

Standing Committee for the Review of the Dietary Reference Intakes Framework

Assessing Human Requirements for Carbohydrate: A Webinar

March 7, 2023

Speaker Bios

Dennis M. Bier, M.D., is Professor of Pediatrics and Director of the USDA/ARS Children's Nutrition Research Center at Baylor College of Medicine. He is a Fellow of the American Society for Nutrition, a Fellow of the American Association for the Advancement of Science, and a member of the National Academy of Medicine. Dr. Bier is former Editor-in-Chief of The American Journal of Clinical Nutrition and former Associate Editor of the Annual Review of Nutrition. Previously, Dr. Bier was Chairman of the Food and Nutrition Board of the Institute of Medicine, President of the American Society for Nutrition (with Dr. Naomi Fukagawa), the American Society for Nutritional Sciences, the American Society of Clinical Nutrition, and the NIH General Clinical Research Centers Programs Directors Association. He has also been a Councilor of the American Pediatric Society, Chairman of the NIH Nutrition Study Section, Chairman of the NIH General Clinical Research Centers Committee, a member of the FDA Pediatric Advisory Committee and the FDA Food Advisory Committee and Chairman of the Board of the International Life Sciences Institute Research Foundation. Dr. Bier has served formerly as a member of the Scientific Advisory Board of ConAgra Foods, a member of the Global Advisory Council of the McDonald's Corporation and a member of the Scientific Advisory Committee of Mars, Inc. He has served as a consultant to a wide variety of food and pharmaceutical companies. Dr. Bier has authored nearly 300 scientific publications. For his scholarly contributions he has received the Nutrition Award from the American Academy of Pediatrics; the David Kritchevsky Career Achievement Award, the E.V. McCollum Award and the Volunteer of the Year Award from the American Society for Nutrition; the Grace A. Goldsmith Award from the American College of Nutrition; the General Clinical Research Centers Award for Excellence in Clinical Research from the NIH; the Jonathan Rhoads Award from the American Society for Parenteral and Enteral Nutrition; the Distinguished Service Award from Washington University School of Medicine; the Professional Achievement Award from Le Moyne College and the Avanelle Kirksey Lectureship at Purdue University. Dr. Bier is an alumnus of the Rutgers University School of Biomedical and Health Sciences following its formal acquisition of New Jersey College of Medicine.

Christine D. Garner, PhD, RD, CLC is Assistant Vice President of Research and an Assistant Professor in the Department of Pediatrics and conducts research in the InfantRisk Center at Texas Tech University Health Sciences Center in Amarillo, TX. She obtained both her Master's and Doctoral degrees in Nutrition at Cornell University, and she trained and worked as a Registered Dietitian in Pediatrics at the University of California San Francisco. Dr. Garner's research focuses on maternal and child health

with a nutrition lens during pregnancy, breastfeeding, infancy, and early childhood – the “first 1000 days.” She has worked with UNICEF, served on the board of the New York State Perinatal Association, and served as the Research Coordinator for the Academy of Nutrition and Dietetics Women’s Health Dietetics Practice Group. Christine is a mom & an active researcher, author and editor on topics of nutrition, pregnancy and women’s health including the online reference for clinical and medical professionals UpToDate ®.

Barbara Gower, Ph.D., is Professor in the Department of Nutrition Sciences, and serves as Director of the Metabolism Core Laboratory at the University of Alabama at Birmingham. Her research focus is on the interplay between diet, endocrinology, and metabolism and their relation to chronic metabolic disease, with expertise in evaluation of body composition, body fat distribution, insulin sensitivity and beta-cell function. Her two major research areas are nutrition interventions for obesity and metabolic health, and risk for type 2 diabetes in African Americans. She currently is conducting NIH-funded research studies to, 1) determine if a low-carbohydrate or low-fat diet can promote the return of beta-cell function in early type 2 diabetes, and 2) identify the diet composition that results in effective and sustainable weight loss in African American women. Previous research concerned the effectiveness and acceptability of a ketogenic diet in women with ovarian cancer, and the use of a low glycemic diet in women with polycystic ovary syndrome.

David Klurfeld, Ph.D., is Adjunct Professor in the Indiana University School of Public Health. He retired as National Program Leader for Human Nutrition in the USDA Agricultural Research Service at the end of 2020, where he was responsible for the scientific direction of human nutrition research for 16 years. Prior to government service, he was Professor and Chairman of the Department of Nutrition & Food Science at Wayne State University in Detroit, Michigan for 12 years. Before that, he was on the faculty of The Wistar Institute and the University of Pennsylvania School of Medicine for 15 years. His research focused on the relationship of diet and prevention of chronic diseases. Among his scientific discoveries are the first demonstration that red wine consumption resulted in fewer cardiovascular lesions, that the cholesterol-filled cells in human arterial lesions are white blood cells, that reducing calories was more important than reducing fat in the diet for decreasing cancer growth, and a mediator of this last effect was likely IGF-1. Dr. Klurfeld has published more than 200 peer-reviewed articles and book chapters. He was Associate Editor of the American Journal for Clinical Nutrition from 2007 to 2019. He was elected a Fellow of the American Society for Nutrition (ASN) in 2018, received the Ralph Holman Lifetime Achievement Award from the American Oil Chemists Society in 2019, and the David Kritchevsky Career Achievement Award from ASN in 2020. Dr. Klurfeld received his undergraduate degree in general agriculture from Cornell University and both master’s and doctorate degrees in pathology from the Medical College of Virginia.