Speaker Biographies

Donna Geddes, DMU, PostGrad Dip (Sci), Ph.D., is the director of the Human Lactation Research Group and Senior Research Fellow in the School of Molecular Sciences at the University of Western Australia. Professor Geddes is internationally renowned for her novel work with ultrasound imaging that has revolutionized the our understanding of the anatomy of the lactating breast, milk ejection and blood flow, as well as the infant's sucking technique, suck-swallow-breathe co-ordination, gastric emptying and body

composition of both the term and preterm infant. She has since expanded her range of research interests to include the synthesis and removal of milk from the breast, the composition of human milk and its impact on the growth and body composition of breastfed infants, the investigation of HM metabolites and the search for biomarkers that are indicative of breast dysfunction. Prof Geddes is a member of the American Society for Nutrition, Nutrition Society of Australia and President of the Trainee Expansion Program for the International Society for Research in Human Milk and Lactation.

Lindsay Allen, Ph.D., R.D., is the Director of the USDA ARS Western Human Nutrition Research Center (WHNRC). Dr. Allen's research is focused on the prevalence, causes, consequences and prevention of micronutrient deficiencies including iron, vitamin B-12, zinc, vitamin A and riboflavin. Dr. Allen studies the prevalence, causes and consequences of micronutrient deficiencies, primarily in developing countries, using randomized, controlled human trials testing micronutrient supplements, food fortification, and food-

based approaches to improve nutritional status, pregnancy outcome and child development, described in her ≈300 publications. She has increased awareness of the globally high prevalence of vitamin B12 deficiency, its adverse consequences and response to food-based and supplementation interventions, and uses novel methods to measure B12 absorption and functional effects of supplementation. Her current focus is on methods for assessment of micronutrients in human milk, and effective interventions for increasing low milk micronutrient concentrations. Dr. Allen is President-Elect of the American Society for Nutrition and served as President of the Society for International Nutrition Research. She received the Kellogg Prize from the Society for International Nutrition Research, and the McCollum International Lectureship and Conrad A. Elvehjem Award for Public Service in Nutrition from the American Society for Nutrition. She is past Vice President of the International Union of Nutritional Sciences, serves on the International Micronutrient Forum, and chaired the Vitamin B12 Expert Panel for NIH's Biomarkers in Nutrition and Development. In 2016 she received the Outstanding Investigator of the Year Award from the Vitamins and Minerals Research Interest Section of the American Society for Nutrition, and the Career Achievement in Evidence Translation Award from the Mathile Institute.





Daniela Hampel, Ph.D., is Associate Project Scientist in the Department of Nutrition at the University of California, Davis. Dr. Hampel's research is focused on method development for phenotyping breast milk and plasma samples and assessment of micronutrient deficiencies in mostly developing countries as well as evaluation of biomarkers to assess adequate micronutrient intake for mothers, breast milk status and infants 0 - 6 months.

She has developed the first simultaneous analysis of several B-vitamins in human milk and established an extended portfolio of micronutrient analyses for the milk matrix. Dr. Hampel has Ph.D. in food chemistry from the University of Frankfurt/Main, Germany.

Stephanie Atkinson, Ph.D., is a Professor and Nutrition Clinician-Scientist in Pediatrics at McMaster University and McMaster Children's Hospital in Hamilton, Ontario. Her current research, primarily funded by the Canadian Institutes of Health Research (CIHR), embodies randomized clinical trial and epidemiological investigations into the environmental (nutrition), genetic and biochemical factors during fetal, neonatal and early childhood life that play a role in defining the offspring phenotype and as risk determinants for noncommunicable diseases. Her involvement in research on the developmental

origins of health and disease (DOHaD) spans national and international clinical trials under the CIHR HeLTI initiative as well as the DOHaD birth cohort harmonization project ReACH (https://www.maelstrom-research.org/mica/network/reach). In knowledge translation activities Dr. Atkinson has served as an expert advisor to projects by Health Canada, the National Academies of Science, Engineering and Medicine and the Office of Dietary Supplements of NIH that involved development of the Dietary Reference Intakes (DRI), dietary guidelines for Canadians and Americans, and feeding practice guidelines for premature and term infants. Recognition honors include election as Fellow of the American Society of Nutrition and the Canadian Academy of Health Sciences; a Doctorate of Science, honoris causa, from Western University; and the Khursheed Jeejeebhoy Award for Best Application of Clinical Nutrition Research to Clinical Practice from the Canadian Nutrition Society.

Kellie Casavale, Ph.D. R.D., is a Senior Nutrition Advisor in the Office of Nutrition and Food Labeling within the Center for Food Safety and Applied Nutrition at the U.S. Food and Drug Administration (FDA). In this role she provides consultation and support to the Directors and to the office's three technical groups (Nutrition Programs, Infant Formula and Medical Foods, and Food Standards and Labeling). Among her roles is leadership of the Federal Data Consortium on Pregnancy and Birth to 24 Months (P/B24), a collaboration of over two dozen federal agencies and a forum for sharing information and finding solutions to resolve crucial

needs for data on P/B24 populations to inform public health initiatives. She leads collaborative projects related to the Consortium, including the Human Milk Composition Initiative and special projects within the National Health and Nutrition Examination Survey (NHANES). Dr. Casavale came to FDA in 2018 from the Office of Disease Prevention and Health Promotion in the U.S.







3

Department of Health and Human Services (HHS) where she supported HHS's leadership of the development of the 2015-2020 Dietary Guidelines for Americans, was one of the four Co-Executive Secretaries to the 2015 Dietary Guidelines Advisory Committee, and was a lead HHS policy writer.

Margaret (Peggy) Neville, Ph.D., is Professor Emerita in the Departments of Physiology and Biophysics as well as Obstetrics and Gynecology at the University of Colorado, School of Medicine. Dr. Neville has been working on the functional biology of the mammary gland and milk secretion since the mid-1970s. She has authored over 100 peer-reviewed research papers and 80 reviews in the field, and was a founding editor of the Journal of Mammary Gland Biology and Neoplasia. She chaired the Gordon Conference on Mammary Biology in 1999 and was the 2014 recipient of the Macy-Gyorgi award from ISRHML. Dr. Neville

was the Pearl Lecturer for the Human Biology Association in 2015. She was the Principal Investigator on the Program Project Grant "Functional Development of the Mammary Gland" from its inception in 2000 until she turned the project over to Steven Anderson in 2011. In retirement she continues writing and counseling activities in the fields of mammary gland biology and cancer biology and recently chaired a session at the Gordon Conference on Mammary Gland Biology on Epithelial Morphogenesis and Functional Differentiation.

Mark McGuire, Ph.D., is University Distinguished Professor, Associate Dean of Research & Director of the Idaho Agricultural Experiment Station at the University of Idaho. A lactation physiologist, McGuire studied milk production and mastitis in dairy cattle through support from the United States Department of Agriculture and the dairy industry. He also received grants from the National Institutes of Health, the Bill and Melinda Gates Foundation, and the National Science Foundation for work on mastitis in women and the chemical and microbiological properties of human milk.





