

ASN's 4th Emerging Leaders in Nutrition Science Poster Competition

Saturday, June 9, 2018 · 5:30 – 7:00 pm · The Hub (ASN's Expo Hall) · Hynes Convention Center, Auditorium

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ASN's 4th Emerging Leaders in Nutrition Science Poster Competition features the very best research submitted by students and young investigators to Nutrition 2018. Organized by ASN's Research Interest Sections, the Global Nutrition Council and the Medical Nutrition Council, the Emerging Leaders in Nutrition Science Poster Competition includes 114 finalists competing within 25 abstract topical areas.

Thank you to Ingredion for sponsoring ASN's 4th Emerging Leaders in Nutrition Science Poster Competition for Nutrition 2018!

Finalist Name, Institution and Presentation Title	Topical Area	Poster Board Number
Niklas Aardema , Utah State University <i>The Total Western Diet and Vancomycin Increase Inflammation Mediated Colorectal Cancer</i>	Diet and Cancer	71
Tania Aburto-Soto , University of North Carolina at Chapel Hill <i>Trends in the Distribution of Sugar-Sweetened Beverages in the Mexican Population, 1999-2012</i>	Global Nutrition	115
Korin Albert , University of Massachusetts Amherst <i>Pangenome analysis of bifidobacteria isolated from primates link host dietary carbohydrates with bacterial coevolution and function in the gut microbiome</i>	Nutritional Microbiology	215
Janie Allaire , Laval University <i>Comparing the consistency of the serum triglyceride response to high-dose supplementation with either DHA or EPA among men and women at cardiovascular risk: The ComparED study</i>	Energy and Macronutrient Metabolism	95
Johanna Andrews Trevino , Tufts University <i>Relationship between maize and groundnut consumption and aflatoxin levels in Nepalese pregnant women eating a rice-dominated diet</i>	Global Nutrition	117
Minkyung Bae , University of Connecticut <i>Hepatic Stellate Cells Exposed to Astaxanthin During Activation Exhibit a Distinct Metabotype from Quiescent and Activated Hepatic Stellate Cells</i>	Carotenoids and Retinoids	43
Amat Bah , MRCG Unit The Gambia <i>Conventional iron supplementation versus two hepcidin-guided screen-and-treat regimens: a randomised non-inferiority trial in Gambian pregnant women</i>	Vitamins and Minerals	239

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Charlotte Bahnfleth , Cornell University <i>Enduring benefits of prenatal choline supplementation in 7-year olds: enhanced attention task performance</i>	Neurobiology	165
Yan Bai , Friedman School of Nutrition at Tufts University <i>Seasonality in the Cost of Nutritious Diets versus Caloric Adequacy in Tanzania</i>	Global Nutrition	119
Laura Bardon , University College Dublin <i>Predictors of incident malnutrition in older Irish adults: results from The Irish Longitudinal Study on Ageing- a MaNuEL study</i>	Aging and Chronic Disease	23
Traci Bekelman , University of Colorado Anschutz Medical Campus <i>To Eat or Not to Eat? A Novel Approach to Understanding Foods Offered and Unconsumed among Low-Income Families with Preschoolers at Dinner Time</i>	Community and Public Health Nutrition	55
Paige Berger , University of Southern California <i>High-fructose corn syrup-sweetened beverage increases breast milk fructose levels in lactating women</i>	Maternal, Perinatal and Pediatric Nutrition	137
Jessie Boukarim , University of Rhode Island- Community Nutrition and Childhood Obesity Prevention Lab <i>Is the city of Providence, Rhode Island ready for an obesity prevention intervention?</i>	Community and Public Health Nutrition	57
Tahani Boumenna , University of Massachusetts Lowell <i>Plasma Folate and Vitamin B12 and Cognitive Function in The Boston Puerto Rican Health Study</i>	Aging and Chronic Disease	25
Elise Carboneau , Université Laval <i>Associations Between Regulation of Eating Behaviors and Diet Quality in a French Canadian Population-The PREDISE Study</i>	Nutritional Epidemiology	193
Zhi Chai , The Pennsylvania State University <i>Differential Expression and Co-expression Analyses on Transcriptional Profiles of Lower Small Intestine Suggest Key Pathways Regulated by Vitamin A</i>	Nutrient-Gene Interactions	173
Fan Chen , Tufts University Friedman School of Nutrition Science and Policy <i>Use of Dietary Supplements in Association with Mortality Among US Adults: National Health and Nutrition Examination Survey, 1999-2010</i>	Nutritional Epidemiology	195
Yu-Han Chiu , Harvard T.H. Chan School of Public Health <i>Maternal Plasma Polyunsaturated Fatty Acid Concentrations during Pregnancy and Cord Blood DNA Methylation: An Epigenome-Wide Association Study</i>	Nutrient-Gene Interactions	175
Georgia Colleluori , Baylor College of Medicine <i>Aerobic or Resistance Exercise, or Both, in Dieting Obese Older Adults: Effects on Muscle Protein Synthesis and Cellular Quality</i>	Aging and Chronic Disease	27
Zach Conrad , USDA, ARS <i>Relationship between food waste, diet quality, and environmental sustainability</i>	Climate/Environment, Health, Agriculture and Improved Nutrition	51
Miranda Crouch , East Carolina University, Brody School of Medicine <i>Docosahexaenoic acid-derived metabolites regulate bone marrow and splenic B cell populations in obesity in a sex-specific manner</i>	Nutritional Immunology	209
Shruthi Cyriac , Emory University <i>Nutritionally adequate diets are unaffordable for poor households in western Kenya: A 'Cost of the Diet' Analysis</i>	Global Nutrition	121

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Sergio Davinelli , University of Molise <i>Short-Term Supplementation with Flavanol-Rich Cocoa Improves Lipid Profile, Antioxidant Status and Positively Influences Long-Chain n-3 PUFAs in Healthy Subjects</i>	Dietary Bioactive Components	83
Coby Eelderink , UMCG <i>Postprandial blood glucose, insulin and gastrointestinal hormone response to starchy foods</i>	Energy and Macronutrient Metabolism	97
Rong Fan , University of Nebraska-Lincoln <i>Maternal Fish Oil Supplementation Potentiates Fetal Brown Adipose Tissue Development Conferring Augmented Thermogenesis to Offspring</i>	Maternal, Perinatal and Pediatric Nutrition	139
Zahra Feizy , Texas Tech University <i>Nano-liposome-mediated delivery of the anti-diabetic protein E4orf1</i>	Energy and Macronutrient Metabolism	99
Deborah Fetter , University of California, Davis, Center for Nutrition in Schools <i>How Gain-Framed and Loss-Framed Messages Influence Nutrition and Physical Activity Knowledge</i>	Nutrition Education and Behavioral Sciences	179
Joanne Fil , University of Illinois at Urbana-Champaign <i>Early-life iron status and brain development in the pig</i>	Neurobiology	167
Stephen Fleming , University of Illinois at Urbana-Champaign <i>Iron repletion improves sleep- and exploratory-related behaviors but not recognition memory in a piglet model of early life iron deficiency</i>	Neurobiology	169
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Bryan Gannon , Cornell University <i>Anthropometry and Recipe Acceptability in Breastfeeding Mothers and Their Infants Targeted for a Multiple Biofortified Food Crop Intervention</i>	Maternal, Perinatal and Pediatric Nutrition	143
Yvonne Goh , McGill University <i>Participation in a Nutrition-Sensitive Intervention and Maternal Time Allocation to Child Care in Rural Ghana</i>	Global Nutrition	125
Anna Grummon , University of North Carolina, Chapel Hill <i>Does Participation in the Supplemental Nutrition Assistance Program Reduce Racial/Ethnic Disparities in Food and Beverage Purchases?</i>	Community and Public Health Nutrition	59
Rebecca Hagedorn , West Virginia University <i>Katalyst Pilot Study: Using Interactive Activities in Anatomy and Physiology to Teach Children the Scientific Foundation of Healthy Lifestyles</i>	Nutrition Education and Behavioral Sciences	181
Yanhui Han , University of Massachusetts, Amherst <i>Dietary whole strawberry inhibited colonic inflammation in dextran sulfate sodium-treated mice via restoring immune homeostasis and alleviating gut microbiota dysbiosis</i>	Dietary Bioactive Components	85
Jordan Harris , Northwestern University <i>Maternal Hours Spent on Household and Non-farming Work, and Not on Agriculture Work, is Associated with Child's Dietary Diversity in Rural Tanzania</i>	Community and Public Health Nutrition	61
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Jessie Hoffman , University of Kentucky <i>Interactions between diets high in cholesterol and dioxin-like pollutants increase inflammation, disrupt gut microbiota, and modulate host metabolism</i>	Nutrient-Gene Interactions	177
Ruixue Hou , UNC Chapel Hill <i>Genetic determinants of bone mineral density and content in Hispanic children: the Viva La Familia study</i>	Biomarkers	41
Emily Hu , Johns Hopkins Bloomberg School of Public Health <i>Coffee consumption and liver-related hospitalizations and deaths in the ARIC study</i>	Aging and Chronic Disease	29
Siqi Hu , University of Connecticut <i>The modulation of pro-fibrogenic gene expression by various fatty acids in hepatic stellate cells</i>	Medical Nutrition	155
Shue Huang , The Pennsylvania State University <i>Alcohol consumption and risk of heart failure: a prospective cohort study and a meta-analysis</i>	Nutritional Epidemiology	197
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Megan Jarman , University of Alberta <i>Comprehensive patterns of breastfeeding behaviors at 3 and 6 months postpartum in the Alberta Pregnancy Outcomes and Nutrition study (APrON)</i>	Maternal, Perinatal and Pediatric Nutrition	145
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Jun Shi Lai , Singapore Institute for Clinical Sciences, A*STAR <i>Maternal plasma folate and vitamin B12 in relation to academic readiness of children at 48 months of age: the GUSTO study.</i>	Maternal, Perinatal and Pediatric Nutrition	147
Jacqueline Lauer , Tufts University Friedman School of Nutrition Science and Policy <i>Association between maternal aflatoxin exposure during pregnancy and adverse birth outcomes in Mukono, Uganda</i>	Maternal, Perinatal and Pediatric Nutrition	149
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Gang Liu , Harvard T.H. Chan School of Public Health <i>Nut Consumption after Diabetes Diagnosis in Relation to Subsequent Risk of Cardiovascular Disease and Mortality</i>	Nutritional Epidemiology	201
Yi-Hsuan Liu , The Pennsylvania State University <i>Validation of a diet quality screening tool for oldest old</i>	Aging and Chronic Disease	33
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Courtney Millar , University of Connecticut <i>Black Elderberry Extract Improves HDL Function in Atherosclerosis-Prone Mice</i>	Dietary Bioactive Components	91
Amy Morel L'Horset , New York University <i>Weight-loss Strategies Among U.S. Adults with Prediabetes</i>	Nutrition Education and Behavioral Sciences	185
Aviva Musicus , Harvard T.H. Chan School of Public Health <i>The Influence of Sodium Warning Labels on Menu Item Choices, Perceptions, and Knowledge</i>	Policy	233
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Jane Naberhuis , USDA/ARS Children's Nutrition Research Center, Baylor College of Medicine <i>Prematurity Alters the Protein Synthetic Response of Skeletal Muscle to Feeding by Blunting Insulin-induced Translation Initiation in Neonatal Piglets</i>	Experimental Animal Nutrition	111
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Yong-moon Park , National Institute of Environmental Health Sciences <i>Association between different versions of Healthy Eating Index and risk of breast cancer: findings from the Sister Study</i>	Diet and Cancer	36
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Sumira Phatak , Utah State University <i>Impact of green tea for colitis-associated colorectal cancer prevention in a multigenerational murine model incorporating the total Western diet.</i>	Diet and Cancer	77
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Kim Rounsefell , Monash University <i>Impact of social media engagement or image-related exposure on body image and eating behavior in healthy young adults: a systematic review</i>	Nutrition Translation	191
Marko Rudar , Baylor College of Medicine <i>Impact of Feeding Modality on Muscle Protein Synthesis and Lean Growth in Preterm Pigs</i>	Experimental Animal Nutrition	113
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Marianne Santoso , Cornell University <i>Midline Evaluation of a Participatory Agroecology Intervention on Crop Diversity, Food Security, and Maternal Dietary Diversity among Tanzanian Farmers</i>	Global Nutrition	131
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Clark Sims , Arkansas Children's Nutrition Center, University of Arkansas for Medical Sciences <i>Macronutrients and bioactive components in breast milk from normal weight, overweight and obese mothers.</i>	Maternal, Perinatal and Pediatric Nutrition	151
Alissa Smethers , The Pennsylvania State University <i>Energy density variations lead to sustained changes in preschool children's energy intake</i>	Obesity	223
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Amy Tan , University of British Columbia <i>Reference intervals for serum total vitamin B12 and holotranscobalamin to facilitate assessment of vitamin B12 status during early and mid-pregnancy</i>	Vitamins and Minerals	247
Masresha Tessema , Ethiopian Public Health Institute (EPHI), Wageningen University and Research (WUR) <i>Associations Among Soil Zinc, Serum Zinc, and Linear Growth of Children in Ethiopia</i>	Global Nutrition	133
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Cécile Vors , Institute of Nutrition and Functional Foods (INAF), Laval University <i>Adipose Tissue Morphology, Macrophage Infiltration and Endocannabinoids after High-Dose DHA vs. EPA Supplementation: the ComparED Study.</i>	Obesity	225
Jillian Waid , University of Heidelberg <i>Tracing dietary patterns and identifying determinants of changing diets in Bangladesh from 1985 to 2010</i>	Global Nutrition	135
Tao Wang , Sichuan University <i>Copper supplementation in drinking water reverses dietary iron overload-induced anemia and cardiac hypertrophy in mice</i>	Medical Nutrition	159
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Pan Zhuang , Zhejiang University <i>Essential fatty acids linoleic acid and α-linolenic acid sex-dependently affect glucose homeostasis in already obesity</i>	Energy and Macronutrient Metabolism	109
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