

Official Scientific Program of the American Society for Nutrition's Scientific Sessions at EB 2014 – San Diego, California

All rooms listed are in the Convention Center unless otherwise noted.

	SATURDAY, APRIL 26, 2014				SUNDAY, APRIL 27, 2014		
	8:00 – 10:00 AM	10:30 AM – 12:30 PM	12:45 – 2:45 PM	3:00 – 5:00 PM	8:00 – 10:00 AM	10:30 AM – 12:30 PM	3:00 – 5:00 PM
Ballroom 20 D	Fortification and Health: Opportunities and Challenges K. Wiemer and J. Dwyer			Energy Drinks: Current Knowledge and Critical Research Gaps B.C. Sorkin and P.M. Coates	Nutri-Metabolomics N. Moustaid-Moussa and F. Assadi-Porter	Presidential Symposium: Malnutrition and Inflammation: Intimate Partners G. Jensen, <i>ASN President</i>	Unscientific Beliefs About Scientific Topics in Nutrition D.B. Allison and A.W. Brown
31 ABC	Circulating Vitamin D and Risk of Breast and Colorectal Cancer S. Smith-Warner and R. Ziegler	Dietary Patterns Methods Project J. Reedy		Insights and Perspectives on Dietary Modifications to Reduce the Risk of CVD B. Bradley and D. Baer	How Should we Collect Dietary Data for Research? R. Bailey and C. Zizza	*12:45 – 2:45 PM* Food and Nutrition Board Update A. Yaktine S. Murphy	Are Biofortified Staple Food Crops Improving Vitamin A and Iron Status in Women and Children? J.P. Peña-Rosas and F. de Moura
Education Track Rm. 29AB	8:00 AM – 9:30AM Clinical Emerging Leaders Award Competition	10:00 AM – 12:00 PM The Postdoctoral Research Award Competition	12:30 – 2:00 PM ASN Young Minority Investigator Oral Competition	2:30 – 5:00 PM Graduate Student Research Award Competition	Best Practices for Your Research Toolkit R.A. Creasy	*12:45 – 2:45 PM* USDA-NIFA Funding Opportunities D. Chester and J. Williams	Nutrition Competencies in Health Professionals' Education and Training: A New Paradigm P.M. Kris-Etherton and E. Saltzman
32B					Medical Nutrition: Interventions for the Treatment and Prevention of Nutrition-Related Diseases		Nutrition Epi and MAC: Epidemiologic Methods in Examining Health Outcomes in Diverse Populations
32A			PhenHRIG: Phenolic Compounds and Human Cognitive Function: Food for Thought		Nutrition Education and Knowledge of Medical Students and Practicing Clinicians		Determinants of Lactogenesis, Duration and Other Indicators of Lactation Success
30D		Nutritional Epi: Innovation and Validation of Dietary Assessment Tools and Their Applications			Global Nutrition: Infant & Young Child Feeding		Health and Food Systems Approaches in Community and Public Health
30C		Obesity: Physical Activity and Chronic Disease			EMM: : Diet and/or Exercise Regulation of Food Intake		EMM: Obesity and the Metabolic Syndrome
30B		Lactation: Bioactive Compounds and Other Milk Constituents			Effects of Dietary Bioactive Components on Experimental Models of Chronic Disease Risk		Antioxidant and Anti-inflammatory Effects of Dietary Bioactive Components
30A		Carotenoids, Retinoids and Health			Vitamins and Minerals: Zinc and Iron		Vitamins and Minerals: B Vitamins and One-Carbon Metabolism
29D				Obesity: Diet, Behavior, Devices and Surgery	Diet and Cancer: Animal Studies		Diet and Cancer: Clinical and Human Studies
29C		Medical Nutrition: Nutrition and Inflammation			Aging: Nutrition and Cognition Across the Lifespan		Animal Research Models of Fetal Programming and Neonatal Development

This overview includes sessions programmed by ASN's Scientific Program Committee.

View ASN's *Society Highlights* and *Guest Society Highlights* in the onsite program for Council, RIS and other activities.

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	MONDAY, APRIL 28, 2014			TUESDAY, APRIL 29, 2014		
	8:00 – 10:00 AM	10:30 AM – 12:30 PM	3:00 – 5:00 PM	8:00 – 10:00 AM	10:30 AM – 12:30 PM	3:00 – 5:00 PM
Ballroom 20 D	Neurocognition: The Food-Brain Connection M. Kelley and N.A. Khan		Optimizing Protein Quantity and Distribution to Improve Health Outcomes H. J. Leidy and W. W. Campbell	It's Alive Microbes and Cells in Human Milk and their Potential Benefits to Mother and Infant L.Bode and M. McGuire	Human Milk Oligosaccharides L. Bode and S. Donovan	The Science of Cocoa Flavanols Bioavailability, Emerging Evidence and Proposed Mechanisms J. Blumberg
		E.V McCollum Lecture 1:45 – 2:45 PM K. Dewey			*W.O. Atwater Lecture 12:45 – 1:45 PM* D. Allison	Ballroom: 20 BC *DANONE Award Lecture 5:00-6:15 PM* G. Hotamisligil
31 ABC	Dietary Whole Grain-Microbiota Interactions N.L. Keim and R.J. Martin	International Breast Cancer and Nutrition C. M. Weaver and D. Teegarden	Novel Mathematical Models for Investigating Topics in Obesity S. B. Heymsfield and D. B. Allison	Beyond Blood Pressure. New Paradigms in Sodium Intake Reduction and Health Outcomes J.King and K. Reimers	Modifying Eating Behavior Novel Approaches for Reducing Body Weight M. A McCrory and N. Gletsu-Miller	Research Advances and Considerations for Investigating the Human Diet, Nutrient Utilization and Microbiota Interface Across the Life Course C. Davis and J. McDermid
Education Track Rm. 29AB	International Forum - Brazil	International Forum - China	The Future of Nutrition Research at NIH C. Davis and S. Ohlhorst	Successful Scientist - What's the Winning Formula? A.J. Stull and E. Ciappio	Historical Impact of Nutritional Epidemiology D. H. Alpers and D.s Bier	International Forum - Japan
32B	Nutrition Epi: Dietary Supplements and Bioactives	Nutrition Epi: Exploring Geographic Based Methods in Nutrition Epi Research	International Forum-South America		Global Nutrition: Household Food Insecurity & Social Determinants	
32A	Experimental Animal Research Models of Nutrient Metabolism	Global Nutrition: Prenatal Micronutrient Interventions	Nutrition Epi: Epi Research Addressing Diet and Health Outcomes	Nutrition Epi: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets	Nutrition Education: Health Eating Behaviors Across the Lifespan	Global Nutrition: Bio-behavioral Outcomes of Micronutrient Interventions
30D	Effects of Lactation/Breastfeeding on the Recipient Infant and/or Lactating Mother	Aging: Nutrition, Physical Performance and Bone Health	Food Security and its Connections to Nutrition and Health	Nutrition Epi: Nutrition and Chronic Disease Epi	Health Disparities and Promoting Health in Diverse Populations	Community and Public Health Nutrition: Food Environment
30C	EMM: Metabolic Phenotyping, Metabolomics and Biomarkers	EMM: Protein and Amino Acid Metabolism	EMM: Dietary Factors Affecting Lipid Metabolism	EMM: Energy Balance, Macronutrients and Weight Management	EMM: Protein Intake and Health Implications	Obesity: Body Composition
30B	Cardiovascular Effects of Dietary Bioactive Components	Dietary Bioactive Components of Medicinal, Functional and Whole Foods	Bioavailability, Metabolism and Biomarkers of Dietary Bioactive Components	Mechanisms of Action and Molecular Targets of Dietary Bioactive Components	Nutrition Immunology	Nutrition Immunology: Nutrition, Infection and Immunity
30A	Vitamins and Minerals: Micronutrient Interventions	Vitamins and Minerals: Fat Soluble Vitamins and Chronic Disease	Nutrient-Gene Interactions: Nutritional Regulation of Epigenetics	Nutrient-Gene Interactions: Nutrition and the Genome	Nutrient-Gene Interactions in Obesity and Inflammation	
29D	Community and Public Health Nutrition Interventions	Diet and Cancer: Molecular Targets	Aging: Nutrition Interventions for Risk Factor Modification in Chronic Disease	Vitamins and Minerals: Selenium	Public Policy Nutrition: Nutrition Research and Surveillance to Improve the Health of the US Population	Nutrition Translation: Food Related Behaviors and Implications for Food Policy
29C	Nutrition Education: Childhood Obesity Prevention (I)	Nutrition Education: Childhood Obesity Prevention (II)	Nutrition Education: Nutrition Education and Behavior Change			

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	WEDNESDAY, APRIL 30, 2014	
	8:00 – 10:00 AM	10:30 AM – 12:30 PM
Ballroom 20 D	Applications of Complex Systems Science in Obesity and Non-Communicable Chronic Disease Y.Wang and T.T-K Huang	Cellular Responses to Nutrients and Development of Disease M.Hatzoglou and P.Maruvada
31 ABC	Use of Metabolomics in Population-Based Research L. J.Su, and K. A. Zanetti	Sustainable Diets for Healthy People, Healthy Planet N.Auestad and J. Gazzaniga-Moloo

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Sunday Poster Sessions	Monday Poster Sessions	Tuesday Poster Sessions
<ul style="list-style-type: none"> ▪ Global Nutrition: Behavioral and Brain Function ▪ Global Nutrition: Child Growth/ Body Composition ▪ Global Nutrition: Dual Burden/Chronic Diseases ▪ Lactation: Biology of Milk Production and Secretion ▪ Lactation: Bioactive Compounds and other Milk Constituents ▪ Community and Public Health Nutrition: Community and Public Health Nutrition Interventions ▪ Nutrition Education: Evidence-Based Nutrition Education: Development, Testing, and Evaluation ▪ Nutrition Education: Nutrition Education and Behavior Change ▪ Nutrition Education: Nutrition Education in the Clinical Setting ▪ Nutrition Epidemiology: Nutrition and Chronic Disease Epidemiology ▪ Aging: Nutrition and Cognition Across the Lifespan (Co-sponsor: Nutritional Epidemiology RIS) ▪ Nutrition Trans: Nutrition Science Translation for Policy, Practice and Consumers ▪ Nutrition Trans: Food Related Behaviors and Implications for Food Policy ▪ Nutrition Policy ▪ Sports Nutrition: Sports Nutrition ▪ Sports Nutrition: Dietary Supplements and Human Performance ▪ Medical Nutrition: Personalized Nutrition ▪ Medical Nutrition: Prenatal Nutrient Programming in Humans ▪ Medical Nutrition: Nutrition and the Microbiome ▪ Nutrition Immunology: Nutritional Immunology ▪ Nutrition Immunology: Nutrition, Infection and Immunity ▪ Energy and Macronutrient Metabolism: Energy Balance, Macronutrients and Weight Management ▪ Energy and Macronutrient Metabolism: Obesity and the Metabolic Syndrome (Co-sponsor: Obesity RIS) ▪ Energy and Macronutrient Metabolism: Dietary Factors Affecting Lipid Metabolism ▪ Energy and Macronutrient Metabolism: Metabolic Phenotyping, Metabolomics and Biomarkers ▪ Diet and Cancer: Molecular Targets ▪ CARIG: Bioavailability and Metabolism of Carotenoids and Vitamin A ▪ CARIG: Biofortification of Staple Crops with Micronutrients ▪ Dietary Bioactive Components Dietary Bioactive Components of Medicinal, Functional and Whole Foods (including Probiotics and Fermented Foods) 	<ul style="list-style-type: none"> ▪ Global Nutrition: Micronutrients ▪ Community and Public Health Nutrition: Food Security and Its Connections to Nutrition and Health ▪ Community and Public Health Nutrition: Nutrition and Health Promotion in Diverse Populations ▪ Nutrition Education: Culturally Sensitive Nutrition Education Interventions in Diverse Populations ▪ Nutrition Education: Childhood Obesity Prevention ▪ Nutrition Epidemiology: Research with Dietary Supplements and Bioactive Components ▪ Nutrition Epidemiology: Epidemiological Research Addressing Diet and Health Outcomes ▪ Obesity: Diet and Behavior ▪ Obesity: Devices, Medications and Surgery ▪ Innovative Applications and Technologies in Nutrition and Food Science ▪ Animal Research Models for Macronutrient Metabolism ▪ Animal Research Models Investigating Nutrition and Inflammation ▪ Animal Research Models in Intestinal Physiology and Digestive Function ▪ Nutrient-Gene Interactions: Nutrient-Gene Interactions: Nutritional Regulation of Epigenetics ▪ Nutrient-Gene Interactions: Nutrient-Gene Interactions - Nutrition and the Genome ▪ Nutrient-Gene Interactions: Nutrient-Gene Interactions in Obesity and Inflammation ▪ Energy and Macronutrient Metabolism: Protein and Amino Acid Metabolism ▪ Energy and Macronutrient Metabolism: Lipid and Fatty Acid Metabolism and Transport ▪ Energy and Macronutrient Metabolism: Energy and Macronutrient Metabolism and the Gut ▪ Energy and Macronutrient Metabolism: Protein Intake and Health Implications ▪ Diet and Cancer: Animal Studies ▪ Diet and Cancer: Clinical and Human Studies ▪ Vitamins and Minerals: Selenium ▪ Vitamins and Minerals: B Vitamins and One-Carbon Metabolism ▪ Vitamins and Minerals: Micronutrient Interventions ▪ Dietary Bioactive Components: Effects of Dietary Bioactive Components on Experimental Models of Chronic Disease Risk ▪ Dietary Bioactive Components: Antioxidant and Anti-inflammatory Effects of Dietary Bioactive Components ▪ Dietary Bioactive Components: Cardiovascular Effects of Dietary Bioactive Components 	<ul style="list-style-type: none"> ▪ Global Nutrition: Food Security ▪ Global Nutrition: Infant and Young Child Feeding ▪ Lactation: Determinants of Lactogenesis, Lactation Duration and Other Indicators of Lactation Success ▪ Lactation: Effects of Lactation/Breastfeeding on the Recipient Infant and/or Lactating Mother ▪ Dairy and Yogurt: Health and Nutrition Effects ▪ Community and Public Health Nutrition: Food Environment and Food Systems ▪ Nutrition Education and Teaching ▪ Nutrition Education: Developing Healthy Eating and Physical Activity Behaviors Across the Lifespan ▪ Nutrition Epidemiology: Innovation and Validation of Dietary Assessment Tools and Their Applications ▪ Nutrition Epidemiology: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets ▪ Nutrition Epidemiology: Assessment of Child and Adolescent Nutritional Status, Growth, and Obesity ▪ Aging: Nutrition Interventions for Risk Factor Modification in Chronic Disease ▪ Aging: Nutritional Assessment and Status in Older Populations ▪ Aging: Nutrition, Physical Performance & Bone Health ▪ Obesity: Physical Activity ▪ Obesity: Chronic Diseases ▪ Obesity: Insulin Resistance ▪ Obesity: Body Composition ▪ Animal Research Models in Nutrition and Musculoskeletal Development ▪ Animal Research Models of Fetal Programming ▪ Medical Nutrition: Nutrition and Inflammation ▪ Medical Nutrition: Interventions for the Treatment and Prevention of Nutrition-Related Diseases ▪ Nutrient-Gene Interactions: Nutrition and (Stem) Cell Differentiation ▪ Nutrient-Gene Interactions: Nutrient Control of Proteomics and Metabolomics ▪ Nutrient-Gene Interactions: Nutrient-Gene Interactions in Metabolic, Autoimmune and Neurodegenerative Diseases ▪ Energy and Macronutrient Metabolism: Carbohydrate Metabolism ▪ Energy and Macronutrient Metabolism: Diet and/or Exercise Regulation of Food Intake (Co-sponsor: Obesity RIS) ▪ Vitamins and Minerals: Water and Fat Soluble Vitamins and Chronic Disease ▪ Vitamins and Minerals: Micronutrient Bioavailability and Antioxidant Function ▪ Vitamins and Minerals: Zinc ▪ Dietary Bioactive Components: Bioavailability, Metabolism and Biomarkers of Dietary Bioactive Components ▪ Dietary Bioactive Components: Mechanisms of Action and Molecular Targets of Dietary Bioactive Components

Posters will be displayed 7:30 AM – 6:00 PM Sunday and Monday and 7:30 AM – 4:00PM on Tuesday. Authors MUST be present by their boards during their designated time between 12:45 PM – 2:45 PM. Late Breaking posters will be displayed Wednesday, April 30, 2014 starting at 8:30 AM. Authors MUST be present by their boards 10:00 AM – 11:00 AM.

Late Breaking Posters will include: Variability in Responses to Diet and Food, Nutrition on Healthy Growth, Development and Reproduction; Disease Prevention, Progression and Treatment, Nutrition-Related Behaviors, Food Supply and Environment, Vitamins, Minerals, and Bioactives, Energy and Nutrient Metabolism and Community, Public Health and Global Nutrition.

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Sponsored Satellite Programs <i>Sponsored Satellite Programs are planned and conducted by external groups in conjunction with the American Society for Nutrition's Scientific Sessions and Annual Meeting.</i>			
Friday	Deciphering the Evidence behind Whole Food Nutrition & Disease Risk Reduction <i>Organized and Sponsored by the California Walnut Commission</i> 8:30 AM – 12:00 PM San Diego Hilton Bayfront – Indigo D		
	Functional and Sensory Roles of Glutamate in Human Foods <i>Organized and Sponsored by the Umami Information Center</i> 1:00 PM – 5:00 PM San Diego Hilton Bayfront – Sapphire 400	The Global Nutrition Translation: Interaction of Nutrition and Physical Activity <i>Organized and Sponsored by the Herbalife Nutrition Institute</i> 1:00 PM – 5:00 PM San Diego Hilton Bayfront – Indigo D	Let's Chew the Fat: Current Thinking on Dietary Fats and the Food We Eat <i>Organized and Sponsored by the Alliance for Potato Research and Education</i> 1:00 PM – 5:00 PM San Diego Hilton Bayfront – Indigo H
Saturday	Sugar and Health Controversies: What Does the Science Say? <i>Organized and Sponsored by the Corn Refiners Association</i> 6:30 AM – 8:00 AM San Diego Convention Center, 32AB		Mind the Gap! Addressing Nutrients of Concern for Americans <i>Organized and Sponsored by the Council for Responsible Nutrition</i> 6:30 AM – 8:00 AM San Diego Hilton Bayfront, Sapphire Ballroom
	Hydration and Health: Assessing the Gaps in the Science <i>Organized and Sponsored by Danone Research</i> 12:45 PM – 2:45 PM San Diego Hilton Bayfront, Sapphire D		The Role of Protein in Muscle Health: Current Methods and Mechanisms <i>Organized and Sponsored by DuPont Nutrition & Health</i> 12:45 PM – 2:45 PM San Diego Convention Center, 31A
Sunday	Exploring New Territories: The Emerging Role of Oats in Satiety, Antioxidants and Diet Quality <i>Organized and Sponsored by Quaker Oats Center of Excellence</i> 6:30 AM – 8:00 AM San Diego Hilton Bayfront, Sapphire EF		Are Almonds an Optimal Snack? New Research on the Health Effects of Almonds <i>Organized and Sponsored by the Almond Board of California</i> 6:30 AM – 8:00 AM San Diego Hilton Bayfront, Sapphire IJ
Monday	Novel Approaches to, and Health Implications of, Consuming More Nutrient Dense Foods and Beverages <i>Organized and Sponsored by PepsiCo</i> 6:30 AM – 8:00 AM San Diego Hilton Bayfront, Indigo D		
Tuesday	What's the Truth About 100% Fruit Juice – Squeezing Fact from Fiction <i>Organized and Sponsored by the Juice Products Association</i> 6:30 AM – 8:00 AM San Diego Hilton Bayfront, Indigo H		
Wednesday	Global Summit on the Health Effects of Yogurt <i>Organized by ASN and the Danone Institute International</i> 8:00 AM – 12:30PM San Diego Convention Center, 29ABCD		

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