



American Society for Nutrition
Excellence in Nutrition Research and Practice

Emerging Leaders in Nutrition Science Competition

Recognizing the highest quality research presented by students and young investigators at ASN's Scientific Sessions and Annual Meeting at Experimental Biology 2016

Organized by ASN's Research Interest Sections and Councils

**Saturday, April 2, 2016
Sails Pavillion
San Diego Convention Center**

**5:00 PM – 6:00 PM: Judging period for finalists and judges
6:00 – 7:00 PM: Event open to all attendees**



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

Nutritional Epidemiology RIS

1. **“Validation of a Food Frequency Questionnaire to Assess Nutrient Intake for Diabetes Intervention Trial.”** Ahmed Al Abdrabalnabi, Loma Linda University
2. **“Comparing the FGI-10R Dietary Diversity Scale and Quantitative Food Intake: A Study in Urban Bangladesh.”** Jillian Waid, Helen Keller International
3. **“Pattern of consumption of sugar-sweetened drinks among elementary schoolchildren attending public schools in Amatitlán, Guatemala.”** Liza Díaz-Jereda, CeSSIAM
- *4. **“Development and Validation of a Nutrition Transition Diet Score for Adolescents in India.”** Nida Shaikh, Emory University (presenter will be available from 5:00 pm – 6:00 pm)
- + 5. **“Development and Evaluation of a Nutrition Transition FFQ for Adolescents in South India.”** Nida Shaikh, Emory University (presenter will be available from 6:00 pm – 7:00 pm)
6. **“Egg Intake as Part of a DASH Eating Pattern is Linked with Lower Body Fat in Later Adolescence.”** Melanie Mott, Boston University School of Medicine
7. **“The Relationship Between Dietary Patterns and Carotid Intima Media Thickness, as an Early Biomarker of Cardiovascular Disease: A Systematic Review and Narrative Synthesis.”** Shivani Bhat, M R C Human Nutrition Research
8. **“Impact of Body Mass Index and Metabolic Health Status on All-Cause Mortality Risk among Older Adults.”** Feon Cheng, The Pennsylvania State University
9. **“Differential Predictors of Cardiometabolic Risk Among College-aged Males and Females.”** Michael MacArthur, University of Rhode Island
- *10. **“Dietary Carbohydrate Intake, Glycemic Index and Glycemic Load in Relation to Adiposity-Related Cancer Risk: Results from The Framingham Offspring Cohort (1991-2013).”** Nour Makarem, New York University (presenter will be available from 5:00 pm – 6:00 pm)
11. **“Higher Diet Quality and Decreased Inflammation in Young Women.”** Qiong Chen, University of Massachusetts Amherst
12. **“Nut Intake, Prospective Weight Change, and Obesity Risk: The Adventist Health Study-2.”** SALEM EL-AMARI, Loma Linda University
- *13. **“Comparison of Polyphenol Intakes in Relation to Dietary Patterns and Food Sources in the Adventist Health Study-2 Cohort.”** Nasira Burkholder-Cooley, Loma Linda University (presenter will be available from 5:00 pm – 6:00 pm)
14. **“Socioeconomic Disparities in Dietary Intake and Food Purchasing of Foods and Beverages of Varying Healthfulness in Mexico.”** Nancy Lopez-Olmedo, University of North Carolina at Chapel Hill
15. **“Elevated Early Adolescent Body Fat Measures Predict Increased Blood Pressure after Ten Years in Black and White Girls.”** Sanae Ferreira, Boston University School of Medicine
16. **“Use of Skin Carotenoids as a Biomarker for Fruit and Vegetable Intake Among Mexican-Origin Children in a Community Setting.”** Alberto Aguilera, University of California, Davis
17. **“Development and Validation of Empirical Indices of Dietary Insulinemic Potential.”** Fred Tabung, Harvard T. H. Chan School of Public Health

18. **"Prospective Relations between Red Blood Cell n-6 and n-3 Fatty Acid Composition and Cognitive Function among Older Puerto Rican Adults."** Sherman Bigornia, University of Massachusetts Lowell
19. **"Association of Total Antioxidant Capacity with Mortality of U.S. Adults in Follow-up Study of NHANES 1988-1994 and 1999-2004."** Kijoon Kim, University of Connecticut
20. **"A Folate, Vitamin B12 and Homocysteine-related dietary pattern and risk of subclinical atherosclerosis: findings from the MRC National Survey of Health and Development (NSHD)."** Jane Maddock, MRC Human Nutrition Research
21. **"Calibrating Self-reported MVPA Strengthens Relationship with Metabolic Syndrome."** Christopher Ford, University of Texas MD Anderson Cancer Center
22. **"Usual Coffee Intake among Adults in the United States."** Erikka Loftfield, National Cancer Institute

Global Nutrition Council

23. **"Physical Activity and Work Productivity in Response to Iron and Iodine Double-Fortified Salt Trial in Indian Tea Estate Workers."** Mia Blakstad, Cornell University
24. **"Length-for-age and Weight-for-age Z-scores at Birth Using the World Health Organization Growth Standards Versus the New INTERGROWTH 21st Newborn Size Standards."** Nandita Perumal, Dalla Lana School of Public Health, University of Toronto
25. **"An Enteropathy Score Predicts Subsequent Length Better than Lactulose Mannitol (L:M) Ratio alone in Children Enrolled in a Community-based Randomized Trial of Complementary Food Supplements in Rural Bangladesh."** Rebecca Campbell, Johns Hopkins Bloomberg School of Public Health
26. **"Predicted Effects of Current and Potential Micronutrient Intervention Programs on Adequacy of Folate and Vitamin B-12 Intake in a National Sample of Women and Young Children in Cameroon."** Hanqi Luo, University of California, Davis
27. **"Consumption of Novel Thiamin-Fortified Fish Sauce Improves the Thiamin Status of Rural Cambodian Women of Childbearing Age and Their Children <5 Years."** Kyly Whitfield, University of British Columbia
28. **"Early Childhood Predictors of Lifecourse BMI Latent Class Trajectories in a Guatemalan Cohort."** Nicole Ford, Emory University
29. **"Oregano Essential Oil and Carvacrol reduce Cryptosporidium parvum infectivity of HCT-8 Cells."** SHASHANK GAUR, University of Illinois, Urbana-Champaign
30. **"Access and Adoption of Nutrition Specific and Nutrition Sensitive Messages in Ethiopia: A Qualitative Gendered Comparison."** Marion Min-Barron, Friedman School of Nutrition Science and Policy
31. **"Determinants of Developmental Milestones in Infants and Young Children in Bihar, India."** Leila Larson, Emory University
32. **"Non-Responsive Feeding Behaviors are Negatively Associated with Growth and Dietary Diversity at 24 months in Rural Bangladesh."** Zaynah Chowdhury, Johns Hopkins Bloomberg School of Public Health
33. **"Large-scale Television Campaign Associated with Higher Prevalence of Exclusive Breastfeeding in Vietnam."** Tuan Nguyen, FHI 360

34. WITHDRAWN FROM COMPETITION

***35. "Social Support Enhances Adherence to Antenatal Calcium and Iron-Folic Acid Supplements: Acceptability and Impact of Adherence Partners."** Stephanie Martin, Cornell University (presenter will be available from 5:00 pm – 6:00 pm)

Maternal, Perinatal and Pediatric RIS

***36. "Perceived Breastmilk Insufficiency and HIV are Associated with Exclusive Breastfeeding at 1 and 3 Months among Mothers in Northern Uganda."** Stephanie Martin, Cornell University (presenter will be available from 6:00 pm – 7:00 pm)

37. "Women with a Common Genetic Variant in ZnT2 (T²⁸⁸S) Have Altered Breast Milk Composition: Implications for Suboptimal Lactation." Sooyeon Lee, Penn State Hershey College of Medicine

38. "Impact of maternal infection and breast inflammation on infant growth in Guatemala." Hilary Wren, McGill University

39. "Eating, Feeling, and Feeding: Does Maternal Binge Eating Predict Use of Child Feeding Practices through Emotional Responsiveness?" Jaclyn Saltzman, University of Illinois

40. "Erythrocyte Omega-3 Long Chain Polyunsaturated Fatty Acids Are Associated with Lumbar Spine but Not Whole Body Bone Mineral Density in Healthy Children." Colleen Parks, McGill University

41. "Lean Mass Accretion Associates With Vitamin D Intake: A 6 Month Randomized Controlled Trial in 2-8 y Olds Using Fortified Foods." Neil Brett, McGill University

42. "Role of Human Milk Oligosaccharides in Feto-placental Endothelial Function in Gestational Diabetes Mellitus." Evelyn Jantscher-Krenn, Medical University of Graz

***43. "Mammary Gland Structure and Functional Changes in Mouse Model of Chronic Gestational Alcohol Exposure."** Robyn Amos-Kroohs, University of Wisconsin-Madison (presenter will be available from 5:00 pm – 6:00 pm)

44. "INSIGHT Study Parenting Intervention to Prevent Childhood Obesity Improves Patterns of Dietary Exposures in Infants." Emily Hohman, Pennsylvania State University

45. "Association between Breastfeeding, Maternal Weight Loss and Body Composition at 3 Months Postpartum." Sarah Elliott, University of Alberta

46. "Calcium Absorption Among Racially Diverse Pregnant Women." Mary Lesser, Children's Hospital Oakland Research Institute

47. "Current Methods of Thickening Feeds for Preterm Infants with Gastroesophageal Reflux Disease is Highly Variable." Jenny Koo, UC San Diego/Rady Children's Hospital of San Diego

Community and Public Health Nutrition RIS

48. "Food Label Use Improves Dietary Quality and Mediates Improved Glycemic Control in Latinos with Type 2 Diabetes: The DIALBEST trial." Grace Kollannoor Samuel, Yale School of Public Health

49. "HomeStyles: Recruitment Strategies for a Childhood Obesity Prevention Randomized Controlled Trial." Jennifer Martin-Biggers, Rutgers University

50. "The Impact of Nutrition Label Usage on Food Selection and Consumption in a University Dining Setting." Mary Christoph, University of Illinois at Urbana-Champaign

51. **"Women's Empowerment and Food Security Status: A Global Comparative Study of Women Living in Rural and Urban Areas."** Kate Sinclair, McGill University
52. **"Ethnic Differences in Cumulative Exposure to Food Insecurity and Risk of Childhood Asthma."** Lauren Mangini, The University of Texas at Austin
53. **"Strong Interpersonal Relationships Buffer the Impact of Chaos on Quality of Family Meal Interactions in Food-insecure Households."** Tiara Rosemond, University of South Carolina
54. **"Marginal Food Insecurity is Associated with Increased Sodium and Decreased Fruit Consumption in Mothers and Toddlers from Low-income Households."** Marie Spiker, Johns Hopkins Bloomberg School of Public Health
55. **"Food Security: Motivations to Volunteer in Food Rescue Nutrition."** Tamara Mousa, The University of Texas at Austin
56. **"Household Food Insecurity Access Scale (HFIAS) and Household Food Insecurity Access Prevalence (HFIAP) as Predictor of Stunted Child and Overweight/Obese Mother (SCOWT) in Urban Indonesia."** Trias Mahmudiono, Kansas State University
57. **"The Usual Nutrient Intakes of US Children and Adolescents by Milk Drinking Behavior."** Yanling Zhao, Purdue University
58. **"Associations between Dysfunctional Eating Behaviors and Cardiovascular Risk among Latinos."** Andrea Lopez-Cepero, University of Massachusetts Medical School
59. **"Usual Dietary Intake among Children 2-5 Years in a Community at High Risk for Obesity: Comparison to Age-Matched NHANES Data, 2009-2012."** Brittany Markides, Texas State University
60. **"Acculturation, Diet and Psychological Health of Asian International Students at the University of Delaware."** Heng Jiang, Purdue University
61. **"Nutrient Intake among Overweight/Obese Hispanic Women Based on Type 2 Diabetes Diagnosis Status."** Mayra Arias-Gastelum, Arizona State University
62. **"Promotion of Drinking Water among Latino Immigrant Youth."** Nicole Barrett, George Washington University, Milken Institute School of Public Health
63. **"The Relationship between Weight Loss Advice from Friends on Self-Perception of Weight and Eating Habits."** Tristan Thibodeau, Arizona State University
64. **"Availability and Price of Fruits and Vegetables at Food Retailers in Western Massachusetts Counties."** Qianzhi Jiang, UMass Amherst
65. **"Comparing the Food Environment of Native American Tribal Areas to that of Non-Tribal Areas in California."** Ye Shen, Johns Hopkins Bloomberg School of Public Health
66. **"Impact of Folic-acid Intervention and MTHFR677T Gene Polymorphism on All-cause Mortality Associated with Elevated Serum Homocysteine Levels in Chinese Adults with Hypertension."** Benjamin Xu, River Hill High School
67. **"Longitudinal Quality of Life Improvement after a Family Based Lifestyle Intervention in Youth with Obesity."** Steven Engebretsen, Pacific Northwest University of Health Sciences (PNWU)

68. "Understanding Acceptance, Compliance, and Utilization of Micronutrient Powder (MNP) in northern Nigeria - Informing Implementation through Formative Research." Stephen Kodish, Johns Hopkins Bloomberg School of Public Health

69. "High Household Food Insecurity Impacts Dietary Patterns in Rural and Urban American Indian Families with Young Children." Emily Tomayko, University of Wisconsin

70. "Are Monthly Food Insecurity Assessments Necessary? A Longitudinal Analysis in Rural Zambia." Muzi Na, Johns Hopkins Bloomberg School of Public Health

***71. "What do Parents and Children Talk About while Grocery Shopping? A Content Analysis of Shopping Trips."** Eric Calloway, Gretchen Swanson Center for Nutrition (presenter will be available from 5:00 pm – 6:00 pm)

+72. "Differential Associations of Food Insecurity Risk on Dietary Intake-Frequency Among Parents and their Adolescent Children." Eric Calloway, Gretchen Swanson Center for Nutrition (presenter will be available from 6:00 pm – 7:00 pm)

73. "E-MECHANIC Exercise Interventions Eliminate the Unexpected Association between Weight Gain and a Healthy Food Environment." Candice Myers, Pennington Biomedical Research Center

74. "A More Efficient Method of Assessing Corner Store Healthfulness." Robin DeWeese, Arizona State University

75. "Food Insecurity is Associated with Depression and Stress Among a Cohort of Pregnant Kenyan Women of Mixed HIV Status." Irene Tsai, Cornell University

76. "Perceived Benefits of Livestock Ownership among Female Smallholder Farmers of Mixed HIV Status in Nyanza Province, Kenya." Abena Maranga, Cornell University

77. "High Overweight/Obesity Risk among Children Enrolled in Michigan Migrant and Seasonal Head Start Programs, 2012." Crystal Nance-Panek, Michigan State University

78. "It's Not How Much You Spend, It's Where You Spend It: How Consumer Behavior Predicts Dietary Energy Density." Amanda Massedeg, Fairfield University

79. "Physical Activity and Inactivity and its Association with Overweight and Obesity on Children and Adolescents between 10 to 14 Years Old." Itzayana Pantoja, Universidad Nacional Autónoma de México

Nutrition Education and Behavioral Science RIS

80. "Culinary Skills Intervention: Immediate Impacts on Knowledge, Attitudes and Self-Efficacy in Adolescent Youth." Amanda Oakley, University of Illinois, Urbana-Champaign

***81. "Peer-education About Weight Steadiness (PAWS Club): Pilot Test of Family Menu Planning Lesson for Parents and their Young Adolescents."** Cassandra Nikolaus, University of Illinois at Urbana-Champaign (presenter will be available from 5:00 pm – 6:00 pm)

+82. "Parent and Adolescent Child Perceptions of a Grocery Store Tour: Comparison of Adult- versus Teen-Led Education." Cassandra Nikolaus, University of Illinois at Urbana-Champaign (presenter will be available from 6:00 pm – 7:00 pm)

83. "Nudges: Fun, Motivational Messages to Encourage and Reassure Parents in the HomeStyles Randomized Controlled Trial." Colleen Delaney, Rutgers University

84. **"Nutrition Recommendations Critical to Teach Low-Income Adults in EFNEP: U.S. Dietary Guidelines Expert Panel Opinion."** Erin Murray, Colorado State University
85. **"Using Skin Carotenoids to Assess Potential Dietary Changes After One Academic Year in the Shaping Healthy Choices Program."** Lori Nguyen, University of California, Davis
86. **"Perceptions, Beliefs, and Implementation of the Dietary Guidelines for Americans Consumer Messages by Low-Income Parents."** Molika Chea, University of Connecticut
87. **"Validation of Two Brief Questionnaires Designed to Assess Fruit and Vegetable Intake among 3rd - 5th Grade SNAP-Ed Participants."** Youjie Zhang, University of Minnesota-Twin Cities
88. **"Evaluating the Young Adult Motivation to Prepare Healthy Foods Questionnaire using Exploratory Factor Analysis."** Ariana Bailey, Louisiana State University
89. **"Effects of an Educational Group Intervention for Patients with Type 2 Diabetes on Lifestyle and Glycemic Control."** Lucia Sterpone, Universidad Iberoamericana
90. **"Adolescents with At-Risk Eating and Lifestyle Behaviors are Impacted by After-school Schedules across the Clinical Weight Spectrum."** Leanna Perez, The Ohio State University
91. **"Fluid Intake in Male Brazilian Teens according to Recommendations for Age, BMI and Physical Activity Patterns ‐ The Fitfood Study."** Rachel Machado, PENSI Institute – Sabara Children's Hospital/ José Luiz Egydio Setubal Foundation
92. **"Participants in the Shaping Healthy Choices Program Increased the Intensity of Physical Activity."** Deborah Fetter, University of California, Davis
93. **"Observed Differences in Child Picky Eating Behaviors Between the Child's Home and Center- or Home-based Childcare."** Virginia Luchini, University of Illinois at Urbana-Champaign
94. **"The Effects of Nutrition Education on Fruit and Vegetable Consumption in Food Pantry Clients."** Sarah St. Cyr, University of Cincinnati
95. **"Teacher Characteristics Influence Implementation of a Multi-Component, School-Based Nutrition Intervention in Fourth-Grade Classrooms."** Jessica Linnell, University of California, Davis
96. **"Comparing Dietary Strategies to Increase Vegetable Consumption: Encouraging Tomato Products vs Raw Vegetable Consumption."** Sajida Rahman, Illinois Institute of Technology

Medical Nutrition Council

100. **"Prospective Association of Fasting Blood Glucose Levels with Risk of Incident Stroke among Hypertensive Patients in China: Impact of Folic-acid Intervention."** Richard Xu, River Hill High School
101. **"Impact of Almond Consumption on the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women."** Andrew Taylor, University of Illinois at Urbana-Champaign
102. **"Pectin Feeding for 16 Weeks Improves Learning and Memory in Young C57Bl/6 J Mice: A Relationship to the Gut Microbiota?"** Lucy Mailing, University of Illinois at Urbana-Champaign
103. **"Modulation of Colonic Microbiota Populations by Polyphenolic Containing Sorghum Brans May Protect Against Development of Metabolic Disease."** Shannon Lloyd, Texas A&M University
104. **"Gastrointestinal Microbial Changes Following Whole Grain Barley and Oat Consumption in Healthy Men and Women."** Sharon Thompson, University of Illinois at Urbana-Champaign

- 105. "Prebiotic Diet Modulates Gut Microbial Composition and Metabolic Functions in Metabolic Syndrome Patients: Follow-Up of a Double Blind, Controlled, Crossover Intervention."** Bijaya Upadhyaya, South Dakota State University
- 106. "Three Doses of Vitamin D on Insulin Resistance and Osteocalcin Measures in Older Women."** L. Claudia Pop, Rutgers University
- 107. "Differences in the Infant Gut Microbiota Related to the Fatty Acid Composition of Human Milk: Results from the GEHM Cohort."** Diana Taft, Cincinnati Children's Hospital and Medical Center
- 108. "Formula Milk Alters Microbial Diversity in Porcine Colon and Impacts Immune Response."** Manish Saraf, Arkansas Children's Nutrition Center and the University of Arkansas for Medical Sciences
- 109. "Influence of Daily and Per Meal Protein Intakes on Function and Body Composition in Frail, Obese Older Adults Undergoing Weight Reduction."** Kathryn Porter Starr, Duke University Medical Center

Diet and Cancer RIS

- 110. "Inactivation of Pyruvate Dehydrogenase Complex Mediates The Selective Effects of Butyrate on Colorectal Cancer Cells."** Anna Han, University of Tennessee
- 111. "Microenvironment Folate Stress Promotes Warburg-metabolic Switched-cancer Stem Cell Signaling Network and Stemness Features to Mediate Invasion and Metastasis of Lung Cancers."** Wan-Jing Chen, Fu-Jen Catholic University
- 112. "Cranberry Extract Initiates Intrinsic Apoptosis in HL-60 cells by Increasing Bad Activity through the Inhibition of Akt Phosphorylation."** Rasha Mansouri, University of Florida
- 113. "Effect of 1,25(OH)₂D in Regulating Glutamic-Oxaloacetic Transaminase 1 (GOT1) and Redox Balance During Breast Cancer Progression."** Xuanzhu Zhou, Purdue University
- 114. "Dried Plums Modify Fecal Short Chain Fatty Acid Concentrations and Gene Expression in a Rat Model of Colon Carcinogenesis."** Derek Seidel, Texas A&M University
- 115. "The Effect of Oil Palm Phenolics (OPP) on Pancreatic Ductal Adenocarcinoma (PDAC) in Transgenic Mouse Model."** Nurul Razalli, Wayne State University
- 116. "Dietary Tomato Reduces Castration-Resistant Prostate Cancer Burden in the TRAMP Model."** Joshua Smith, University of Illinois at Urbana-Champaign
- 117. "Apiaceous and Cruciferous Vegetables Fed in the Post-initiation Stage Reduce Colonic Precancerous Lesions and the Cancer Stem Cell Marker DCLK1, and Alter the miRNA Expression Profile in 1,2-Dimethylhydrazine-treated Rats."** Sangyub Kim, University of Minnesota
- [†]118. "Consumption of Total and Individual Sugars, Sugary Foods and Sugary Beverages in Relation to Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991-2013)."** Nour Makarem, New York University (presenter will be available from 6:00 pm – 7:00 pm)
- 119. "Effect of Short-chain Fatty Acid Acetate on Colon Cancer."** Meliz Sahuri Arisoylu, University of Westminster
- 120. "Dietary Supplementation with Tart Cherries for Prevention of Inflammation-associated Colorectal Cancer in Mice."** Ashli Hunter, Utah State University
- 121. "Excess Dietary Iron Modulates Intestinal Tumorigenesis."** Logan Glosser, Case Western Reserve University

Aging and Chronic Disease RIS

- 122. "Effect of Vitamin D3 Supplementation on Telomerase Activity in Hispanics with Type 2 Diabetes."** Gustavo Zarini, Florida International University
- 123. "Dietary Protein and Functional Decline in Middle-aged and Older Adults in the Framingham Offspring Study."** Jabed Mustafa, Boston University School of Medicine
- 124. "Black Berry Polyphenol Reduce Nox1 Function to Inhibit Senescence in Vascular Smooth Muscle Cells."** Jingwen Huang, Florida State University
- 125. "Coconut Oil Supplementation: an innovative strategy for cardiovascular disease risk reduction."** Claudia Thompson-Felty, Arizona State University
- 126. "Adherence to a Mediterranean Diet, and Effects on Cardiometabolic Health in Older Australians; Results from the Mediterranean Diet for Cognition and Cardiovascular Health in the Elderly (MedLey) Trial."** Courtney Davis, University of South Australia
- 127. "Fuzhuan Tea Reverses Western Diet-induced Arterial Stiffness in Mice."** Dustin Lee, Colorado State University
- 128. "Consuming < or > 0.5 Servings of Red Meat per Day Does Not Have a Negative Impact on Cardiovascular Disease Risk Factors; A Systematic Review and Meta-analysis of Randomized Controlled Trials."** Lauren O'Connor, Purdue University
- *129. "The Fat Content of Milk Does Not Affect the Plasma Glucose and Insulin Responses to a Meal."** Jia Li, Purdue University (presenter will be available from 5:00 pm – 6:00 pm)
- 130. "Differential Relationship Between Thigh and Calf Intramuscular Adipose Tissue Depots and Indices of Metabolic Health in Older Overweight and Obese Adults."** Robert Bergia, Purdue University
- 131. "Effects of Polyphenolic-rich Dark Chocolate and Almonds on Cardiovascular Risk Factors in Overweight and Obese Adults."** Yujin Lee, Pennsylvania State University
- 132. WITHDRAWN FROM COMPETITION**
- 133. "The Modulatory Effect of Common Dietary Fatty Acids on IPEC-J2 Transport of Lipopolysaccharide and Monolayer Barrier Integrity *in vitro*."** Joshua Lyte, Iowa State University
- 134. "Muscadine Grape (*Vitis rotundifolia*) and Wine Phytochemicals Mitigates Dextran Sulfate Sodium- induced Colitis in Mice."** Ruiqi Li, Univ of Florida
- 135. "Blood Cholesterol in Late-life and Cognitive Decline: A Longitudinal Study of the Chinese Elderly."** Chaoran Ma, The Pennsylvania State University
- *136. "From Visceral Fat to Brain Function: The Selectively Negative Influence of Central Adiposity on Neuroelectric Indices in Preadolescent Children."** Lauren Raine, University of Illinois Urbana Champaign (presenter will be available from 5:00 pm – 6:00 pm)
- +137. "Carbohydrates Differentially Influence Children's Efficiency During Cognitive Control Tasks."** Lauren Raine, University of Illinois Urbana Champaign (presenter will be available from 6:00 pm – 7:00 pm)
- 138. "Gray Matter Thickness of Inferior Frontal Cortex Mediates the Relationship between Phosphatidylcholine and Executive Functions in Healthy, Older Adults."** Marta Zamroziewicz, University of Illinois Urbana-Champaign

139. **"DHA status is Related to Prefrontal Cortex-mediated Impulse Control in Adolescents."** Valerie Darcey, Georgetown University
140. **"Metabolism of Uniformly Labelled 13C-Eicosapentaenoic acid and 13C-Arachidonic Acid During Healthy Aging."** Pauline Léveillé, University of Sherbrooke
141. **"Choline and its Metabolites are Differentially Associated with Cardiometabolic Risk and Cardio- and Cerebro-vascular Disease."** Annie Roe, University of Idaho
142. **"Incorporation of Almonds in a Cholesterol-lowering Diet Improves non-ABCA1-mediated Cholesterol Efflux in Normal Weight Adults."** Claire Berryman, Penn State University
143. **"Relation of Total Sugars and Fructose-Containing Sugars with Risk of Cardiovascular Disease: A Systematic Review and Meta-Analysis of Prospective Cohort Studies."** Tauseef Khan, St. Michael's Hospital
144. **"EGCG Decreases Mortality in a Dose-Dependent Fashion but Does Not Improve Cognition in Aged Mice."** Brandt Pence, University of Illinois Urbana-Champaign
145. **"Choline Supplementation Improves Behavioral Aspects of Mice Exposed to Ethanol *in Utero*."** Eneda Pjetri, Nutrition Research Institute, UNC Chapel Hill

Energy and Macronutrient Metabolism RIS

146. **"Effect of Stimulation to the Oral Cavity on Diet-Induced Thermogenesis and the Substrate Oxidation of Macronutrients."** Yuka Hamada, Tokyo Institute of Technology
147. **"Protection Against Insulin Resistance in Obesity is Accompanied by Low Rates of Systemic Fatty Acid Mobilization and Attenuated Markers of Fibrosis and Inflammation in Adipose Tissue."** Douglas Van Pelt, University of Michigan
148. **"Intake of Genistein and Daidzein Ameliorates Adiposity and Metabolic Syndrome in High Fat Fed C57BL/6J Mice."** Ting Luo, Oregon State University
149. **"Leucine in the Presence of Inflammation Alters BCAA Metabolism in Human Myotubes."** Emily Riddle, Cornell University
150. **"Effects of Hormone Therapy on the Association between Erythrocyte Levels of N-3 Polyunsaturated Fatty Acids and Depression in Postmenopausal Women."** Youri Jin, Hanyang University
151. **"Adipocyte-Specific Ablation of Long-Chain Acyl-CoA Synthetase-4 (ACSL4) in Mice Protects Against Diet-Induced Obesity-Associated Decreases in White Adipocyte Oxygen Consumption and Whole Body Energy Expenditure."** Elizabeth Killion, USDA Human Nutrition Research Center on Aging, Tufts University
152. **"Dietary α -Linolenic Acid (ALA) Rich Flax Oil Elevates Renal and Hepatic Docsohexaenoic Acid (DHA) Derived Bioactive Lipids."** Jessay Devassy, University of Manitoba
153. **"Lipid Emulsions, Rich in n-3 or n-9 Fatty Acids, Reverse the Progression of Parenteral Nutrition-Induced Hepatic Steatosis in Mice."** KUANG-HSUN HUANG, The Pennsylvania State University
154. **"Protein and Glutathione Kinetics in Protein Deficient Piglets with Colitis in Response to Nutritional Interventions: Protein Repletion or N-Acetylcysteine Supplementation."** Mengyin Hong, McGill University

155. "Dairy Milk Components Differentially Affect Gastrointestinal Health Markers in C57Bl/6 Mice."

Tara Price, Texas A&M University

156. "The Effect of Fructose-Containing Sugars on Glycemic Control: A Systematic Review and Meta-Analysis of Controlled Trials." Vivian Choo, University of Toronto

157. "Ablation of BCO2 Leads to Increased Susceptibility to High Fat Diet-induced Metabolic Disorders in Mice." Lei Wu, Oklahoma State University

158. "Altered Fatty Acid Metabolism Remodels the Hypothalamic Metabolome to Stimulate Feeding Behavior in BCO2 Knockout Mice." Xin Guo, Oklahoma State University

+159. "Postprandial Glycemic and Insulinemic Responses to Common Breakfast Beverages Consumed With a Standard Meal in Overweight and Obese Individuals." Jia Li, Purdue University (presenter will be available from 6:00 pm – 7:00 pm)

160. "Effects of Dietary Protein and Fiber at Breakfast on Postprandial Appetite, Neural Responses to Visual Food Stimuli, and *ad Libitum* Energy Intake at Lunch in Overweight Adults." R Drew Sayer, Purdue University

161. WITHDRAWN FROM COMPETITION

162. "DHA is More Potent than EPA in Attenuating Cardiometabolic Risk in Men and Women: A Randomized Double-blind, Placebo-controlled Crossover Trial." Janie Allaire, Institut sur la Nutrition et les Aliments Fonctionnels (INAF), Université Laval

163. "Dietary Linoleic Acid (LA) Increases Linoleic and Arachidonic Acid (ARA) Derived Bioactive Lipids, Despite Not Altering Tissue Fatty Acid Levels." Shan Leng, University of Manitoba

164. "Effect of Plant Sources of Omega-3 PUFA on Mood Status in Healthy Subjects: A Cross Over Feeding Trial." Wajeeha Young, Loma Linda University

165. "Modulation of Omega-3 Fatty Acid Profile in the Duck Liver by Various Dietary Fats." Xi Chen, Kansas State University

166. "The Relationship between Dietary Protein Intake Distribution and Lean Mass Loss in Free-living Older Adults: Effect of Sex and Total Protein Intake." Samaneh Farsijani, McGill University

167. "The Effect of Dietary Protein on Bone during Weight Loss: A Meta-Analysis and Systematic Review." Christian Wright, Purdue University

168. "Higher Protein Intake Improves Sleep and Blood Pressure, and Influences the Relation between Changes in Blood Pressure and Sleep During Energy Restriction in Middle-aged Overweight and Obese Adults." Jing Zhou, Purdue University

169. "Impact of Vitamin D Status and High-dose Vitamin D₃ Administration on the Plasma Metabolome in Critically Ill Adults." Kayla Perry-Walker, Medical College of Georgia

170. "Predicting Initial Lipid Release from Masticated Tree Nuts Using Mathematical Modelling." Terri Grassby, King's College London

171. "Genes Associated with Amino Acid Sensing in Human Skeletal Muscle are Altered by Amino Acid Availability and Acute Lysosomal Perturbation." Ted Graber, University of Texas Medical Branch

172. "Citrulline is a More Efficient Supplement than Arginine to Increase Systemic Arginine Availability in Mice." Umang Agarwal, Baylor College of Medicine

173. "Development of Nonalcoholic Fatty Liver in Superoxide Dismutase-1 Knockout Mice Was Associated with Altered Expression of Hepatic Fibroblast Growth Factor-21." Debrup Chakraborty, Cornell University

174. "Use of Plasma Metabolomics at Diagnosis to Identify Metabolic Pathways Associated with Pulmonary Tuberculosis (TB) Clearance: A Pilot Study." Elizabeth Chong, Emory University

175. "Metabolic Control of Cell Death : The Role of Bcl-xL." Han-A Park, Yale

176. "Obesity and Dietary Fat Modulate HDL Function in Adolescents: Results From a Cross-sectional Analysis and a Randomized, Placebo-controlled, Crossover trial." Aoibheann McMorrow, University College Dublin

177. "Assessing the Role of Saturated Fats in Adipose Tissue Inflammation." Maria Morgan-Bathke, Mayo Clinic and Viterbo University

178. "Effects of Exercise, Caloric Restriction and Subsequent Weight Regain Following the Loss of Ovarian Function on Mitochondrial Respiratio." Robera Oljira, University of Colorado

179. "Protein Intake is Associated with Plasma Insulin-like Growth Factor (IGF)1 in Postmenopausal Women but Not in Premenopausal Women." Kristen Drake, University of North Florida

Obesity RIS

180. "Relationship between Human Gut Microbiota and Interleukin 6 Levels in Overweight and Obese Adults." Danielle Cooper, UC Davis

181. "Gut Microbiota Metabolites in Infancy: Associations with Breastfeeding and Childhood Overweight." Sarah Bridgman, University of Alberta

182. "Soy Positively Impacts Cecal Microbiota of Ovariectomized Rats SelectivelyBbred for Low Aerobic Capacity." Tzu-Wen Liu, University of Illinois

183. "Secretory Factors Produced by Stromal Cultures of Human Omental Adipose Tissue Inhibit Adipose Differentiation." R Pickering, Boston University School of Medicine

184. "Weight Gain with Metabolic Dysfunction is Associated with Obesity-Related Cancer." Susan Chadid, Boston University School of Medicine

185. "Berberine Ameliorates Hepatic Steatosis and Suppresses Liver and Adipose Tissue Inflammation in Obesity Mice Independent of AMPK." Shih-Lung Woo, Texas A&M University

186. "Differences in Plasma Metabolites in Insulin Resistant and Insulin Sensitive Obese Individuals during a Hyperinsulinemic/Euglycemic Clamp." James Casey, University of Michigan

187. "Effects of an Almond-Enriched Energy Restricted Diet on Body Composition, Visceral Adipose Tissue and Blood Pressure in Obese Adults." Jaapna Dhillon, Purdue University

188. "Comparison of MRI and DXA for Measurement of Visceral Adipose Tissue in Adolescent Females." Staci Belcher, University of Georgia

189. "Energy Expenditure in Children with Prader-Willi Syndrome During Walking." Frank Chavoya, California State University, Fullerton

190. "Orbitofrontal Cortex Response to Food Portion Size is Linked with Obesogenic Appetitive Profile in Children." Laural English, The Pennsylvania State University

191. "Does Milk Portion Size or Energy Density Affect Preschool Children's Lunch Intake?"

Samantha Kling, The Pennsylvania State University

192. "Therapeutic Potential of AICAR in Attenuating Obesity-Induced Metabolic, Liver and Kidney Disease." Emma Borgeson, University of Gothenburg

193. "Network Social Support for Healthy and Obesogenic Behavior Influences Children's Dietary Intake and Weight Change during Family-Based Behavioral Obesity Treatment." Katherine Balantekin, Washington University School of Medicine

Nutritional Immunology and Inflammation RIS

200. "Vitamin A Supplementation and Lipopolysaccharide-Induced Inflammation in the Neonate - A Pilot Study in C57BL/6 Mice." Cheng-Hsin Wei, The Pennsylvania State University

201. "Monounsaturated Fatty Acids Impede Inflammation Partially Through Activation of AMPK."

Claire Lyons, Conway Institute of Biomolecular and Biomedical Research

202. "Effect of a Diet Rich in Whole Grains on Gut Microbiota, and Immune and Inflammatory Markers of Healthy Adults." Sally Vanegas, Tufts University

203. "The Impact of Environmental Enteropathy and Systemic Inflammation on Infant Growth Failure." Caitlin Naylor, Medical Research Council Unit, The Gambia

204. "Feeding a Maternal Diet Enriched in Docosahexaenoic Acid to Lactating Dams Improves the Ex Vivo Tolerance Response to Egg Protein in Suckled Pups." Caroline Richard, University of Alberta

205. "Effects of a Randomized, Controlled Trial of Daily Vitamin D3 Supplementation During Pregnancy on Regulatory Immunity and Inflammation." Melissa Zerofsky, USDA-Western Human Nutrition Research Center

206. "Dietary Supplementation with Montmorency Tart Cherry Prevents the Alterations in Gut Mucosal Immunity that occurs with Ovarian Hormone Deficiency." Erica Crockett, Oklahoma State University

Nutrient-Gene Interactions RIS

207. "Depletion of Dietary microRNAs from Cow's Milk Causes an Increase of Purine Metabolites in Human Body Fluids and Mouse Livers." Ana Aguilar Lozano, University of Nebraska-Lincoln

208. "Gene, Sex and Diet Interact to Control the Tissue Metabolome." Ann Wells, University of Tennessee

209. "MicroRNAs as a Novel Mechanism by which Eicosapentaenoic Acid Mediates Inflammation in Diet-Induced Obesity." Erin Yen, Texas Tech University

210. "A Genome-Wide Association Study of Plasma α_2 -Macroglobulin Concentrations in Young Adults." Joseph Jamnik, University of Toronto

211. "Differential DNA Methylation between Obese and Normal Weight Women in CD4+ and CD8+ T cells, and CD16+ neutrophils." Natalie Hohos, University of Georgia

212. "Effects of Maternal Vitamin D Deficiency on Fetal Epigenetic Reprogramming." Jing Xue, University of North Carolina - Chapel Hill

Experimental Animal Nutrition RIS

- 213. “Consequences of Maternal Iron-Deficiency: Fetal Anemia, and Hypoxia in Select Tissues of the Conceptus.”** Andrew Woodman, University of Alberta
- 214. “Effects of Choline Deficiency on Composition of Sow’s Milk.”** Austin Mudd, University of Illinois
- 215. “Maternal Consumption of a Diet Lacking Omega-3 Fatty Acids During Development Alters Pup Behavior and Brain Metabolism Later in Life.”** Corey Jackson, Texas State University
- 216. “Gene Expression of Vitamin D Regulatory Enzymes in Renal Tissue of Growing Pigs is Modulated by Maternal Dietary Vitamin D Concentrations.”** Laura Amundson, UW-Madison
- 217. “Enriching the Maternal Diet in Long Chain N-3 Polyunsaturated Fatty Acids Alters Lipid Metabolites and Adiposity in Broiler Chicks.”** Ronique Beckford, University of Tennessee
- 218. “Alpha-Melanocyte Stimulating Hormone (α-MSH) Affects Adipose Tissue Physiology in Broiler Chicks.”** Steven Shipp, Virginia Polytechnic Institute and State University
- 219. “Multiple vitamins-, Not Glutamine-supplemented Resuscitation fluid improves Intestinal Integrity and Alters Systemic Inflammatory Mediators in Rats with Trauma-hemorrhagic Shock.”** Yu Hsin Lin, Fu Jen Catholic University
- 220. “Metabolic Phenotype and Increased Adiposity in a Mouse Model of Chronic Gestational Alcohol Exposure.”** Robyn Amos-Kroohs, University of Wisconsin-Madison (presenter will be available from 6:00 pm – 7:00 pm)
- 221. “Activation of Ubiquitin-proteasome system components in Heat-stressed Pig Skeletal Muscle.”** Lidan Zhao, Virginia Tech
- 222. “Time-restricted Feeding of a High-fat Diet Reduces Adiposity and Inflammatory Cytokine Production in Mice.”** Sneha Sundaram, ARS USDA

Nutrition Translation RIS

- 223. “Analysis of Polycyclic Aromatic Hydrocarbons (PAHs) for reduction in Simple-processed Foods According to Manufacturing System.”** Se-Jin Kang, Korea University
- 224. “Development of Novel Hollow Zein Nanoparticles for Delivery of Nutraceuticals.”** Siqi Hu, University of Connecticut
- 225. “Mapping Inflammation and Cancer-modifying Regions in Broccoli Genome.”** Weston Bussler, NC State University
- 226. “Improving the Food Supply by Product Reformulation: Using Nutrient Profiling to Evaluate Foods Consumed in the USA.”** Famke Mölenberg, Wageningen University
- 227. “Adherence to the 2015 Dietary Guidelines for Americans (DGA) and Risk of Healthy and Unhealthy Obesity among Canadian Adults.”** Mahsa Jessri, University of Toronto
- 228. “Are Foods of Higher Nutritional Quality More Expensive Than Their Less Healthy Counterparts? an Analysis of Canadian Packaged Foods.”** Marie-Eve Labonté, University of Toronto

Vitamins and Minerals RIS

- 229. "1,25-Dihydroxyvitamin D Regulates Energy Substrate Metabolism to Reduce Triacylglycerol Accumulation in 3T3-L1 Adipocytes."** Brienna Larrick, Purdue University
- 230. "Effect of Vitamin D Fortified Cheese on Oral Glucose Tolerance in Individuals Exhibiting Marginal Vitamin D Status and an Increased Risk for Developing Type 2 Diabetes: A Double-Blind, Randomized Placebo-Controlled Clinical Trial."** Tracy Moreira-Lucas, University of Toronto
- 231. "Improved Bioavailability of Iron from Amino Acid Chelates in Fully Differentiated Human Intestinal Epithelial (Caco-2) Cells."** Caglar Doguer, University of Florida
- 232. "Zinc-induced Upregulation of Metallothionein (MT)-2A is Predicted by Gene Expression of Zinc Transporters in Healthy Adults."** Anna Chu, University of Otago
- 233. "Zinc and ZIP14 (Slc39a14) are Required for Adaptation to ER stress in Mouse Liver."** Min-Hyun Kim, University of Florida
- 234. "The AHR Pathway And Its Potential Role In The Regulation Of The 15 kDa Selenoprotein."** Sarah Galinn, Towson University
- 235. "Characterization of Cystathionine Beta-Synthase and Cystathionine Gamma-Lyase in the Production of Hydrogen Sulfide Biomarkers, Lanthionine and Homolanthionine, in a HepG2 Cell Culture Model."** Barbara DeRatt, University of Florida
- 236. "Effect of High Folic Acid Diet on Mitochondrial DNA Content in Young Adult and Aged Mice."** Jelena Mustra Rakic, HNRCA and Tufts University
- 237. "Prevalence and Determinants of Suboptimal Vitamin B6 Status in Young Adult Women in Metro Vancouver."** Chia-ling Ho, The University of British Columbia
- 238. "Maternal Choline Supplementation Modulates Maternal and Fetal Choline Metabolism and Downregulates Inflammatory Gene Expression in a Mouse Model of Placental Insufficiency."** Julia King, Cornell University
- 239. "Dietary Glycine Alters One-Carbon Metabolic Kinetics *in Vivo*."** Yu-Hsuan Huang, Department of Life Science, National Chung Hsing University
- 240. "High Iron Diet During Prenatal Alcohol Exposure (PAE) May Normalize Iron Homeostasis in PAE Fetuses."** Adrienne Cheng, University of Wisconsin
- 241. "Lack of Intestinal Divalent Metal-ion Transporter 1 (DMT1) Perturbs Copper Homeostasis in Mice."** Xiaoyu Wang, University of Florida
- 242. "High Dietary Iron Intake Impairs Growth and Causes Copper Deficiency in Sprague-Dawley Rats."** Jung-Heun Ha, University of Florida
- 243. "Iron-dependent Regulation of Cytochrome b5 in Neuro 2A Cells."** Joanna Fiddler, Oklahoma State University
- 244. "Iron Status and Regulation in High-Risk Pregnant African American Women."** Lauren Welke, University of Illinois at Chicago
- 245. "Lower hepatic iron storage associated with obesity in mice can be restored by decreasing body fat mass through feeding a low fat diet."** Hak Chung, Seoul National University

246. “Novel Role of Glutathione Peroxidase-1 in Liver and Muscle Protein Metabolism of Mice.” Ling Tao, Cornell University

247. “Hepcidin Attenuates Zinc Efflux in Caco-2 Cells.” Stephen Hennigar, U.S. Army Research Institute of Environmental Medicine

248. “Vitamin B₁₂ and Placental Expression of Transcobalamin in Pregnant Adolescents.” Alexander Layden, Cornell University

Dietary Bioactive Components RIS

249. “Intake of 2 Eggs for Breakfast Increases Plasma Lutein Concentration in Association with Increased Large HDL and Zeta Potential as Compared to an Oatmeal Breakfast.” Amanda Missimer, University of Connecticut

250. “Acute Bioavailability of (Poly)phenolic Content of Different Varieties of Vaccinium spp. in Ovariectomized Rats.” Maria Maiz, Purdue University

+251. “Validating Polyphenol Intake Estimates From a Food-Frequency Questionnaire Using Repeated 24-Hour Dietary Recalls and a Unique Method of Triads Approach With Two Biomarkers.” Nasira Burkholder-Cooley, Loma Linda University (presenter will be available from 6:00 pm – 7:00 pm)

252. “Efficacy of Chewing Gum as a Delivery System for Water and Fat Soluble Vitamins.” Weslie Khoo, The Pennsylvania State University

253. “Effect of Frequent Broccoli Intake on Rat Gut Microbiota Metabolism and Composition.” Yanling Wang, U of Illinois

254. “Unfermented and Fermented Cocoa Extracts as Inhibitors of Pancreatic α -Amylase, α -glucosidase, and Pancreatic Lipase.” Caroline Ryan, Virginia Tech

255. “The Heat Shock Protein 70 is a Novel Target for Nobiletin in Human Colon Cancer Cells.” Zili Gao, University of Massachusetts Amherst

256. “Protective effect of Betaine Against Liver Steatosis Involves Depletion of Homocysteine via Upregulation of Betaine-homocysteine Methyltransferase (BHMT).” Chul Ahn, Seoul National University

257. “Genetic Background Determines Anthocyanin Effects on Glutathione Redox Balance.” Katie Norris, The University of Georgia

258. “Modulation of Cerebral Activity Induced by α -casozepine, a Benzodiazepine-like Peptide Derived from Bovine Casein.” Simon Benoit, UMR Nutrition Physiology and Ingestive Behavior (PNCA), AgroParisTech, INRA, University Paris-Saclay

259. “Korean Red Ginseng Extract Inhibits p53-dependent Apoptosis *Helicobacter pylori*-infected Gastric Epithelial Cells.” Hyun Ju Kang, Yonsei University

260. “Lycopene Inhibits Amyloid- β_{25-35} -Induced Apoptosis by Decreasing Intracellular and Mitochondrial ROS Levels in Human Neuronal SH-SY5Y Cells.” SINWOO HWANG, Yonsei University

261. “The Effect of Oil Palm Phenolics (OPP) on Urinary Metabolomic Profile in Atherogenic Diet Induced Rat Model of Alzheimer’s Disease (AD).” Yan Wu, Wayne State University

- 262. "Xylobiose Ameliorates Hyperglycemia and Dyslipidemia via Regulating Hepatic Lipogenic Genes in db/db Mice."** Eunju Kim, Department of Nutritional Science and Food Management, Ewha Womans University
- 263. "Cocoa Increases Postprandial GLP-1 Response in Adults with Impaired Glucose Tolerance."** Karen Strat, Virginia Tech
- 264. "Long-Term Feeding of a Soy-Protein-Based Diet Improves Trabecular and Cortical Bone Outcomes in Low-Fit, Intact and Ovariectomized Female Rats."** Matthew Richard, University of Missouri-Columbia
- 265. "Collagen Peptides Derived from Alaska Pollock Skin Protect against TNF α -induced Dysfunction of Tight Junctions in Caco-2 cells."** Qianru Chen, Ocean University of China
- 266. "Cyanidin, a Natural Anti-Glycation Agent, Inhibits Methylglyoxal- and Glucose-Mediated Protein Glycation *in vitro*."** Tanyawan Suantawee, Chulalongkorn University
- 267. "Blueberry Supplementation Alters Biomarkers of Oxidative Stress in High-fat Fed Rats."** Katherine Keirse, The University of Georgia
- 268. "Green Tea Extract Lowers NF κ B-mediated Inflammation During Nonalcoholic Steatohepatitis in Mice Fed a High-fat Diet Consistent with Reduced Toll-like Receptor-4 Signaling."** Jinhui Li, The Ohio State University
- 269. "The Effects of Dietary Cocoa Powder on Inflammatory Markers and Catalase Activity in Participants with Type 2 Diabetes Following a Fast Food Style Meal Challenge."** Megan Foster, Oklahoma State University
- 270. "Tannase-treated grape pomace attenuates IL-1 β -induced inflammation in Caco-2 cells."** Isabela Martin, Tufts University
- 271. "Anti-Proliferative and Anti-Inflammatory Action of Blueberry Polyphenols in HIG-82 Rabbit Synoviocytes."** Sanique South, Texas Woman's University
- 272. "Delta and Gamma Tocotrienol Attenuate NLRP3 Inflammasome Activation in J774 Macrophages via NF κ B-dependent Priming Inhibition."** Teresa Buckner, University of Nebraska-Lincoln
- 273. "Anti-inflammatory and Anti-cancer Effects of the Colonic Metabolites of Polymethoxyflavone."** Minqi Wang, University of Massachusetts Amherst
- 274. "Neurorescue Effect of EGCG in an Animal Model of Parkinson's Disease."** Qi Xu, Iowa State University
- 275. "Gamma Tocotrienol Suppresses NLRP3 Inflammasome by Dual Mechanism of A20-mediated Priming Inhibition and AMPK/autophagy Axis Activation."** Yongeun Kim, University of Nebraska-Lincoln
- 276. "Protective Effect of *Pteropodium scoparium* and *Oxalis corniculata* against Streptozotocin-Induced Diabetes in Mice."** Iman Al-Qalhati, Sultan Qaboos University
- 277. "The Impact of Limonin on Gut Microbiota."** Min Gu, University of Massachusetts Amherst
- 278. "Nutritional Polyphenol Metabolites' Kinetics in Plasma, Urine, and Saliva Following Consumption by Normal, Healthy, Subjects."** Ying Choy, University of California at Davis
- 279. "Effects of Acute n-3 Fatty Acid Administration on Cardiac Lipid Metabolism and Ca²⁺ Homeostasis during Ischemia-Reperfusion."** Hylde Zirpoli, Columbia University Medical Center

- 280. "Inhibition of High Glucose-induced Diabetic Retinal Angiogenesis by Dietary Compound Chrysin."** MinGyeong Kang, Hallym University
- 281. "Avenanthramides 2c, 2f and 2p Regulate Osteoblast Gene Expression and Survival *in Vitro*."** Gretel Pellegrini, Indiana University School of Medicine
- 282. "Beneficial Cardiovascular Effects of Muscadine Grape Extract in Normotensive Female Rats."** A'ja Duncan, Wake Forest School of Medicine
- 283. "Soy Proteins Deficient in the α' Subunit of β -Conglycinin and Various Glycinin Subunits Maintain the Ability to Modulate Hepatic Lipid and Glucose Metabolism."** Cynthia Chatterjee, Health Canada
- 284. "Green Tea Extract and Catechol-O-methyltransferase (COMT) Genotype Modify Fasting Serum Insulin and Plasma Adiponectin Concentrations in a Randomized Controlled Trial of Overweight and Obese Postmenopausal Women."** Allison Dostal, University of Minnesota
- 285. "Effects of Almonds on Cardiovascular Risk Factors in Overweight and Obese Koreans."** Hana Jung, Korea National Open University
- 286. "Effect of 3 Probiotic Strains on Bile Acids and Glucose Metabolism in Healthy Adults: a Randomized, Double-Blind Placebo-Controlled Crossover Study."** Tyler Culpepper, University of Florida
- 287. "Probiotic Lacidofil \rightarrow STRONG Mitigates the Antibiotic-Induced Alteration of the Fecal microRNA Signature in Healthy Humans."** Amel Taibi, University of Toronto
- 288. "Dietary Small RNA Modulation of Gut Microbiota Composition: *in-silico* and *in-vitro* Analyses."** Haiqiu Huang, USDA ARS BHNRC
- 289. "Obesity-Breast Cancer Interactions: Effects of Adipocytes on Breast Cancer Cells and Preventive Effects of Omega 3 Fatty Acids."** Sara Alhaj, Texas Tech University
- 290. "Ellagic Acid and Quercetin are High-Affinity Ligands of Human Peroxisome Proliferator-Activated Receptor Alpha in an In-Vitro Competitive Binding Assay."** Geoff Sasaki, Oregon State University
- 291. "Inulin Effect on Weight Loss and Associated Parameters with The Development of Cardiovascular Disease in Obese Adults."** Francisco Castro-Sanchez, UNIVERSIDAD AUTONOMA DE SINALOA

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+ Presenter will be able from 6:00 pm – 7:00 pm

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Group	Lead Judge	Final Award Announcement
AGING	Carmen Sceppa	Aging and Chronic Disease RIS Business Meeting Monday, April 4, 7:00 - 8:00 AM, SDCC – 28DE
COMMUNITY PUBLIC HEALTH NUTRITION	Sarah Colby	Joint Event: Community and Public Health and, Nutrition Education and Behavioral Science RIS Business Meeting and Speed Networking Session Monday, April 4, 3:00 – 5:00 PM, SDCC – 28DE
DIET AND CANCER	Eunyoung Cho	Diet and Cancer RIS Business Meeting and Hot Topic Sunday, April 3, 1:00 - 2:30 PM, SDCC – 32AB
DIETARY BIOACTIVE COMPONENTS	Andrew Neilson	Dietary Bioactive Components RIS Business Meeting and Hot Topic Monday, April 4, 12:45 - 2:30 PM, SDCC – 31 ABC
EMM	Qiong Hu	Energy and Macronutrient Metabolism RIS Business Meeting and Hot Topics Seminar Sunday, April 3, 3:00 – 5:00 PM, SDCC – 33BC
EXPERIMENTAL ANIMAL NUTRITION	Kola Ajuwon	Experimental Animal Nutrition Business Meeting/Hot Topic Sunday, April 3, 3:00 – 5:00 PM, SDCC –33 A
GNC	Aryeh Stein	Global Nutrition Council Business Meeting and Kellogg Prize for International Nutrition Research Lecture Monday, April 4, 6:30 - 8:00 PM, Hilton Bayfront Indigo AE
MATERNAL, PERINATAL AND PEDIATRIC	Shannon Kelleher	Maternal, Perinatal and Pediatric RIS/ISRHML Business Meeting Monday, April 4, 12:30-2:30 PM, SDCC –28DE
MNC	Connie Bales	Medical Nutrition Council Business Meeting Monday, April 4, 1:00 - 2:30 PM, SDCC – 33A
NUTRIENT GENE INTERATION	Tom Wang	Nutrient-Gene Interactions RIS Business Meeting Sunday, April 3, 12:45 – 2:30 pm, SDCC – 33 A
NUTRITION EDUCATION AND BEHAVIORAL SCIENCE	Amy Mobley	Joint Event: Community and Public Health and, Nutrition Education and Behavioral Science RIS Business Meeting and Speed Networking Session Monday, April 4, 3:00 – 5:00 PM, SDCC – 28DE
NUTRITION TRANSLATION	Michelle Braun	Nutrition Translation RIS Business Meeting and Networking Event Monday, April 4, 1:00 - 2:30 PM, SDCC – 33BC
NUTRITIONAL EPIDEMIOLOGY	Amy Millen	Nutritional Epidemiology RIS Business Meeting/Mentoring Event Sunday, April 3, 7:00 - 9:00 AM, Hilton Bayfront Indigo C
NUTRITIONAL IMMUNOLOGY AND INFLAMMATION	Erik Karlson	Nutritional Immunology and Inflammation RIS Business Meeting Saturday, April 2, 7:00 - 8:00 PM, SDCC – 30D
OBESITY	David Allison	Obesity RIS Business Meeting and Hot Topic Discussion Tuesday, April 5, 9:30 – 11:00 AM, SDCC – 32AB
VITAMIN MINERAL	Deshanie Rai	Vitamins & Minerals RIS Forum and Business Meeting Sunday, April 3, 1:00-2:30 pm, SDCC – 28DE

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