. Fielding has a strong record of extramural funding including support from the National Institutes of Health, USDA, private foundations, and industry. He also serves as associate editor of the *Journal of Gerontology Medical Sciences*, and *Calcified Tissues International and Musculoskeletal Research*.

**Nancy Rawson, Ph.D., M.Sc.**, is associate director and associate member at the Monell Center. Dr. Rawson is responsible for managing the corporate relationships of the Center, supporting strategy development and intellectual property management, and as an associate member, conducts research in taste and olfactory cell biology. She began her professional career as a nutritionist at Campbell Soup Co., providing nutritional guidance to product development and marketing teams, and working with external researchers studying interactions between diet and health. Dr. Rawson served as chief scientific officer at WellGen, Inc., directing research and development of therapeutic anti-inflammatory and antioxidant ingredients for the medical foods market. Following this role, she moved to AFB International, a global ingredient company serving the petfood industry to build and lead the Basic Research and Innovation Teams. Dr. Rawson has held many advisory and teaching positions, and has published over 65 peer-reviewed research articles, reviews, and book chapters. She received her Ph.D. in biology at the University of Pennsylvania, holds a M.Sc. in nutrition from the University of Massachusetts, and a B.Sc. from Fairfield University.

**Athena Papas, D.M.D., Ph.D.**, is the Erling Johansen Professor of Dental Research, and the Head of the Division of Oral Medicine at Tufts University School of Dental Medicine in Boston, Massachusetts. With expertise in the oral healthcare of the elderly, medically compromised, Sjögrens, cancer and bone marrow transplant patients, Dr. Papas has been the principal investigator of over 100 clinical trials. She has co-authored a textbook titled *Nutrition in Clinical Dentistry*, and has done research on the interrelationship of nutrition and oral health in an aging population with the Tufts USDA Human Nutrition Center on Aging. Dr. Papas was selected as the 2009 recipient of the International Association of Dental Research's Pharmacology/Therapeutics/Toxicology (PTT) Distinguished Scientist Award and has been the president of PTT. She has also received the Gavel and Pierre Fauchard awards and is a life fellow of the American College of Dentists. Dr. Papas received her dental degree from Harvard and her Ph.D. in oral biology from the Nutrition Department at Massachusetts Institute of Technology. She had a pre-doctoral fellowship at Massachusetts General Hospital and a post-doctoral fellowship at Boston Children's Hospital.

**Cindy Davis, Ph.D.**, is director of Grants and Extramural Activities in the Office of Dietary Supplements (ODS). In this position, she actively engages and encourages partnerships with other National Institutes of Health Institutes and Centers to facilitate funding of grants that are of high relevance to ODS mission and goals. She is also actively involved in a number of government working groups on the microbiome. Before coming to ODS, Dr. Davis was a program director in the Nutritional Sciences Research Group at the National Cancer Institute (NCI). In 2000, she received a Presidential Early



Career Award for Scientists and Engineers and was named the U.S. Department of Agriculture Early Career Scientist. She has published more than 125 peer-reviewed journal articles and eleven invited book chapters. Dr. Davis received her B.S. in nutritional sciences with honors from Cornell University and her Ph.D. in nutrition with a minor in human cancer biology from the University of Wisconsin-Madison. She completed her postdoctoral training at the Laboratory of Experimental Carcinogenesis at NCI.

**Sharon M. Donovan, Ph.D., R.D.,** is Melissa M. Noel Endowed Chair in Nutrition and Health, professor, and interim director, Illinois Transdisciplinary Obesity Prevention Program at University of Illinois, Urbana-Champaign. She is actively involved in her professional societies and served as the 2011-2012 president of the American Society for Nutrition and is currently president-elect of the International Society of Research on Human Milk and Lactation (ISRHML). Dr. Donovan's laboratory conducts basic and translational research in the area of pediatric nutrition. During this phase of life, proper nutrition is of key importance for growth, development and long-term functional outcomes, such as cognition and immune response. On-going work in the lab is focusing on optimizing intestinal and cognitive development of neonates, development of the gut microbiome and prevention of childhood obesity and picky eating in children. She has published ~170 peer-reviewed publications and book chapters and has garnered ~\$31M (\$19 as PI) in research and training grant funding from National Institutes of Health, U.S. Department of Agriculture, private industry and foundations. Dr. Donovan has received several awards in recognition of her research, including the Mead Johnson and the Norman A. Kretchmer Awards from the American Society of Nutrition and the Erlich-Kodovsky Young Investigator Award from the ISRHML. She currently serves on the Food and Nutrition Board of the National Academies of Sciences, Engineering, and Medicine and the Food Advisory Committee for the U.S. Food and Drug Administration's Center for Food Safety and Applied Nutrition. Dr. Donovan received her B.S. and Ph.D. in Nutrition from the University of California, Davis. She completed a post-doctoral fellowship in pediatric endocrinology at Stanford University School of Medicine, and then accepted a faculty position at the University of Illinois, Urbana in 1991.

**Rafael de Cabo, Ph.D.,** is senior investigator at the National Institute on Aging, chief of the Translational Gerontology Branch, and chief of the Experimental Gerontology Section in the Aging, Metabolism, and Nutrition Unit. In 2004, he was appointed as a tenure track investigator in the Laboratory of Experimental Gerontology. Dr. de Cabo was tenured in 2009 and now heads the Experimental Gerontology Section (EGS). The EGS applies both physiological and tissue-specific molecular approaches to investigate effects of nutritional interventions on basic mechanisms of aging and age-related diseases. Research within lab strives to identify protective mechanisms invoked by caloric restriction and to evaluate the consequences of dietary interventions on lifespan, pathology, and behavioral function. The EGS balances the exploration of in vivo rodent, as well as in vitro, paradigms of caloric restriction. Dr. de Cabo is Editor in Chief of Journals of Gerontology Biological Sciences. Dr. de Cabo received his B.S. and M.S. from the University of Cordoba, Spain, and his Ph.D. from the Department of Foods and Nutrition at Purdue University. Upon completion of his graduate education, he received a postdoctoral position in the Laboratory of Neurosciences at the National Institute on Aging in Baltimore, Maryland.

## Session 4 Moving Forward

**Johanna Dwyer** (See Workshop Planning Committee biosketches)

**David B. Reuben, M.D.**, is director, Multicampus Program in Geriatrics Medicine and Gerontology and chief, Division of Geriatrics at the University of California, Los Angeles (UCLA) Center for Health Sciences. He is the Archstone Foundation chair and professor at the David Geffen School of Medicine at UCLA and director of the UCLA Alzheimer's and Dementia Care program. Dr. Reuben is a past president of the American Geriatrics Society and former Board chair, American Board of Internal Medicine. In 2012, he received one of the first CMMI Innovations Challenge awards to develop a model program to provide comprehensive, coordinated care for patients with Alzheimer's Disease and other dementias. In 2014, Dr. Reuben was one of three principal investigators to be awarded a multicenter clinical trial by the Patient-Centered Outcomes Research Institute (PCORI) and the National Institute on Aging to reduce serious falls related injuries; it is the largest grant that PCORI has awarded. He also leads a grant to determine and measure patient and caregiver goals in Alzheimer's disease and dementia. In addition to his leadership in geriatrics, Dr. Reuben continues to provide primary care for frail older persons, including making house calls.

**Eve Stoodly, Ph.D.**, is the lead nutritionist of Nutrition Guidance for the Center for Nutrition Policy and Promotion (CNPP) at the U.S. Department of Agriculture (USDA) in Washington, D.C. CNPP works to improve the health and well-being of Americans by developing and promoting dietary guidance that links scientific research to the nutrition needs of consumers. One of her primary assignments is to support the Dietary Guidelines for Americans revision process. Dr. Stoodly assisted the 2010 and 2015 Dietary Guidelines Advisory Committees throughout their deliberations. She was also a member of the Dietary Guidelines for Americans, 2010 Policy Document writing staff and played a lead role in the development of the 2015-2020 Dietary Guidelines for Americans. Dr. Stoodly's team is also conducting foundational work to inform future dietary guidance for the birth to 24-month population and women who are pregnant. Prior to her current role at CNPP, Dr. Stoodly was a lead analyst for USDA's Nutrition Evidence Library, where she served as project manager for the Dietary Patterns Systematic Review Project. She was also a Fellow at the U.S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion. Dr. Stoodly received her B.S. in biology with a minor in nutrition from Texas Christian University in Fort Worth, Texas and her Ph.D. in nutrition from Texas Woman's University in Denton, Texas.

Timothy A. Morck, Ph.D., is president and founder of Spectrum Nutrition Consulting, his firm that provides expertise in nutrition-related basic/clinical research, product development, regulatory and public policy and global scientific affairs. Dr. Morck's career includes clinical nutrition practice, research, and medical school faculty appointments, scientific association management, entrepreneurial personalized nutrition start-ups, and executive and senior management positions at several global nutrition and pharmaceutical companies. His unique multidisciplinary perspective integrates science and business objectives with a passion for personalized approaches to improve health. Dr. Morck received a B.S. in animal science from Penn State University, followed by M.S. and Ph.D. degrees in nutrition (biochemistry & physiology minors) from Cornell University.

**Douglas “Duffy” MacKay, N.D.**, is senior vice president, scientific and regulatory affairs for the Council for Responsible Nutrition (CRN). Dr. MacKay oversees CRN’s science and regulatory affairs department, ensuring that the association’s scientific, policy, and legislative positions are based on credible scientific rationale. His expertise combines practical knowledge of industry regulation and scientific product development with hands-on experience as a medical practitioner. Dr. MacKay is a licensed Naturopathic Doctor who still sees patients on a part-time basis in an integrative medical practice, and previously was owner and practitioner in a New Hampshire complementary and alternative medicine private practice. He serves on the Advisory Board for the American Botanical Council, the NSF International Joint Committee on Dietary Supplements, and the National Institute of Standards and Technology/National Institutes of Health Dietary Supplement Laboratory Quality Assurance Program. Dr. MacKay is also on the editorial board of three peer-reviewed publications: the official publication of the American Association of Naturopathic Physicians, *Natural Medicine Journal*, *Integrative Medicine – a Clinicians Journal*, and *Current Topics in Nutraceutical Research*. He is also chair of the Steering Committee for the SIDI Work Group. Dr. MacKay earned his degree in marine biology from the University of California, Santa Cruz and his N.D. from the National College of Natural Medicine in Portland, Oregon.

**Simin Nikbin Meydani, D.V.M, Ph.D.** has served as the director of the Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University since 2009 and is currently transitioning to the position of vice provost for research at Tufts University. She is professor of nutrition and immunology at the Friedman School of Nutrition Science and Policy and the Tufts Sackler Graduate Program in Immunology. Dr. Meydani’s scientific interests include the impact of nutrition on the aging process and age-associated diseases, the role of nutrition on immune and inflammatory responses and predisposition to infectious diseases in developed and less developed countries. She is an internationally recognized scholar with more than 300 publications and continuous USDA, NIH, industry and foundation funding. Her research is multidisciplinary and expands from cell and molecular to animal and clinical investigations. Her honors include the American Aging Association Denham Harman Lifetime Research Achievement Award; American Society of Nutrition (ASN) Herman Award in clinical nutrition; ASN Lederle Award in Human Nutrition Research; Fellow of Hedwig van Amerigen Executive Leadership in Academic Medicine; American College of Nutrition Grace Goldsmith Award; International HERMES Vitamin Research Award; She was the President of the American Society for Nutrition (June 2014-June 2015) and President of the American Aging Association (2005-2006). She has served the academic, government and corporate communities as: member of NIH Geriatric Rehabilitation Study Section, Aging Systems and Geriatrics Study Section, and Cellular Mechanism of Aging and Development Study Section; member of USDA Human Nutrient Requirements for Optimal Health Program Grant Review Panel; member of United Nations FAO/WHO Expert Panel on Nutritional Requirements of the Elderly; member of NIH-funded Consortium Lipid Maps Scientific Advisory Committee, National Institute of Aging Primate Calorie Restriction Project Advisory Board; member of the ILSI North America Board of Trustees, member of the editorial boards of several journals; chair of several FASEB summer conferences and other international meetings. Dr. Meydani holds a D.V.M. (Tehran University), an M.S. in Nutrition (Colorado State University) and a Ph.D. in Nutrition (Iowa State University).

**Frank Busta, Ph.D.**, is the director emeritus of the National Center for Food Protection and Defense (NCFPD) and professor emeritus of food microbiology at the University of Minnesota. Dr. Busta was named as the first director of NCFPD in 2004. Previously he held faculty positions at the University of Minnesota, North Carolina State University, and the University of Florida. He served as chair of the Department of Food Science and Human Nutrition from 1984 to 1987 at the University of Florida and head of the Department of Food Science & Nutrition, University of Minnesota from 1987 to 1997. Dr. Busta's research areas are in food safety, growth and survival of microorganisms after environmental stress in food, microbial ecology, and food defense. He has published more than 125 refereed research papers. Dr. Busta retired in 2002 from the International Commission on the Microbiological Specifications for Food after 15 years of service. He is a fellow of the Institute of Food Technologists (IFT), of the American Academy of Microbiology, of the American Association for the Advancement of Science, of the Institute of Food Science and Technology (IFST in UK), of the International Association for Food Protection and of the Academy of the International Union of Food Science and Technology. Dr. Busta chaired the Food Forum of the National Academies of Sciences, Engineering, and Medicine from 2011 to 2014. He was president of IFT in 1995/96. Dr. Busta became professor emeritus in 1999. He became director emeritus in 2007 and served as senior science advisor to NCFPD from 2007 to 2014. Dr. Busta received his B.A. and M.S. from the University of Minnesota and his Ph.D. from the University of Illinois.

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**Janet King** (see Session 2 biosketches)

**David B. Reuben** (see Session 4 biosketches)

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