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COMMITTEE TO REVIEW THE DIETARY REFERENCE INTAKES FOR ENERGY

Open Session Speakers

Dr. Kevin Hall received his Ph.D. in Physics from McGill University and is now a tenured Senior Investigator at the National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK), one of the National Institutes of Health (NIH) in Bethesda, MD. His main research interests are the regulation of food intake, macronutrient metabolism, energy balance, and body weight. Dr. Hall develops mathematical models and computer simulations to better understand human nutrition and metabolism and the models are used to help design, predict, and interpret the results of clinical research studies conducted by his laboratory. Dr. Hall has twice received both the NIH Director's Award and the NIDDK Director's Award, and is the recipient of the E.V. McCollum Award from the American Society for Nutrition, the Lilly Scientific Achievement Award from The Obesity Society, and the Guyton Award for Excellence in Integrative Physiology from the American Society of Physiology.

John Jakicic, Ph.D., FACSM, is Senior Investigator and Director, Population Science at the Translational Research Institute at AdventHealth Orlando. Considered a leading authority on the benefits of physical activity for weight management, he has more than 230 peer-reviewed publications and has given more than 200 invited presentations. Dr. Jakicic has been an American College of Sports Medicine member for more than 30 years, serving on the ACSM Board of Trustees, multiple committees and as associate editor for *Medicine & Science in Sports & Exercise*®. He has also served on the Board of Directors for the Mid-Atlantic Chapter of ACSM. Dr. Jakicic holds a Ph.D. in exercise physiology from the University of Pittsburgh and an M.S. in exercise science from Slippery Rock University of Pennsylvania.

Leanne Redman, Ph.D., FTOS, is a professor of clinical science at Pennington Biomedical Research Center within the Louisiana State University System where she directs the Reproductive Endocrinology and Women's Health Research Program and the Maternal and Infant Nutrition Core Laboratory. Dr. Redman is an energy balance physiologist who directs a million-dollar research portfolio that is focused on how, lifestyle, in particular nutrition and physical activity influence body composition and energy metabolism. For the past decade she has adapted state-of-the-art nutrition assessments for pregnant women and infants to study gestational weight gain and the role of maternal energy balance on the intergenerational transmission of obesity. Her research is also at the forefront of developing and testing novel nutrition and lifestyle interventions using smartphone apps to enhance the compliance of

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individuals to national dietary and exercise guidelines. Her work has produced more than 200 research articles on nutrition, exercise, weight management and maternal health. Dr. Redman holds a Ph.D. in Physiology and OBGYN from the University of Adelaide in Australia and completed 4 years of post-doctoral training at Ohio University and Pennington Biomedical Research Center. Dr. Redman participated in The National Academies Nutrition During Pregnancy and Lactation: Exploring New Evidence Workshop in 2020 bringing her expertise in dietary carbohydrates and energy.

John Speakman, Ph.D., is a Professor at the Shenzhen Institutes of Advanced Technology in Shenzhen, China and also at the University of Aberdeen in Scotland, UK. He has been working on energy balance and obesity for more than 40 years. During that time he published over 580 scientific papers including 11 in Nature/Science, and was featured twice on the cover of Nature. He is a foreign member of the US National Academy of Sciences, an academician of the Chinese National Academy of Sciences and a Fellow of the UK Royal Society. In 2020 he was awarded the US Obesity Society TOPS award (their premier research award) and was also awarded the Osborne-Mendel prize by the American Society of Nutrition for basic research. Wikipedia: [John Speakman - Wikipedia](#) Google scholar: [John R. Speakman - Google Scholar](#) Twitter: @johnspeakman4

Richard (Rick) Troiano, Ph.D., recently retired as Program Director in the Risk Factor Assessment Branch of the Epidemiology and Genomics Research Program in NCI's Division of Cancer Control and Population Sciences (DCCPS). Dr. Troiano promotes the validation and use of accelerometer-based devices in the assessment of physical activity in research and population surveillance. He worked with the 2011-2014 National Health and Nutrition Examination Survey (NHANES) to implement the use of devices in the survey to obtain objective measures of participants' physical activity-related movement and sleep, as well as body strength, and was the lead on inclusion of accelerometers for the first time in NHANES in 2003-2006. He is interested in promoting improved understanding of the information obtained from devices and self-reports and the analytic implications of different data sources. Dr. Troiano also supports federal efforts to promote health-enhancing physical activity, as evidenced by his service as co-executive secretary for the development of the Physical Activity Guidelines for Americans, 2nd edition. Dr. Troiano also was on detail to the Office of Disease Prevention and Health Promotion as Coordinator for the development of 2008 Physical Activity Guidelines for Americans and to the Office of the Surgeon General to support development of Step it Up! The Surgeon General's Call to Action to Promote Walking and Walkable Communities. Most recently, he served as a member of Guideline Development Group for the 2020 WHO Guidelines on Physical Activity and Sedentary Behaviour.