Considerations For Formulation and Degree Of Processing In Food Classification Systems that Support Research

Speaker and Planning Team Biographies

Regan Bailey, PhD MPH RD

Regan Bailey is Associate Institute Director for the Institute for Advancing Health Through Agriculture and Professor of Nutrition at Texas A&M University. She previously served as a Professor of Nutrition Science at Purdue University, and as a Nutritional Epidemiologist and Director of Career Development at the National Institutes of Health, Office of Dietary Supplements.

Dr. Bailey is a Registered Dietitian who completed a dietetic internship and M.S. in Food and Nutrition from the Indiana University of Pennsylvania. Dr. Bailey received her Ph.D. in Nutrition Science from The Pennsylvania State University and completed an M.P.H from the Bloomberg School of Public Health at Johns Hopkins University.

The focus of her research is to improve the methods of measuring nutritional status to optimize health. She utilizes nationally-representative survey data to characterize the American dietary landscape, to identify the optimal methods for assessment of biomarkers of nutritional status, and importantly, to understand how dietary intakes relate to health outcomes.

Dr. Bailey served on the 2020 Dietary Guidelines for American Advisory Committee, and as chair of the Data Analysis and Food Pattern Modeling Subcommittee. She was a member of the 2021 Committee on Scanning For New Evidence On Riboflavin To Support A Dietary Reference Intake Review for the National Academy of Medicine. She was appointed to serve on the American Heart Association's Council on Lifestyle and Cardiometabolic Health Nutrition Committee. She was a member of the Committee to Review the Dietary Reference Intakes for Energy for the National Academy of Medicine.

Rachel Bleiweiss-Sande, PhD

Rachel Bleiweiss-Sande, PhD, is a Human Service researcher at Mathematica with 8 years of experience in nutrition research. She has expertise in childhood obesity prevention interventions, 24-hour dietary recall data, and processed foods. She authored several papers on the topic of processing level and nutritional quality of Summer Food Service Program meals and lead the data collection and analysis efforts for a study comparing nutritional quality and waste of National School Lunch Program lunches compared to meals brought from home. She also developed a system for categorizing the processing level of foods prepared from scratch to inform a larger effort to refine food processing categorization schemes and analysis. As a professionally trained chef and former food writer, Dr. Bleiweiss-Sande brings a unique perspective and deep understanding of the techniques and processes required to bring foods from their original form to supermarket shelves.

Before joining Mathematica, Bleiweiss-Sande pursued a childhood dream of studying to become an architect, with the intention of designing affordable emergency housing. While volunteering at a community kitchen, she discovered a passion for promoting health through cooking, and eventually pivoted to a career in nutrition and public health. She holds a Ph.D. in nutrition from the Friedman School of Nutrition Science and Policy.

Jessica Campbell, PhD

Jessica Campbell, Ph.D., is a Director at General Mills, Inc. She leads the Bell Institute of Health & Nutrition, a group of dedicated nutrition and food scientists, dietitians, and public health nutritionists. The Bell Institute integrates nutrition science, regulatory and policy expertise and communications to deliver strategic innovation in health and nutrition for General Mills' businesses globally. After earning her Bachelor's and PhD from University of Illinois-Urbana Champaign, she began her food industry career by leading clinical research studies, advocating in global nutrition scientific, policy and regulatory matters, and developing global health and nutrition innovation strategies for General Mills. Jessica serves on the International Food Information Council (IFIC) Board of Trustees and on the External Advisory Committee for the University of Illinois Personalized Nutrition Initiative. She is a member of the American Society of Nutrition (ASN) and the Institute for the Advancement of Food and Nutrition Sciences (IAFNS) and serves on the IAFNS Scientific Leadership Council. Other external engagement and representation on nutrition and regulatory matters includes Consumer Good Forum – Coalition for Healthier Lives, Consumer Brands Association, FMI: Food Industry Association, and the Portion Balance Coalition. She is also chair of the IDFDA, International Dairy Foods Association, Nutrition and Health Committee.

Eric Decker, PhD

Eric Decker is a Professor in the Department of Food Science at the University of Massachusetts, Amherst. Dr. Decker is actively conducting research to characterize mechanisms of lipid oxidation, antioxidant protection of foods and the health implications of bioactive lipids. Dr. Decker has over 460 publications and he has been listed as one of the Most Highly Cited Scientists in Agriculture since 2005. Dr. Decker has served on numerous committees for institutions such as FDA, National Academy of Science, Institute of Food Technologist, USDA and the American Heart Association. He has received recognition for his research and service from the American Oil Chemist Society, Agriculture and Food Chemistry Division of the American Chemical Society, Institute of Food Technologists, University of Massachusetts and the University of Kentucky. Dr. Decker has also been elected to serve as an officer for American Meat Science Association, Institute of Food Technologists and most recently as the President of the American Oil Chemist Society.

Adam Drewnowski, PhD

Prof. Dr. Adam Drewnowski is the Director of the Center for Public Health Nutrition and Professor of Epidemiology at the School of Public Health at the University of Washington in Seattle. Dr. Drewnowski obtained his MA degree in biochemistry at Balliol College, Oxford; PhD degree in psychology at The Rockefeller University in New York. His Seattle Obesity Study (S.O.S.), funded by the National Institutes of Health, combined health survey research with

novel methods of spatial analysis to examine the multiple determinants of health and body weight. Dr. Drewnowski has published more than 350 research articles, and advises governments, foundations and the private sector on affordable nutrient density, product reformulation, and obesity-related issues. He is the author of the Nutrient Rich Foods Index, an early nutrient profiling model which helps consumers to identify affordable healthy foods.

John Erdman, PhD

Dr. Erdman is Emeritus Professor of Food Science and Human Nutrition at the University of Illinois at Urbana Champaign. He recently served as Deputy Director of the Interdisciplinary Health Sciences Institute on the Illinois campus. He has an active research program with 2 Ph.D. students. He has authored over 240 original research articles and over 400 total publications (H-Index is 65). He is a Fellow of the American Society for Nutrition (ASN), the Institute of Food Technologists (IFT) and the American Heart Association (AHA). He is past President of the American Society for Nutritional Sciences (now ASN). He has served on over two dozen committees for the Institute of Medicine, National Academy of Sciences (NAS). He is currently chair of the Standing Committee for the Review of the Dietary Reference Intakes Framework and past chair of the Committee on Military Nutrition Research for NAS. He was elected as a Member of the Institute of Medicine (now National Academy of Medicine). He has received numerous honors for research, teaching and mentoring. His B.S., M.S., M.Phil. and Ph.D. are in Food Science from Rutgers University.

Mario Ferruzzi, PhD

Dr. Mario Ferruzzi is a Professor and Chief of the Section of Developmental Nutrition in the Department of Pediatrics at the University of Arkansas for Medical Sciences. He received his B.S. (1996) in Chemistry from Duke University and Ph.D. (2001) in Food Science and Nutrition from The Ohio State University. Dr. Ferruzzi joined the Arkansas Children's Nutrition Center as the Director in 2021 having previously served on as a David H. Murdock Distinguished Professor at North Carolina State University's Plants for Human Health Institute (2016-2021) and as a Professor of Food Science and Nutrition Science at Purdue University (2004-2016). Dr. Ferruzzi's research interest are at the interface of agriculture, food, and nutrition sciences in the study of micronutrient and phytochemical bioavailability, metabolism, and impact to human health. He has a particular interest in strategies that can be leveraged to improve the nutritional and functional quality of food products for at risk populations.

Nadia Flexner, MPH

Nadia is a senior PhD student in the L'Abbé Lab at the University of Toronto. Her doctoral research focuses on estimating the dietary and health impact of different food policies aiming to improve the Canadian food environment – such as food reformulation to decrease the content of sodium and free-sugars in packaged foods, and front-of-pack nutrition labelling. Nadia has expertise in dietary assessment and the use of simulation modeling methods to estimate the health impact and cots-effectiveness of food policies. She is also interested in assessing the healthfulness of the food supply using different approaches.

Ciaran Forde, PhD

Professor Ciarán Forde is the Chair in Sensory Science and Eating Behavior at the Division of Human Nutrition and Health, at Wageningen University and Research in the Netherlands. He leads research on how the sensory properties of foods influence calorie selection, eating behaviors and energy intake and metabolism across the life-span. Prof. Forde has published >120 scientific articles and book chapters, and his research has been presented at over 200 national and international meetings. Prof Forde is an Executive Editor at the journal *Appetite*, is Section Editor in 'Nutrition Behavior and Food Intake Regulation' for the *European Journal of Nutrition*, and an editorial board member for *Nutrition Bulletin*, *Journal of Future Food* and *Journal of Texture Studies*. Before joining Wageningen Prof. Forde has previously spent almost 20 years in public and private sector research roles in the UK (GSK), Australia (CSIRO) and Switzerland (Nestlé Research) and Singapore (National University of Singapore/A*STAR). He received his BSc (Hons) in Food Chemistry and a PhD in Sensory Science from the Department of Nutrition in University College Cork in Ireland.

Michael Gibney, PhD

Michael Gibney, MA, MSc, PhD, is Emeritus Professor of Food and Health at University College Dublin and served as the inaugural Director of the UCD Institute of Food and Health (2006-2013). He served on the Faculties of Veterinary Medicine at the University of Sydney (1973-1976) and of Medicine at the University of Southampton (1976-1984) and Trinity College Dublin (1984-2006). A former President of the Nutrition Society, he has served on many expert committees advising the European Union on issues of food and health. He is a fellow of the American Society for Nutrition, the Nutrition Society and the International Union of Food Science and Technology. His research interests are in molecular and metabolic nutrition and in public health nutrition. He is author of several popular books on food including *Ever seen a fat fox- human obesity explored* and recently, *Food through the ages, a popular history*.

Kevin Hall, PhD

Kevin Hall, PhD is the Integrative Physiology Section Chief at NIDDK-NIH. His laboratory investigates how metabolism and the brain adapt in response to a variety of interventions to diet and physical activity. His team conducts experiments in both humans and rodents to better understand the complex mechanisms regulating macronutrient metabolism, body composition and energy expenditure. Uniquely, his research also involves the development of mathematical models to quantitatively describe, explain, integrate, and predict experimental results. Overall, Dr. Hall's research aims to improve our understanding of body weight regulation and develop practical tools for research and clinical use.

Kirsten Herrick, PhD MSc

Kirsten A. Herrick, PhD, MSc, is a Program Director with the Risk Factor Assessment Branch (RFAB) of the Epidemiology and Genomics Research Program (EGRP) in NCI's Division of Cancer Control and Population Sciences (DCCPS). Her focus is on developing, designing, and conducting nutrition research related to dietary methods, dietary instruments, measurement error, dietary surveillance, and nutritional epidemiology.

Dr. Herrick oversees the web-based Automated, Self-Administered 24-Hour Dietary Assessment Tool (ASA24), a freely available web-based tool which enables collection of auto-coded, self-administered 24-hour recalls and/or single or multi-day food records. Dr. Herrick also oversees the Diet History Questionnaire, NCI's publicly available food frequency questionnaire. She also serves as the Project Scientist for the NIH Common Fund's Nutrition for Precision Health, powered by the All of Us Research Program. Dr. Herrick's scientific interests include nutrient intakes and food consumption patterns among infants birth to 24 months, breastfeeding disparities, iodine nutrition, and ultra-processed food identification and consumption.

Dr. Herrick received her B.S. in biochemistry and psychology from The University of Tennessee, Knoxville, her M.Sc. degree in maternal and child nutrition from The London School of Hygiene and Tropical Medicine at The University College London in the UK, and her Ph.D. in nutrition health sciences from Emory University.

Julie Hess, PhD

Dr. Hess is a Research Nutritionist in the Healthy Body Weight Research group at the Grand Forks Human Nutrition Research Center (GFHNRC) in Grand Forks, ND. Dr. Hess's research is centered on identifying and evaluating strategies to help Americans meet recommendations from the Dietary Guidelines for Americans. Her work involves investigating how American diets currently align with dietary guidance and recognizing and addressing barriers to following recommendations, including dietary restrictions and dietary preferences. Before joining the GFHNRC, Dr. Hess served as Vice President of Scientific Affairs for the National Dairy Council in Chicago, IL. She is an active member and volunteer with several nutrition and scientific organizations, including the Institute of Food Technologists (IFT), the National Nutrient Databank Conference, and the American Society for Nutrition (ASN), and currently serves as Chair-Elect of the Nutrition Translation Research Interest Section with ASN and a member of the Annual Meeting Scientific Program Advisory Panel for IFT. She is also an adjunct assistant professor at the University of North Dakota.

Dr. Hess received Bachelor of Arts degrees in French and English from the University of Texas at Austin and earned a doctoral degree in Human Nutrition from the University of Minnesota.

Filippa Juul, PhD MSc

Dr. Filippa Juul is a Faculty Fellow at the Department of Public Health Policy and Management at the New York University School of Global Public Health (NYU GPH. She holds a PhD in Epidemiology from NYU GPH (New York, NY), a MSc in Public Health Nutrition from the Karolinska Institute (Stockholm, Sweden) and a BA in Nutrition and Dietetics from Universidad Autónoma de Madrid (Madrid, Spain). Dr. Juul's research is motivated by a deep commitment to improve cardiometabolic health outcomes at the population level. As a nutritional epidemiologist, she combines her expertise in epidemiological methods and nutrition to examine the role of diet in the etiology and prevention of cardiometabolic outcomes. Dr. Juul's research to date has primarily examined the association between ultra-processed foods and diet quality, obesity and cardiovascular disease, utilizing large US population studies. Dr. Juul's work in this area has been internationally recognized. For example, she was selected as the lead author for the chapter on ultra-processed food and health in the Nordic Nutrition

Recommendations 2022, which form the scientific basis for nutrition policies and dietary guidelines in the Nordic and Baltic countries. As an awardee of the NYU Provost's Postdoctoral Fellowship, Dr. Juul is currently expanding her research into ultra-processed foods through a policy and Dissemination and Implementation Science lens, with the goal of translating epidemiological evidence into effective public health measures.

David Klurfeld, PhD

David Klurfeld 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 year. 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.

Lauren O'Connor, PhD MPH

Dr. O'Connor is a Nutrition Scientist in the Food Components and Health Lab at the Beltsville Human Nutrition Research Center, USDA. Her research covers a range of topics under the umbrella of dietary patterns and chronic disease, with emphasis on how certain foods (e.g., red meat and processed foods) behave both metabolically and methodologically within the context of various dietary patterns for US populations. She currently serves as the chair-elect for the American Society for Nutrition (ASN)'s Climate/Environment, Health, Agriculture, and Improved Nutrition (CHAIN) Research Interest Group; the Awards Chair for ASN's Early Career Membership Group; a member of the FASEB Early Career Representative Engagement Task Force; and is on the Editorial Board for Frontiers in Nutrition's Nutrition Methodology Section. Before coming to BHNRC, Dr. O'Connor was a Cancer Prevention Research Fellow at the NIH's National Cancer Institute (NCI). She served on the Data Analysis Team for the 2020-25 Dietary Guidelines for Americans; played an integral role in advancements for NCI's Automated Self-Administered 24-Hour (ASA24®) Dietary Assessment Tool, including development of the Respondent Nutrition Report, the Sleep Assessment Module, and the Novel Foods Tool; as well as conducted independent research using nationally representative nutrition surveillance data.

During her fellowship at NCI, Dr. O'Connor completed an MPH at Johns Hopkins' Bloomberg School of Public Health with a concentration in epidemiology and biostatistical methods. Prior to NCI, Dr. O'Connor obtained her PhD in Nutrition Science from Purdue University, where her research focused on cardiometabolic health effects of red meat intake via randomized controlled feeding trials, systematic reviews, and meta-analyses. Her dual BS in Dietetics and Nutrition, Fitness, and Health are also from Purdue University.

Kristin Reimers, PhD RDN

Dr. Kristin Reimers is the Nutrition and Health Research Fellow at Conagra Brands, where she leads the Nutrition team to execute the enterprise's nutrition strategy that promotes sustainable nutrition, drives nutrition-focused food design, enables health attribute communication, and collaborates to improve access to healthier foods. During her time at Conagra, Dr. Reimers' has led numerous clinical nutrition research and communication initiatives, all aimed at enabling consumers to lead healthier lives with convenient, healthy foods. Prior to joining Conagra, Dr. Reimers was Director of Programs at The Center for Human Nutrition, Omaha, NE, where she conducted nutrition research and developed programs in the areas of obesity, aging, hydration, and sports nutrition. Dr. Reimers' publications include over 50 chapters, abstracts, continuing education units and journal articles. She holds professional memberships in the Academy of Nutrition and Dietetics and the American Society for Nutrition and is a member of the Institute for the Advancement of Food and Nutrition (IAFNS). An Iowa native and long-time Nebraska resident, she received her B.S. degree from the University of Northern Iowa and her masters and doctoral degrees in human nutrition from the University of Nebraska.

Barbara Rolls, PhD

Barbara J. Rolls received her Ph.D. in Physiology from the University of Cambridge, England. After spending her early research career at the University of Oxford, Dr. Rolls became Professor of Psychiatry at Johns Hopkins University School of Medicine. In 1992, she joined The Pennsylvania State University faculty, where she is Professor and Helen A. Guthrie Chair of Nutritional Sciences.

Her studies have demonstrated how characteristics of foods such as variety, energy density, and portion size can influence energy intake and weight management. She has authored seven books including three in the Volumetrics series.

Dr. Rolls has served as President of both the Society for the Study of Ingestive Behavior and The Obesity Society, and has served on the Advisory Council of the National Institute of Diabetes and Digestive and Kidney Diseases.

Her awards and honors include Academy of Nutrition and Dietetics Honorary Member, American Association for the Advancement of Science Fellow, International Award for Modern Nutrition, Atwater Lecturer, American Society for Nutrition (ASN) Award in Human Nutrition, The Obesity Society's Bray Founders Award, ASN Fellow, ASN David Kritchevsky Career Achievement Award, the Society for the Study of Ingestive Behavior Hoebel Award for Creativity, and the ASN Foundation Mentorship Award.

Anna Rosales, MJ RD

Anna Rosales built her career by blending her love of cooking with her passion for healthy living. She is an expert on nutrition and culinary arts and has experience working with clientele from private individuals to multinational corporations. She offers a unique dual specialty in regulatory affairs/food law and nutrition communications. In addition, she has extensive experience working in multiple categories such as yogurt, bread, snacks, pasta, sauces, and packaged meal solutions. Overall, her diverse background and skill set allow her to work seamlessly with all types of constituents on any food or nutrition-related project.

Anna is currently the Senior Director of Government Affairs and Nutrition at the Institute of Food Technology. Previously Anna was the Director of Nutrition and Science Communications for Barilla, one of the world's leading Italian food companies. Prior to her work at Barilla, she was the corporate dietitian for Yakult, the Japanese probiotic company, where she educated health professionals and consumers on the benefits of probiotics. Early in her career the California Health & Longevity Institute at the Four Seasons Hotel & Resort in Westlake Village, CA retained her as a chef instructor and consulting dietitian, and she was a food writer and cooking guide for About.com.

Anna developed her clinical expertise as a clinical dietitian at St. John's Health Center in Santa Monica, CA. She completed her dietetic internship with ARAMARK in New York City.

Jackie Schulz, MS RD

Jackie Schulz is the Global Nutrition Director for Griffith Foods. Prior to her role at Griffith Foods, Jackie held roles in nutrition science, marketing, and regulatory affairs at Kraft Heinz, Nestlé, The Kellogg Company and Barilla. Jackie started her career as a clinical dietitian with a focus on pediatrics and received a Master of Science in Clinical Nutrition from Rush University in Chicago, Illinois and a Bachelor of Science in Dietetics from the University of California at Davis.

Alison Steiber, PhD RDN

Dr. Steiber is a Registered Dietitian Nutritionist and the Chief Science Officer at the Academy of Nutrition and Dietetics. As Chief Science Officer, Dr. Steiber leads the Research, International, and Scientific Affairs team in both research efforts, including conducting nutrition related research, systematic reviews, position statements, and Evidence Based Nutrition Practice Guidelines and the Dietitian Outcomes Registry. Additionally, Dr. Steiber oversees the Academy's international efforts, standardized language development and resources and supports the research fellowship program. Prior to the Academy, Dr. Steiber was Director of the Coordinated Dietetic Internship. She is an author on dozens of scientific research papers, represents the Academy at key research, scientific and/or policy conferences, is a member of the Board of Directors for the National Kidney Foundation, on the Scientific Advisory Panel for the American Council on Exercise and the Executive Committee for the International Society for Renal Nutrition and Metabolism. Dr. Steiber completed her Dietetic Internship and received her Master of Science in Dietetics at the University of Kansas Medical Center and her Doctorate in Human Nutrition from Michigan State University. In 2021, Dr. Steiber received the

Distinguished Health Professions Alumna award from the University of Kansas Medical Center, Kansas City, KS.

Connie Weaver, PhD

Dr. Weaver is a Distinguished Research Professor in Exercise and Nutritional Sciences at San Diego State University, San Diego, CA, Distinguished Professor Emerita of Nutrition Science at Purdue University, Indiana, and CEO of Weaver and Associates Consulting, LLC. She is an elected member of The National Academy of Medicine since 2010. She is a fellow of the American Society for Nutrition, the Institute of Food Technologists, the American Heart Association, and the American Society of Bone and Mineral Research. She is a member of the Science Advisory Boards of FDA, the California Prune Board, California Walnut Board, and Produce for Better Health (PBH) Foundation. Dr. Weaver is past president of American Society for Nutrition.

Lynn Yu, PhD RD

Lynn Yu is the Nutrition Lead for The Kraft Heinz Company (KHC). Lynn manages a team of nutrition experts that principally translates the business implications of nutrition science and associated policy. Her work encompasses the development and implementation of a nutrition strategy for KHC North America and representing the company in all matters nutrition related to internal and external stakeholders. Prior to working for KHC Lynn held significant nutrition roles with Mars Wrigley, McDonald's USA, and at Nestlé Research Center in Switzerland. Lynn is a Registered Dietician and holds a PhD in Nutrition from Case Western Reserve University.