



ASN Emerging Leaders in Nutrition Science Poster Competition

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* presenter will be available from 5:00 pm – 6:00 pm

* presenter will be able from 6:00 pm – 7:00 pm

Medical Nutrition Council

1. ***“Genetic Variants in GLUT14 Gene Enhance Susceptibility to Inflammatory Bowel Disease.”*** Mandana Amir Shaghghi, University of Manitoba
2. ***“Hepcidin, Iron Status and Inflammation in School-Aged Nepalese Children.”*** Sarah Baker, Johns Hopkins Bloomberg School for Public Health
3. ***“Impact of Gut Microbiome Modulation on Gut Inflammation.”*** Anne Ballou, North Carolina State University
4. ***“Cereal-in-the-Bottle Associated with Increased Time Between Feeds Among a Sample of Low-Income Women.”*** Katherine M. Bower, University of Tennessee
5. ***“Balancing the Risk of Infant Low Birth Weight and Macrosomia: an Examination of Gestational Weight Gain or Weight Loss among Obese Women.”*** Nicholas P. Deputy, Emory University
6. ***“Altering the Gut Microbiome to Improve Tolerability of Metformin.”*** Matthew R. Johnson, Pennington Biomedical Research Center
- * 7. ***“Goji berry improves colitis in IL10-/- mice through modulating gut microbiota.”*** Yifei Kang, Washington State University (presenter will be available from 5:00 pm – 6:00 pm)
8. ***“Changes in Fecal Vitamin K Content are Associated with the Gut Microbiota.”*** J. Philip Karl, Jean Mayer USDA HNRCA, Tufts University
- * 9. ***“Resistant Starch Alters Gut Microbiota and Reduces Uremic Retention Solutes in Rats with Adenine-induced Chronic Kidney Disease.”*** Dorothy Kieffer, USDA/University of California, Davis (presenter will be available from 5:00 pm – 6:00 pm)
10. ***“Intake of 2 Eggs or Oatmeal for Breakfast does not Increase Biomarkers for Heart Disease while Eggs Improve Liver Enzymes and Raise HDL Cholesterol in Young Healthy Individuals.”*** Amanda Missimer, University of Connecticut
11. ***“Components of a Mediterranean Diet are Associated with Gut Permeability in Obese Adults.”*** Olivia Moss, Rush University
12. ***“Dietary Protein Source Impacts Bone, Acid Load and Calcium Excretion in Murine and Human Phenylketonuria.”*** Bridget M. Stroup, University of Wisconsin-Madison
13. ***“Improvement of Metabolic Parameters in Mice Supplemented with Vitamin D throughout Life.”*** Christopher R. Villa, University of Toronto
14. ***“Complementary Feeding Pattern Reduces the Impact of Diarrhea on Relative Weight: A Longitudinal Analysis of the Interaction of Diet and Diarrhea on Weight-for-length in Cebu Infants.”*** Melecia Wright, University of North Carolina at Chapel Hill
- * 15. ***“THE EFFECT OF A LOW GLYCEMIC INDEX DIET ON DIABETIC NEPHROPATHY.”*** Korbua Srichaikul, St. Michael’s Hospital/University of Toronto (presenter will be available from 5:00 pm – 6:00 pm)
- + 16. ***“EFFECT OF LOW GLYCEMIC INDEX DIET ON APOLIPOPROTEIN B AND LDL PARTICLE SIZE.”*** Korbua Srichaikul, St. Michael’s Hospital/University of Toronto (presenter will be available from 6:00 pm – 7:00 pm)

17. ***"Dietary Quality in Nulliparous Women Planning Pregnancy: Results from the ISIS Study."*** Pao Ying Hsiao, Indiana University of Pennsylvania
18. ***"Changes in the Intestinal Microbiota and Host Inflammatory Gene Expression in Pigs Fed a Flavanol-Enriched Cocoa Powder."*** Saebyeol Jang, USDA, ARS, Beltsville
19. ***"A Healthy Lifestyle Score is Associated with Inflammation Markers among Puerto Rican Adults."*** Mercedes Sotos-Prieto, Harvard School of Public Health

Aging and Chronic Disease RIS

20. ***"Effects of Dietary Protein on Skeletal Muscle Mass and Sarcopenia Risk in Middle-aged Framingham Adults."*** Justin Rene Buendia, Boston University School of Medicine
21. ***"The Effect of a Synbiotic Diet on Bone Structure in Aging Male Mice."*** Maureen T. Choman, Colorado State University-Pueblo
22. ***"Caffeine, coffee and tea in relation to risk of hip fracture in The Singapore Chinese Health Study."*** Zhaoli Dai, National University of Singapore
23. ***"Dietary Supplementation with Quercetin Rejuvenates Cognitive Performance Independent of Adult Hippocampal Neurogenesis."*** Kristy Du, University of Illinois at Urbana-Champaign
24. ***"Creatine Supplementation Increases Muscle Branched-Chain Amino Acids in an Alzheimer Mouse Model."*** Farnaz Farshidfar, University of Manitoba
25. ***"Dietary Inflammatory Index Scores and C-Reactive Protein Concentrations among Older Adults."*** Jamie M. Houdek, Rush University Medical Center
26. ***"Assessing Nutritional and Vitamin D Status of Postmenopausal Obese and Osteosarcopenic Obese Women."*** Julia E. Inglis, Florida State University
27. ***"High Maternal Choline Consumption During Pregnancy and Nursing Alleviates Deficits in Social Interaction and Improves Anxiety-like Behaviors in the BTBR T+Itpr3tf /J Mouse Model of Autism."*** Erika A. Langley, Boston University School of Medicine
28. ***"Dietary Intake among Home-Delivered Meal Recipients before and after Receiving Meals."*** Britta Moore, Texas State University
29. ***"Do Food Group Intake and Physical Activity during Growth Spurt Have Impact on Bone Health during Adulthood."*** Elham Movassagh, University of Saskatchewan
30. ***"mTORC1 Nutrient Signaling and Autophagy in Young and Older Skeletal Muscle after Bed Rest and Rehabilitation."*** Ruth Tanner, University of Utah
31. ***"Dietary Protein Food Pattern is Not Associated with Muscle Mass or Strength Among Protein Replete Adults."*** Kelsey M. Mangano, Harvard Medical School
32. ***"Effects of dietary blueberry on cognition and in vivo and in vitro inflammatory status."*** Marshall G. Miller, USDA-ARS, HNRCA at Tufts University

33. "A Diet Containing EGCG and Beta-Alanine Decreases Mortality and Improves Balance in Aged Mice, but Does Not Affect Cognitive Function." Brandt D. Pence, University of Illinois at Urbana-Champaign

34. "Eating Behaviors, Mental health, and Food Intake are Associated with Obesity in Older Congregate Meal Participants." Kathryn N. Porter Starr, Duke University Medical Center/Durham VA Medical Center

Diet & Cancer RIS

35. "Walnut phenol extracts inhibit stemness of colon cancer stem cells in vitro." Yoo-Sun Kim, Ewha Womans University

36. "Polyphenolics from mango (*Mangifera Indica L.*) suppress breast cancer ductal carcinoma in situ proliferation in both in vitro and in vivo models for cancer." Matthew J. Nemece, Texas A&M University

37. "Obesity-induced Intestinal Tumorigenesis is Associated with Inflammatory Cytokines and Activation of Pro-tumorigenic Signaling Pathways in the Colon." Anna C. Pfalzer, HNRCA, Tufts University

38. "Delta Tocotrienol Inhibits MMP-9 Dependent Invasion and Metastasis of Non-Small Cell Lung Cancer (NSCLC) Cell by Suppressing Notch-1 Mediated NF-kb and uPA Pathways." Lichchavi D. Rajasinghe, Wayne State University

39. "Relationships of Prostaglandin E2 with Fatty Acid Concentrations and Gene Expression in Colon of Individuals at Increased Risk of Colon Cancer." Elkhansa H. Sidahmed, University of Michigan

40. "Inhibition of colon carcinogenesis by 5-demethylnobiletin in azoxymethane-treated rats." Mingyue Song, University of Massachusetts-Amherst

41. "Selenoprotein W Inhibits the c-Met Oncogene by Regulating Receptor Ubiquitination." Christina R. Wilcox, University of California, Davis

42. "Chemopreventive effects of nobiletin on azoxymethane-induced colon carcinogenesis in rats is associated with inhibition of heat shock proteins." Xian Wu, University of Massachusetts-Amherst

43. "Tumor Progression Locus 2 Depletion Inhibits Hepatic Inflammation and Steatosis and Incidence of Hepatocellular Carcinoma." Xinli Li, Jean Mayer USDA HNRCA, Tufts University/Medical College of Soochow University

44. "Docosahexaenoic Acid and Doxorubicin Act Synergistically to Disrupt Cell Cycle and Increase Cell Death of MDA-MB-231 Breast Cancer Cells." Marnie Newell, University of Alberta

45. "Global DNA Methylation and Hydroxymethylation Differ in Hepatocellular- and Cholangio-Carcinoma and Relate to Survival Rate." Silvia Udali, University of Verona

46. "Fatty Acid Patterns and the Risk of Prostate Cancer in the Physicians' Health Study." Meng Yang, Harvard School of Public Health

Lactation RIS

47. ***“Branch Chain Fatty Acids of Human Milk: Influenced by Maternal Diet?”*** Kelly A. Dingess, Cincinnati Children's Hospital
48. ***“The Role of ZnT2 in the Mammary Gland during Lactation.”*** Sooyeon Lee, Penn State Hershey College of Medicine/Pennsylvania State University
49. ***“Milk Mineral and Cytokine Concentrations Differ in Guatemalan Mothers with Subclinical Mastitis (SCM) by Stage of Lactation.”*** Chen Li, McGill University
50. ***“A Longitudinal Study of Human Milk Composition Beyond One Year Postpartum.”*** Maryanne T. Perrin, North Carolina State University
51. ***“The Relationship of Breast Milk Intake as Assessed with Deuterium Dilution on Growth and Body Composition of Infants in Jamaica.”*** Sherine N. Whyte, University of the West Indies
52. ***“Breastmilk Vitamin B12 Concentration is Low among Women in Western Kenya and is Not Associated with Animal Source Food Intake or Food Insecurity.”*** Anne Williams, University of California, Davis
53. ***“Infection-Specific Responses of Breastmilk Leukocytes.”*** Foteini Hassiotou, University of Western Australia
54. ***“Diet influences the oral microbiota of infants during the first six months of life.”*** Hannah D. Holscher, University of Illinois
- *55. ***“Milk osteopontin may promote brain development via up-regulating osteopontin expression in vivo.”*** Rulan Jiang, University of California, Davis (presenter will be available from 5:00 pm – 6:00 pm)
- +56. ***“Bovine lactoferrin is a transcription factor stimulating IL-1 beta gene expression in the small intestine.”*** Rulan Jiang, University of California, Davis (presenter will be available from 6:00 pm – 7:00 pm)
57. ***“Human Milk Leptin, Insulin and N6/N3 Fatty Acids are associated with Early Differences in Gut Microbiome of Infants Born to Normal Weight and Obese Mothers.”*** Dominick Lemas, University of Colorado Anschutz Medical Campus
58. ***“Early Supplementation of Phospholipids and Gangliosides Affects Brain and Cognitive Development in Neonatal Piglets.”*** Emily C. Radlowski, University of Illinois Urbana-Champaign

Nutrient-Gene Interactions RIS

59. ***“Macronutrients Differentially Regulate PFKFB3 Expression and Increase Inflammation in Intestinal Epithelial Cells.”*** Rachel Botchlett, Texas A&M University
60. ***“All trans-Retinoic Acid Mediates Wnt/ β -catenin Signaling through MED28 in Human Colon Cancer Cells.”*** Nien-Tsu Hsieh, China Medical University
61. ***“The RFC1 80G>A Relates to Survival Rate According to PBMCs DNA Global Methylation in Primary Liver Cancer.”*** Sara Moruzzi, University of Verona
62. ***“Inflammation Attenuates Adaptive Thermogenesis via Autophagy and ER Stress-Associated Mechanism.”*** Meshail Okla, University of Nebraska-Lincoln

63. ***“Diverse Classes of Bitter Phytochemicals Modulate Carbohydrate Metabolism and Immune Responses through Gastrointestinal Bitter Taste Receptors.”*** Kimberly Palatini, North Carolina State University
64. ***“Effects of High Fat Diets on Metabolic Gene Expression in the Liver and Adipose of the Offspring through Multi-generations via Epigenetic Alterations.”*** Joo Hyun Park, Ewha Womans University
65. ***“Leptin Gene Polymorphism and Blood Pressure Changes During Pregnancy and Early Postpartum: Longitudinal Study.”*** Dayana Rodrigues Farias, Federal University of Rio de Janeiro
66. ***“Obesity-induced Inflammation in Human Mammary Tissues: a Microenvironment Favorable for the Development of Postmenopausal Breast Cancer.”*** Agathe A. Roubert, University of Massachusetts
67. ***“Diet-gene interaction in arachidonic (ARA) and docosahexaenoic (DHA) acid synthesis shows compensatory upregulation.”*** Hang Su, University of Illinois at Urbana-Champaign
- *68. ***“The Effects of Childhood Malnutrition on DNA Methylation in Adulthood.”*** Laura Fischer, Harvard Medical School (presenter will be available from 5:00 pm – 6:00 pm)
69. ***“Pulsatile Delivery of Cortisol Regulates Lipid Storage in Adipocytes in Vitro and Human Adipose Gene Expression in Vivo.”*** Kalypso Karastergiou, Boston University School of Medicine
70. ***“Diet-induced Weight Loss Changes in Gene Regulatory Networks in the Rectum: Network Analysis as a Compliment to Traditional Gene Expression Analysis.”*** Ashley J. Vargas, Harvard School of Public Health

Nutritional Immunology RIS

71. ***“Vitamin D Status and Respiratory Tract Infections: A Systematic Review and Meta-Analysis of Observational Evidence.”*** Kayla Furlong, University of Toronto/The Hospital for Sick Children
72. ***“Effects of Early Life Pathogenic Exposures and Obesity on Childhood Inflammation Levels in Galápagos, Ecuador.”*** Kelly M. Houck, University of North Carolina
73. ***“Effect of Sinigrin on Vascular Cell Adhesion Molecule-1 Expression in TNF- α -Stimulated Mouse Vascular Smooth Muscle Cells via Downregulation of NF- κ B Signaling Pathways.”*** Hee Weon Lee, Sungkyunkwan University
74. ***“Vitamin D Status and Severity of Pneumonia in Ecuadorian Children.”*** Rana R. Mokhtar, Boston University
75. ***“Changes in leukocytes populations related to commercial sucralose intake.”*** Marcela Sánchez Delgado, Universidad Autónoma del Estado de México
76. ***“Citrobacter rodentium Infection Alters Murine Colonic microRNA Signature.”*** Bijun Wen, University of Toronto
77. ***“Infection with Entamoeba coli and Ascaris lumbricoides Affects Energy, Nutrients and Foods Intake in Mexican Children.”*** Gerardo A. Zavala, VU Amsterdam University/Universidad Autonoma de Queretaro
78. ***“Feeding a Docosahexaenoic Acid Rich Diet During the Suckling and Weaning Period Modulates Immune Function in Offspring.”*** Caroline Richard, University of Alberta

79. ***“Cardiometabolic and Immunological Impacts of Extra Virgin Olive Oil Consumption in Overweight and Obese Older Adults: A Randomized Controlled Trial.”*** Mitra Rozati, Jean Mayer USDA HNRCA, Tufts University/University of Massachusetts Lowell

Nutritional Education & Behavioral Sciences RIS

80. ***“Association of Video Game Playing and Lifestyle Behaviors in Adults.”*** Christine Cemelli, NYU Steinhardt

81. ***“Physical Activity (PA) Guide Development for Parents of Preschoolers: Qualitative Analysis.”*** Colleen Delaney, Rutgers University

82. ***“Comparative Analysis of Single Versus Multiple Behavioral Economics Intervention Components on Children's Food Intake from The National School Lunch Program.”*** Haleigh M. Golub, Ohio State University

83. ***“Self-Efficacy is Associated with Healthy Eating Behaviors for Fifth Grade Students.”*** Elisha Hall, University of Nebraska-Lincoln

84. ***“One-year and Two-year Effects of The USDA Fresh Fruit and Vegetable Program (FFVP) on Students' Fruit and Vegetable Intake Frequency and Variety.”*** Yi-Chun Lin, Indiana University

85. ***“Teachers Don't Know What They Don't Know About Nutrition: A Case for Improving Professional Development.”*** Jessica D. Linnell, University of California, Davis

86. ***“Differences in Utilized Mealtime Strategies Between Home-and Center-Based Daycare Providers and Parents.”*** Virginia Luchini, University of Illinois at Urbana-Champaign

87. ***“Supporting Autonomy in a Nutrition Intervention for Overweight/Obese Children Using Self-Determination Theory with Motivational Interviewing.”*** Angelina M. Maia, University of Maine

88. ***“Examine the Knowledge of Nutrition and Physical Activity among 3rd-Graders using Two Different Teaching Methods in Elementary School.”*** Susan Melhorn, University of Arkansas for Medical Sciences

89. ***“Skin carotenoids correlate with plasma carotenoids and reported intake in 4th-grade children.”*** Lori M. Nguyen, University of California, Davis

90. ***“Educator Interactions at Head Start Lunches: A Context for Nutrition Education.”*** Taren M. Swindle, University of Arkansas for Medical Sciences

91. ***“Can Nutrition Education Support Academic Achievement? Evidence Supporting Integration of Food & Nutrition Education into Intermediate Curricula.”*** Virginia Carraway-Stage, East Carolina University

92. ***“Piloting of a Learner-Centered Nutrition Curriculum for School Nutrition Staff.”*** Anna M. Jones, University of California, Davis

93. ***“Factors Associated with Meeting Public Health Recommendations for Beverage Intake in Young Children.”*** Tatiana Mesa, University of Massachusetts

Nutrition Translation RIS

94. ***“Evaluating the Discrimination of Sugar Content Thresholds in the Canadian Nutrient File Classification System.”*** Jodi T. Bernstein, University of Toronto
95. ***“Accuracy of Consumers' Ability in Identifying Whole Grains Foods: Implications for Policy Change.”*** Molika Chea, University of Connecticut
96. ***“Does Mere Exposure Mediate Sensitivity to Bitter Taste on Consumer Liking and Acceptability of Whole Grain Foods?”*** Angela De Leon, University of California, Davis
97. ***“A Comparison of the Healthfulness of Prepackaged Children's Foods from Participants and Non-Participants of the Canadian Voluntary Code on Marketing to Children.”*** Chelsea W. Murray, University of Toronto
98. ***“Understanding Aspects of Carbohydrate Quality in Rice Related to Differences in Gastric Emptying Rate.”*** Elizabeth Pletsch, Purdue University
99. ***“Medicinal and Nutritional Plants in Rural Panama: Artisanal Lemongrass Tea has High Community Acceptability.”*** Thomas P. van der Have, Catholic University of Leuven
100. ***“Beverage Groups Consumed by US Children and Their Impact on Nutrient Intake.”*** Elizabeth A. Parker, USDA, Beltsville
101. ***“Trends in the Content and Forms of Vitamin K in Processed Foods.”*** Monica Z. Brown-Ramos, Jean Mayer USDA HNRCA, Tufts University

Global Nutrition Council

102. ***“Evaluating Growth Regulating Hormones in Rural Gambian Children.”*** Helen M. Nabwera, The Gambia, Banjul/London School of Hygiene and Tropical Medicine
103. ***“Mixed methods approach to characterize longitudinal food insecurity and coping strategies in the Peruvian Amazon.”*** Ramya Ambikapathi, Johns Hopkins School of Public Health
104. ***“Iodized Salt Improves Child's Iodine Status, Mental Development, and Physical Growth in a Cluster Randomized Trial in Ethiopia.”*** Karim Bougma, McGill University
105. ***“Effect of vitamin B12 supplementation on B12 status and neurophysiological function in older Chileans analyzed by the combined indicator of B12 status.”*** Alex Brito, USDA-ARS WHNRC
106. ***“Civil Conflict and Child Health in Africa: An Instrumental Variables Approach.”*** Amelia F. Darrouzet-Nardi, Tufts University
107. ***“An Evaluation of Two Methods to Measure Hemoglobin Concentration among Women with Genetic Hemoglobin Disorders in Cambodia: A Method-Comparison Study.”*** Crystal Karakochuk, University of British Columbia
108. ***“Conducting Formative Research to Understand Patterns and Determinants of Small-quantity LNS Utilization in Rural Malawi and Mozambique.”*** Stephen Kodish, Johns Hopkins Bloomberg School of Public Health

109. ***“Women's Economic Autonomy, Education, and Experience of Domestic Violence Are Associated with Household Food Security among Pregnant Women in MINIMat Study in Bangladesh.”*** Shibani Kulkarni, University of South Carolina
110. ***“Growth Monitoring and Promotion in Rural Ghana: Lack of Motivation or Tools?”*** Matilda E. Laar, McGill University
111. ***“A Plasma Proteome Associated with Inflammation in Nepalese School-aged Children.”*** Sun Eun Lee, Johns Hopkins Bloomberg School of Public Health
112. ***“Household Poverty Does Not Correlate With Micronutrient Malnutrition: Preliminary Findings From A Cross-sectional Survey in Madhya Pradesh.”*** Nandita Perumal, Hospital for Sick Children
113. ***“ α 2-Heremans-Schmid glycoprotein (AHSG) polymorphism and HOMA-IR in young Mexican adults.”*** Katie N. Robinson, University of Illinois
- * 114. ***“Cost-effectiveness of Mama-SASHA: a project to improve health and nutrition through an integrated orange-fleshed sweetpotato production and health service delivery model.”*** Julie L. Self, Emory University
(presenter will be available from 5:00 pm – 6:00 pm)
- +115. ***“How Does Homestead Food Production Improve Child Nutrition? Path Analysis of the AAMA Project in Nepal.”*** Julie L. Self, Emory University (presenter will be available from 6:00 pm – 7:00 pm)
116. ***“Calcium Supplementation for Preeclampsia Prevention: Estimated Risk of Excessive Intake in Ethiopian Women.”*** Biniyam Tesfaye, Ethiopian Public Health Institute
117. ***“Elevated Umbilical Cord Cytokines are Related to Birth Size in HIV-exposed and Unexposed Infants.”*** Amanda L. Wilkinson, Cornell University
118. ***“Maternal Weight Loss Increases Preterm Birth in Kenya.”*** Blake Barr, Cornell University
119. ***“Availability and Intake of Foods with Naturally Occurring or Added Vitamin D in a Setting of High Vitamin D Deficiency.”*** Morgan B. Cooper, Pennsylvania State University
120. ***“Association of blood fatty acids and growth in Tanzanian children 2-6 years of age.”*** Samantha Hahn, Michigan State University

Community and Public Health Nutrition RIS

121. ***“Pulse Pressure and Blood Triglyceride Levels among a Young Multi-Ethnic Group Living in South Florida.”*** Sahar Ajabshir, Florida International University
122. ***“Who Reads Nutrition Labels? Label Usage by College Students in a Dining Hall Setting.”*** Mary J. Christoph, University of Illinois at Urbana-Champaign
123. ***“Is Diversity in Agricultural Production Linked to Dietary Diversity Among Nepalese Women?”*** Claire M. Fitch, Johns Hopkins Bloomberg School of Public Health
124. ***“Changes in Self-efficacy and Fruit and Vegetable Intake in the FAITH Trial.”*** Amy Morel L'Horset, New York University

125. ***“Validation of ALIVE!® Block Food Frequency Questionnaire for Use with College Students.”*** Jamisha Ross, University of Maryland

126. ***“Food Insecurity and its Association with Depression among Injection Drug Users (IDUs) with or without HIV in Chennai, India.”*** Joachim Sackey, Tufts University

127. ***“Oxidative Stress in Healthy Subjects with Cardiometabolic Risk Factors.”*** Beatriz E. Martinez-Carrillo, Universidad Autónoma del Estado de México

128. ***“Replacement of Sugar-Sweetened Beverages with Water and its Impact on Insulin Sensitivity Among Overweight Adolescents and Young Adults.”*** Ran Jin, Emory University

129. ***“Employed US Adults' Support for Food and Beverage Worksite Wellness Strategies and Sugar-Sweetened Beverage Intake during the Workday.”*** Seung Hee Lee-Kwan, Centers for Disease Control and Prevention

Nutritional Epidemiology RIS

130. ***“Food Groups Associated with a Reduced Risk of 15-year All-cause Death.”*** Vanina Bongard, Toulouse University - INSERM

131. ***“Development and Validation of a Novel Household Grocery Food Purchase Quality Score.”*** Philip J. Brewster, University of Utah

132. ***“The Association between Insomnia Symptoms and Diet Quality and Energy Intake.”*** Feon W. Cheng, Pennsylvania State University

133. ***“Circulating Biomarkers in Breast Cancer Prognosis and Survival: A Systematic Review.”*** Junrui Cheng, Tufts University

134. ***“Overtime Growth and Spatial Distribution of Fast Food Industry in China during 2005-2012.”*** Xi Cheng, University at Buffalo

135. ***“Comparability of Dietary Data Collection Programs for U.S. Adults, 2007-2011.”*** Zach Conrad, Tufts University

136. ***“Comparing Growth Assessments Using CDC and WHO Reference Data in Native Hawaiian Pacific Islander Children: Baseline Data from the Children's Healthy Living (CHL) Program in Hawai'i.”*** Monica K. Esquivel, University of Hawaii Manoa

137. ***“Vitamin B6 Status is Associated with Depression Among Women with Inflammation.”*** Joycelyn M. Faraj, University of Massachusetts

138. ***“Waist Size in 9-11 Year-old Black and White Girls Predicts Development of Cardiometabolic Risk over Ten Years.”*** Sanae E. Ferreira, BU School of Medicine

139. ***“The DASH Diet, Cardiovascular Disease Risk and Obesity in the United Kingdom.”*** Nicholas R.V. Jones, University of Cambridge

140. ***“Food Craving in Childhood Cancer Survivors.”*** Marissa M. Shams-White, Tufts University

141. ***“Does Pollution Exacerbate Obesity Risks? A Systematic Review and Meta-analysis.”*** Kelsey A. Smith, State University of New York at Buffalo

142. ***“Examining the impact of Walmart’s healthier foods initiative on the nutrient profile of US packaged food purchases.”*** Lindsey P. Smith, University of North Carolina at Chapel Hill
143. ***“Dietary Patterns and Risk of Age-Related Macular Degeneration After More Than Two Decades of Follow-Up.”*** Juan Wu, Harvard School of Public Health
144. ***“Social Support in Context and its Association with Three Healthy Diet Indicators.”*** Sandra P. Arévalo, University of Massachusetts-Lowell
145. ***“Characterizing household food shopping behavior using novel receipt-based geospatial measures.”*** Timothy L. Barnes, University of Minnesota
146. ***“Dietary Flavonoid Intake and Weight Change.”*** Monica L. Bertoia, Harvard School of Public Health
147. ***“Quantity and Variety in Fruit and Vegetable Intake and Cardiovascular Disease (CVD) Risk: The Women’s Health Initiative (WHI).”*** Shilpa N. Bhupathiraju, Harvard School of Public Health
148. ***“Higher red blood cell n-3 fatty acid composition prospectively relates to lower depressive symptomatology.”*** Sherman J. Bigornia, University of Massachusetts-Lowell
149. ***“Increased Carbohydrate Intake And Glycemic Load Are Associated with Left Ventricular Hypertrophy.”*** Nikki Bush, University of Alabama at Birmingham
150. ***“Combining Public Datasets to Explore Relationships Between Dietary Change, Development and Health 1980-2009.”*** Rosemary Green, London School of Hygiene and Tropical Medicine
151. ***“Changes in Intake and Major Food Sources of Flavonoids among U.S. Adults between 1999-2002 and 2007-2010.”*** Kijoon Kim, University of Connecticut/BOM Research Institute
152. ***“Are Food Processing and Convenience Linked with the Nutritional Quality of Foods Purchased by US Households?”*** Jennifer Poti, University of North Carolina at Chapel Hill
153. ***“Adherence to the DASH Diet and Risk of Incident Chronic Kidney Disease: the Atherosclerosis Risk in Communities (ARIC) Study.”*** Casey M. Rebholz, Johns Hopkins University
154. ***“Index-based Dietary Patterns and All-cause and Cause-specific Mortality Stratified by Body Mass Index and Race/Ethnicity: NIH-AARP Diet and Health Study.”*** Tusarebecca E. Schap, National Cancer Institute, NIH
155. ***“Association between Dietary Inflammatory Potential and Breast Cancer Incidence and Mortality: Results from the Women’s Health Initiative.”*** Fred Tabung, University of South Carolina

Obesity RIS

156. ***"A randomized control trial of sugar-sweetened and artificially sweetened beverages and intrahepatic fat in overweight subjects."*** Vanessa Campos, University of Lausanne
157. ***"MD2 may mediate free fatty acid-induced inflammation and insulin resistance."*** Qilu Fang, Wenzhou Medical University
158. ***"Obesity and Hypothalamic Inflammation from High Fat Diets of Different Fatty Acid Profile."*** Kyle J. Mamounis, Rutgers University
159. ***"Diet Quality and Adiposity in Adolescents."*** Kevan Mellendick, University of North Carolina Greensboro
160. ***"Statistical Modeling Approaches with Taste Functioning and Central Adiposity in Women: Implications for Mining the New National Health and Nutrition Examination Survey (NHANES) Taste and Smell Protocol."*** Shristi Rawal, University of Connecticut
161. ***"Nopal consumption attenuates biochemical abnormalities and microbiota disbiosis in a diet induced obesity (DIO) model."*** Monica Sanchez-Tapia, Instituto Nacional de Ciencias Medicas y Nutricion S.Z.
162. ***"The Effect of Mango Supplementation on Clinical Parameters of Pre-Diabetic Individuals."*** Jess Semkoff, Oklahoma State University
163. ***"Effects of Roux-en-Y gastric bypass on sugar-induced hypertriglyceridemia."*** Anna Surowska, University of Lausanne
164. ***"Regional Fat Mass Estimations in Caucasian Adults from Regional Subcutaneous Fat Thickness Measured by Ultrasound."*** Miranda Wall, Logan University
165. ***"Pregnancy Body Weight and Neonate Gut Microbiota."*** Noel T. Mueller, Columbia University
166. ***"Consumption of Acai Beverage (Euterpe oleracea Mart.) in Cardio-metabolic Syndrome."*** Sunday Simbo, Texas A&M University
167. ***"Dyslipidemia Induces Independent Mechanisms Regulating Skeletal Muscle Protein Metabolism and Glucose Balance in Human Obesity."*** Lee Tran, Arizona State University/Mayo Clinic
168. ***"Does the recommendation to drink 8 cups of water per day promote weight loss?"*** Julia M.W. Wong, Boston Children's Hospital
169. ***"Under Reporting of Hypertension in Obese Teenagers."*** Yulyu Yeh, Wayne State University

Energy & Macronutrient Metabolism RIS

170. ***“Correspondence between effects of dietary cholesterol versus plant sterols on plasma cholesterol responsiveness and cholesterol trafficking in healthy humans.”*** Peter A.S. Alphonse, University of Manitoba
171. ***“Serum Biomarkers of Dietary Fatty Acids are Associated with Abdominal Obesity Measures in a Large Population-based Cohort of Men and Women.”*** Zayed Alsharari, Uppsala University
172. ***“Patterns of Self-Reported Dieting and Energy Intake in 15y Girls.”*** Katherine N. Balantekin, Pennsylvania State University
173. ***“High Fructose Corn Syrup and Sucrose do not Differ in Their Effects on Cardiometabolic Risk Factors: A Series of Systematic Reviews and Meta-Analyses of Randomized Controlled Trials.”*** Vivian L. Choo, St. Michael's Hospital/University of Toronto
174. ***“Influence of High Fat Diet on Macrophage Behavior and Metabolic Processes in Obesity Sensitive and Resistant Mice: Role of Monocyte Chemoattractant Protein 1.”*** Taryn L. Cranford, University South Carolina
175. ***“Impact of Liquid Sugar Reduction on Behavioral and Brain Responses to Food Viewing.”*** Camille Crézé, University of Lausanne
176. ***“Effect of Eating Speed at Breakfast on Gut Appetite Hormone Responses and Daily Energy Intake.”*** Kelli Crisp, Texas Christian University
177. ***“High-Protein Diet during Gestation Promotes Adiposity and Food Intake in Female Rat Pups in the Longer Term.”*** Caroline Desclée de Maredsous, AgroParisTech/INRA
178. ***“Omega-3 Polyunsaturated Fatty Acids have Sex-specific Effects on the Phospholipid Fatty Acid Composition and Neurotrophin Expression in the Brain of C57BL/6 Mice.”*** Brad A. Feltham, Memorial University of Newfoundland
179. ***“Potential Role of PYY in Skeletal Muscle Cells?”*** Diwakar Gupta, Cornell University
180. ***“The effects of consuming high protein solid vs. beverage breakfasts on changes in body weight and body composition in overweight, breakfast skipping adolescents.”*** Jess A. Gwin, University of Missouri
181. ***“Marine Sources but Not Plant Sources of Omega-3 Fatty Acids Prevents Progression of Hepatic Steatosis in fa/fa Zucker Rats.”*** Lena Hong, University of Manitoba
182. ***“Prebiotic Fiber Consumption Decreases Energy Intake in Overweight and Obese Children.”*** Megan Hume, University of Calgary
- *183. ***“Enzyme-treated Wheat Bran Alters Gut Microbiota and Liver Metabolome in Mice Fed a High Fat Diet.”*** Dorothy Kieffer, USDA/University of California, Davis (presenter will be available from 6:00 pm – 7:00 pm)
184. ***“Adipocyte Ablation of Long-Chain Acyl-CoA Synthetase-4 (ACSL4) Protects Against Diet-Induced Obesity.”*** Elizabeth A. Killion, Jean Mayer USDA HNRCA, Tufts University
185. ***“Inter-relationship Between the In vivo Metabolism of Apolipoprotein B100-Containing Lipoproteins and LDL Particle Size and LDL Particle Number.”*** Myriam Leclerc, Laval University

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187. ***“Increasing plasma antioxidant performance after lifestyle modification is impaired by the presence metabolic syndrome and its pro-oxidant status.”*** Fernando Moreto, Botucatu Medical School
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194. ***“Effect of a High Protein, High Egg Diet on Muscle Composition, Metabolic Health and Systemic Inflammation in Overweight and Obese, Older Adults.”*** Christian S. Wright, Purdue University
195. ***“C/EBP-beta Regulates Lipid Homeostasis and Autophagy Activation in Liver and Macrophages.”*** MD Khurshidul Zahid, Texas Tech University
196. ***“Effects of Milk Protein Concentrate on Energy Restriction-Induced Changes in Body Composition and Indices of Metabolic Syndrome.”*** Jing Zhou, Purdue University
197. ***“Role of Acyl-Coenzyme A:Cholesterol Acyltransferase 1 in Lipogenesis in Adipocytes.”*** Yuyan Zhu, Purdue University
198. ***“Effect of Prolonged Enteral Leucine Supplementation on Muscle Protein Synthesis and mTOR Activation in Neonatal Pigs Fed a Restricted Protein Diet.”*** Daniel A. Columbus, Baylor College of Medicine
199. ***“Quenching of Cytotoxic Reactive Carbonyl Species by Black Rice with Giant Embryo.”*** Mara Colzani, University of Milan
200. ***“The Impact of Beverages Varying in Macronutrient Content on Appetite and Energy Intake.”*** Anestis Dougkas, Lund University
- *201. ***“Early Childhood Malnutrition Increases Metabolic Syndrome in Adulthood.”*** Laura Fischer, Harvard Medical School (presenter will be available from 6:00 pm – 7:00 pm)
202. ***“Low Serum Sphingolipids in Attention Deficit Hyperactivity Disorder (ADHD).”*** Marcela Henríquez-Henríquez, Columbia University/Pontificia Universidad Católica de Chile

203. "Omega-3 Fatty Acids Modify Treatment Effect of High-Dose B Vitamins in Cognitively Impaired Elderly."

Fredrik Jernerén, University of Oxford

204. "Higher Total Protein Intake and Change in Total Protein Intake Impact Body Composition Changes in Adults Who Performed Exercise Training For 36 Weeks." Jung Eun Kim, Purdue University

205. "Frequent Consumption of Meals Prepared Outside Home Influence Dietary Adequacy and Diversity in Korean Adults." Kyung Won Lee, Michigan State University

206. "Effects of a Diet-based Weight-reducing Intervention in Obese Women Resistant to Weight Loss." Shirin Panahi, Laval University

207. "Increasing Healthful Food Variety is Associated with Reduced Total and Food-specific Cravings among Men in the POUNDS Lost Weight-loss Trial." Maya Vadiveloo, Harvard School of Public Health

208. "Breakfasts Higher in Protein Increase Postprandial Energy Metabolism in Overweight, Breakfast Skipping Women." Amy C. Dunn, University of Arkansas

209. "A Diet High in Protein Reduces Weight Gain, Food Intake and Liver Weight in Obese Zucker Rats." William W. French, University of Arkansas

210. "Association between fatty acid status and executive function in Tanzanian children aged 2-6." Theresia Jumbe, Michigan State University

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211. "Immunohistochemical Detection of Gut-Brain-Axis Markers along the Gastrointestinal Tract of Formula-Fed Piglets." Kirsten Berding, University of Illinois

212. "Anti-hyperglycemia effect of Lactobacillus reuteri GMNL-89 through modulating of PPARs and Energy Metabolism Related Genes expression in Insulin-Resistant Rats." Meng-Han Fan, Nutraceutical Biotechnology

213. "Postnatal Iron Deficiency Impairs White Matter Development in Neonatal Piglets." Brian J. Leyshon, University of Illinois

214. "Early Exposure to Phytosterols Protects Offspring from Hypercholesterolemia Induced by Maternal Cholesterol Feeding in Syrian Golden Hamsters." Jie Liu, State University of New York at Buffalo

215. "Effects of Contaminated Fish Oil on Hepatic FAS and HMGCR Gene Expression and Liver Function Enzyme Activities." Jan C. Lumibao, San Diego State University

216. "Investigating Tissue Level Gene-by-diet Interactions with Metabolomics." Ann Wells, University of Tennessee-Knoxville

217. "Tissue Distribution of Oxidases and Transaminases mRNA in Broiler Chickens Fed with Methionine Isomers or Precursors." Shuai Zhang, Virginia Tech

218. "Protein Synthesis Is Impaired in Low Compared to Normal Birth Weight Neonatal Pigs." Haibo Zhu, Virginia Tech

219. "Leucine Antagonizes Protein Degradation Induced by Endotoxin in Skeletal Muscle of Neonatal Pigs."

Adriana Hernandez-Garcia, Baylor College of Medicine

220. "Effect of Heat Stress on Pig Skeletal Muscle Metabolism." Lidan Zhao, Virginia Tech

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221. "Grape Seed Extract Enhances Jejunum Epithelial Differentiation likely through Suppressing Inflammation in IL10-/- mice." Shima Bibi, Washington State University

222. "Shiitake-Derived β -Glucan, Lentinan, Reduces CCL3/MIP-1 α Production via Down-Modulation of TLR2- And TLR4-Mediated NF κ B Activation And TLR2 Expression in Human THP-1 Monocytes." Xiaoshuang Dai, University of Florida

***223. "Anthocyanin-rich Black Elderberry Extract improves Inflammatory Markers and Insulin Resistance in a High-Fat Diet-Induced Obesity Model of Mice."** Nicholas J. Farrell, University of Connecticut (presenter will be available from 5:00 pm – 6:00 pm)

+224. "Anthocyanin-rich Black Elderberry Extract Improves Markers of HDL Function and Reduces Aortic Cholesterol in Hyperlipidemic Mice." Nicholas Farrell, University of Connecticut (presenter will be available from 6:00 pm – 7:00 pm)

225. "Black Raspberries Prevent Angiotensin II-Induced Senescence in Vascular Smooth Muscle Cells." Rafaela G. Feresin, Florida State University

226. "Effect of Fresh Preparation and Industrial Processing on Stability of Potato Phytochemicals." Amber Furrer, Purdue University

227. "Cranberry Extract Ameliorates Obesity-Related Liver Inflammation via the Toll-Like Receptor 4 Pathway." Shannon L. Glisan, Pennsylvania State University

228. "Effect of Grape Consumption on Biomarkers of Endothelial and Cardiovascular Health." Qian Hu, University of California, Davis

229. "Estimation of Dietary Flavonoid Intake and Major Food Sources of Korean Adults- the Korea National Health and Nutrition Examination Survey (KNHANES) 2007-2012." Shinyoung Jun, Seoul National University

230. "Ellagic Acid Supplementation Attenuates Sucrose-Induced Obesity and Metabolic Complication in C57BL/6 mice." Inhae Kang, University of Nebraska-Lincoln

+231. "Goji berry attenuates dextran sulfate sodium-induced colitis." Yifei Kang, Washington State University (presenter will be available from 6:00 pm – 7:00 pm)

232. "Effects of Early Administration of Conjugated Linoleic Acid on Development of Obesity in NescientBasic Helix-Loop-Helix 2 Knockout Mice." Yoo Kim, University of Massachusetts-Amherst

233. "Tolerance and Efficacy of a Probiotic Supplement Delivered in Capsule Form." Gina M. Labellarte, University of Wisconsin - La Crosse

234. "Protective Effect of HT057 Treatment on Dextran Sulfate Sodium Induced Colitis in Mice." Donghun Lee, College of Korean Medicine

235. ***“Green tea extract attenuates oxidative stress, inflammation, and lipogenesis through Nrf2-dependent and -independent mechanisms in diet-induced obese mice with nonalcoholic steatohepatitis.”*** Jinhui Li, The Ohio State University
236. ***“Acute Peanut Consumption Benefits Postprandial Endothelial Function in Overweight Healthy Males.”*** Xiaoran Liu, Pennsylvania State University
237. ***“Green Tea Consumption Reduces Oxidative DNA Damage and Lipid Peroxidation in Smokers and Non-Smokers.”*** Yibin Liu, Indiana University
238. ***“Metabolic Syndrome and Hepatic Steatosis is Reduced in C57BL/6J Mice Fed High-fat Diets Supplemented with Soy Isoflavones.”*** Ting Luo, Oregon State University
239. ***“Plasma alkylresorcinols as a biomarker for whole grain intake and predictor of metabolic syndrome risk.”*** Michael R. MacArthur, University of Rhode Island
240. ***“Characterization of Serum and Urinary Zearalenone and its Metabolites (Z) and its Association with Dietary Intake.”*** Tara Mauro, Rutgers University
241. ***“Potato Phenolics Modulate Rate of Glucose Transport in a Caco-2 Human Intestinal Cell Model.”*** Sydney E. Moser, Purdue University
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243. ***“Structure-Function Analysis of Ursolic Acid and its Analogs to Identify Their Anti-inflammatory Mechanism of Action.”*** Huynh Nga Nguyen, University of Texas Health Science Center at San Antonio
244. ***“Mango Supplementation Averts Hepatic and Cardiac Mitochondrial Dysfunction in Mice Fed a High-Fat Diet.”*** Babajide Ojo, Oklahoma State University
- *245. ***“Soy Flour Muffins Do Not Improve Risk Factors for Cardiovascular Disease in Adults with Hypercholesterolemia.”*** Emily M.T. Padhi, University of Guelph (presenter will be available from 5:00 pm – 6:00 pm)
- +246. ***“Tracking Isoflavones in Whole Soy Flour, Soy Muffins and Plasma after Consumption of Muffins by Healthy Adults.”*** Emily M.T. Padhi, University of Guelph (presenter will be available from 6:00 pm – 7:00 pm)
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249. ***“Cranberry Phenolic Compounds Decrease Fat Accumulation in Caenorhabditis elegans.”*** Quancai Sun, University of Massachusetts-Amherst
250. ***“Nanoemulsion-based delivery systems for nutraceuticals: Influence of carrier oil type on bioavailability of pterostilbene.”*** Yue Sun, University of Massachusetts-Amherst
251. ***“Polyphenols Extracted From Grape Powder Induce Lipogenesis and Glucose Uptake During Differentiation of Murine 3T3-F442A Preadipocytes.”*** Sheida Torabi, Texas Woman's University

252. ***“Sulforaphane Reduces Inflammatory Gene Expression in Microglia from Aged Mice.”*** Brigitte E. Townsend, University of Illinois at Urbana-Champaign
253. ***“Transport of MicroRNA-Containing, Milk-Borne Extracellular Vesicles by Human Colon Carcinoma Caco-2 Cells.”*** Tovah Wolf, University of Nebraska-Lincoln
254. ***“The in vivo effect of oil palm phenolics (OPP) in atherogenic diet induced rat model of Alzheimer's Disease (AD).”*** Yan Wu, Wayne State University
255. ***“Effect of Freeze-Drying and Hot-Air-Drying Methods on the Anti-oxidative Activities of Selected Sprouts.”*** Jeong-Hyun Yoo, SookMyung Women's University
256. ***“Formononetin enhances the expression of genes related to adipocyte differentiation and insulin sensitivity.”*** Seok-Yeong Yu, University of Massachusetts-Amherst
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261. ***“The Change in Human Microvascular Function and its Relationship to Plasma Epoxide Content After Short-Term Walnut Intake.”*** Roberta R. Holt, University of California, Davis
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263. ***“Carnosic Acid as the Major Bioactive Component in Rosemary Extract Ameliorates High-fat Diet-induced Obesity and Metabolic Syndrome in Mice.”*** Yantao Zhao, North Carolina Agricultural and Technical State University
264. ***“Metabolites of Blueberry Anthocyanins Suppress Lipotoxicity Induced Endothelial Inflammation.”*** Rafaela Cavalcanti, University of Utah
265. ***“Probiotics Do Not Enhance Anti-hypertensive Effect of Blueberry Diets in Hypertensive Rats.”*** Leo He, UPEI
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266. ***“Supplementation of aging transgenic mice with folic acid and folinic acid alleviates Alzheimer's disease-associated neuronal amyloid- β (A β) pathological progression and genomic expression profiles.”*** Ta-Fu Chen, National Taiwan University Hospital
267. ***“Maternal Folic Acid/Vitamin B12 Imbalance Programs Hepatic Gene Expression in Female Offspring.”*** Abeer Aljaadi, University of British Columbia

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269. ***"Investigation of the 3-epimer of 25-hydroxyvitamin D3 in urban schoolchildren."*** Samantha E. Berger, Tufts University
270. ***"The Zinc Transporting Network is a Central Component of Dysregulation in Breast Cancer."*** Paige Chandler, Pennsylvania State University
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277. ***"Effects of Folic Acid Deficiency on the Murine Mammary Gland."*** Susan G. Miszewski, University of California, Davis
278. ***"Iron Bioavailability of Sorghum, Cowpea, Corn and Soybean Fortified Blended Foods."*** Kavitha Penugonda, Kansas State University
279. ***"Whey-Based Supplement Added to a Plant-Based Diet Increases Total Zinc Absorption, but not Total Iron in Mexican Children."*** Ana Pérez-Pérez, Universidad Autonoma de Querétaro
280. ***"Effect of High Protein Consumption on Markers of B6 Status in a Rodent Model of Moderate Pyridoxine Deficiency."*** Sara Raposo-Blouw, University of Manitoba
281. ***"Placental Zip 8 expression is associated with heme and non-heme iron trafficking proteins."*** Yuan Ru, Cornell University
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283. ***"Association between Transcobalamin II C776G Polymorphism and Neuropathy is Modified by Folate Intake in Vitamin B-12 Sufficient Elders."*** Hathairat Sawaengsri, Jean Mayer USDA HNRCA, Tufts University
284. ***"Assessing Vitamin D3 Stability in Dietary Supplements."*** Shi Su, Boston University School of Medicine
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287. "Vitamin D Supplementation and Quality of Life Following Diagnosis in Stage II Colorectal Cancer Survivors." Cari M. Lewis, Indiana University

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