Aging & Chronic Disease

Minisymposia:
Sunday, April 27: 8-10am
   Aging: Nutrition and Cognition Across the Lifespan (Co-sponsor: Nutritional Epidemiology
   Chair: Christine Tangney
   Co-Chair: Lesley Tinker
   Room: 29 C

Monday, April 28: 10:30am-12:30pm
   Aging: Nutrition, Physical Performance and Bone Health
   Chair: Shivani Sahni
   Co-Chair: Dingbo Lin
   Room: 30 D

Monday, April 28: 3:00pm – 5:00pm
   Aging: Nutrition Interventions for Risk Factor Modification in Chronic Disease
   Chair: Carmen Sceppa
   Co-Chair: Elizabeth J. Reverri
   Room: 29 D

Posters:
Sunday, April 27
   • Aging: Nutrition and Cognition Across the Lifespan (Co-sponsor: Nutritional Epidemiology RIS)

Tuesday, April 29
   • Aging: Nutrition Interventions for Risk Factor Modification in Chronic Disease
   • Aging: Nutritional Assessment and Status in Older Populations
   • Aging: Nutrition, Physical Performance & Bone Health
Community and Public Health Nutrition

Minisymposia:
Sunday, April 27: 3:00pm – 5:00pm
   Community and Public Health: Health and Food Systems Approaches in Community and Public Health
   Chair: Patty Keane
   Co-Chair: Saurabh Mehta
   Room: 30D
Monday, April 28: 8:00 am – 10:00 am
   Community and Public Health Nutrition Interventions
   Chair: Nobuko Kay Hongu
   Co-Chair: Jerusha Peterman
   Room: 29D
Monday, April 28: 3:00pm – 5:00pm
   Community and Public Health Nutrition: Food Security and its Connections to Nutrition and Health
   Chair: Lorraine Cordeiro
   Co-Chair: Roshan Ramlal
   Room: 30D
Tuesday, April 29: 10:30am- 12:30pm
   Community and Public Health Nutrition: Health Disparities and Promoting Health in Diverse Populations
   Chair: Kristie Lancaster
   Co-Chair: Domingo Pinero
   Room: 30 D
Tuesday, April 29: 3:00pm – 5:00pm
   Community and Public Health Nutrition: Food Environment
   Chair: Nurgul Fitzgerald
   Co-Chair: Suzanne Judd
   Room: 30 D

Posters:
Sunday, April 27
   • Community and Public Health Nutrition: Community and Public Health Nutrition Interventions
Monday, April 28
   • 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
Tuesday, April 29
   • Community and Public Health Nutrition: Food Environment and Food Systems
CARIG

Minisymposia:
Saturday, April 26: 10:30 am – 12:30pm
Carotenoids. Retinoids and Health
Chair: Zeina Jouni
Co-chair: Elizabeth Johnson
Room: 30 A

Posters:
Sunday, April 27
• CARIG: Bioavailability and Metabolism of Carotenoids and Vitamin A
• CARIG: Biofortification of Staple Crops with Micronutrients
Diet and Cancer

Minisymposia:
Sunday, April 27: 8-10am
  Diet and Cancer: Animal Studies
  Chair: Connie Rogers
  Co-Chair: Nancy Turner
  Room: 29 D

Sunday, April 27: 3:00pm – 5:00pm
  Diet and Cancer: Clinical and Human Studies
  Chair: Jenifer Fenton
  Co-Chair: Ock Chun
  Room: 29 D

Monday, April 28: 10:30am-12:30pm
  Diet and Cancer: Molecular Targets
  Chair: Zora Djuric
  Co-Chair: Sabrina Trudo
  Room: 29 D

Posters:
Sunday, April 27
  • Diet and Cancer: Molecular Targets

Monday, April 28
  • Diet and Cancer: Animal Studies
  • Diet and Cancer: Clinical and Human Studies
Dietary Bioactive Components

Minisymposia:

Sunday, April 27: 8-10am
Dietary Bioactive Components: Effects of Dietary Bioactive Components on Experimental Models of Chronic Disease Risk
Chair: Andrew Neilson
Co-Chair: Silvia Stan
Room: 30B

Sunday, April 27: 3:00pm – 5:00pm
Dietary Bioactive Components: Antioxidant and Anti-inflammatory Effects of Dietary Bioactive Components
Chair: John Finley
Co-Chair: Elvira de Mejia
Room: 30B

Monday, April 28: 8:00 am – 10:00 am
Dietary Bioactive Components: Cardiovascular Effects of Dietary Bioactive Components
Chair: Okezie Aruoma
Co-Chair: Maria-Luz Fernandez
Room: 30B

Monday, April 28: 10:30am- 12:30pm
Dietary Bioactive Components: Dietary Bioactive Components of Medicinal, Functional and Whole Foods (Including Probiotics and Fermented Foods)
Chair: Young-Eun Lee
Co-Chair: Sang-kyu Noh
Room: 30B

Monday, April 28: 3:00pm – 5:00pm
Dietary Bioactive Components: Bioavailability, Metabolism and Biomarkers of Dietary Bioactive Components
Chair: Shirley Blakely
Co-Chair: DeAnn Liska
Room: 30B

Tuesday, April 29: 8:00 am – 10:00 am
Dietary Bioactive Components: Mechanisms of Action and Molecular Targets of Dietary Bioactive Components
Chair: Shaikh Rahman
Co-Chair: Kiran Panickar
Room: 30B

Posters:

Sunday, April 27
- Dietary Bioactive Components Dietary Bioactive Components of Medicinal, Functional and Whole Foods (including Probiotics and Fermented Foods)

Monday, April 28
- 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

Tuesday, April 29
- Dietary Bioactive Components: Bioavailability, Metabolism and Biomarkers of Dietary Bioactive Components
- Dietary Bioactive Components: Mechanisms of Action and Molecular Targets of Dietary Bioactive Components
Energy and Macronutrient Metabolism

Minisymposia:
Sunday, April 27: 8-10am
  **Energy and Macronutrient Metabolism: Diet and/or Exercise Regulation of Food Intake (Co-sponsor: Obesity RIS)**
  Chair: Heather Leidy
  Co:Chair: Nick Bellissimo
  Room: 30 C

Sunday, April 27: 3:00pm – 5:00pm
  **Energy and Macronutrient Metabolism: Obesity and the Metabolic Syndrome (Co-sponsor: Obesity RIS)**
  Chair: Victoria Vieira Potter
  Co:Chair: Ryan Grant
  Room: 30 C

Monday, April 28: 8:00 am – 10:00 am
  **Energy and Macronutrient Metabolism: Metabolic Phenotyping, Metabolomics and Biomarkers**
  Chair: Michelle Puchowicz
  Co-chair: Gary Cline
  Room: 30 C

Monday, April 28: 10:30am- 12:30pm
  **Energy and Macronutrient Metabolism: Protein and Amino Acid Metabolism**
  Chair: Marta Fiorotto
  Co:Chair: Juan Marini
  Room: 30 C

Monday, April 28: 3:00pm – 5:00pm
  **Energy and Macronutrient Metabolism: Dietary Factors Affecting Lipid Metabolism**
  Chair: Ling Zhao
  Co:Chair: Liang Guo
  Room: 30 C

Tuesday, April 29: 8:00 am – 10:00 am
  **Energy and Macronutrient Metabolism: Energy Balance, Macronutrients and Weight Management**
  Chair: Stefan Pasiakos
  Co:Chair: John Carbone
  Room: 30 C

Tuesday, April 29: 10:30am- 12:30pm
  **Energy and Macronutrient Metabolism: Protein Intake and Health Implications**
  Chair: Jamie I. Baum
  Co:Chair: Douglas Paddon-Jones
  Room: 30 C
Posters:
Sunday, April 27
- 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

Monday, April 28
- 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

Tuesday, April 29
- Energy and Macronutrient Metabolism: Carbohydrate Metabolism
- Energy and Macronutrient Metabolism: Diet and/or Exercise Regulation of Food Intake (Co-sponsor: Obesity RIS)
**Experimental Animal Nutrition**

**Minisymposia:**
Sunday, April 27: 3:00pm – 5:00Pm  
**Experimental Animal Research Models of Fetal Programming and Neonatal Development**  
Chair: Elizabeth Gilbert  
Co-Chair: Kimberly Barnes  
Room: 29 C

Monday, April 28: 8:00 am – 10:00 am  
**Experimental Animal Research Models of Nutrient Metabolism**  
Chair: Kristine Urschel  
Co-Chair: Kate Shoveller  
Room: 32A

**Posters:**
Monday, April 28  
- Animal Research Models for Macronutrient Metabolism  
- Animal Research Models Investigating Nutrition and Inflammation  
- Animal Research Models in Intestinal Physiology and Digestive Function

Tuesday, April 29  
- Animal Research Models in Nutrition and Musculoskeletal Development  
- Animal Research Models of Fetal Programming
Lactation

Minisymposia:
Saturday, April 26: 10:30 am – 12:30pm
  - Lactation: Bioactive Compounds and Other Milk Constituents
    Chair: Shannon Kelleher
    Co-Chair: Chloe Autran
    Room: 30B
Sunday, April 27: 3:00pm – 5:00pm
  - Lactation: Determinants of Lactogenesis, Lactation Duration and Other Indicators of Lactation Success
    Chair: Beth Olson
    Co-Chair: Mary Rozga
    Room: 32 A
Monday, April 28: 8:00 am – 10:00 am
  - Lactation: Effects of Lactation/Breastfeeding on the Recipient Infant and/or Lactating Mother
    Chair: Cheryl Lovelady
    Co-Chair: Laurie Nommsen-Rivers
    Room: 30 D

Posters:
Sunday, April 27
  - Lactation: Biology of Milk Production and Secretion
  - Lactation: Bioactive Compounds and other Milk Constituents
Tuesday, April 29
  - 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
Global Nutrition

Minisymposia:
Sunday, April 27: 8-10am
  Global Nutrition: Infant & Young Child Feeding
    Chair: Rafael Pérez-Escamilla
    Co-Chair: Daniel Sellen
    Room: 30 D
Monday, April 28: 10:30am - 12:30pm
  Global Nutrition: Prenatal Micronutrient Interventions
    Chair: Lynnette Neufeld
    Co-Chair: Kate Dickin
    Room: 32 A
Tuesday, April 29: 10:30am - 12:30pm
  Global Nutrition: Household Food Insecurity & Social Determinants
    Chair: Beatrice Rogers
    Co-Chair: Lea Fernald
    Room: 32 B
Tuesday, April 29: 3:00pm – 5:00pm
  Global Nutrition: Bio-behavioral Outcomes of Micronutrient Interventions
    Chair: Grace Marquis
    Co-Chair: Tay Kennedy
    Room: 32 A

Posters:
Sunday, April 27
  • Global Nutrition: Behavioral and Brain Function
  • Global Nutrition: Child Growth/ Body Composition
  • Global Nutrition: Dual Burden/Chronic Diseases
Monday, April 28
  • Global Nutrition: Micronutrients
Tuesday, April 29
  • Global Nutrition: Food Security
  • Global Nutrition: Infant and Young Child Feeding
**Medical Nutrition**

**Minisymposia:**
Saturday, April 26: 10:30 am – 12:30pm
  - Medical Nutrition: Nutrition and Inflammation
    Chair: Oliver Chen
    Co-Chair
    Room: 29C

Sunday, April 27: 8-10am
  - Medical Nutrition: Interventions for the Treatment and Prevention of Nutrition-Related Diseases
    Chair: Sarah Booth
    Co-Chair:
    Room: 32B

**Posters:**
Sunday, April 27
  - Medical Nutrition: Personalized Nutrition
  - Medical Nutrition: Prenatal Nutrient Programming in Humans
  - Medical Nutrition: Nutrition and the Microbiome

Tuesday, April 29
  - Medical Nutrition: Nutrition and Inflammation
  - Medical Nutrition: Interventions for the Treatment and Prevention of Nutrition-Related Diseases
Nutrition Education

Minisymposia:
Monday, April 28: 8:00 am – 10:00 am
   Nutrition Education: Childhood Obesity Prevention (I)
   Chair: Carolyn Gunther
   Co-Chair: Siew Sun Wong
   Room: 29 C
Monday, April 28: 10:30am- 12:30pm
   Nutrition Education: Childhood Obesity Prevention (II)
   Chair: Susan Johnson
   Co-Chair: Kathryn Keim
   Room: 29 C
Monday, April 28: 3:00pm – 5:00pm
   Nutrition Education: Nutrition Education and Behavior Change
   Chair: Julie Kennel
   Co-Chair: Amy Mobley
   Room: 29 C
Tuesday, April 29: 10:30am- 12:30pm
   Nutrition Education: Health Eating Behaviors Across the Lifespan
   Chair: Jill Landsbaugh Kaar
   Co-Chair: Juhee Kim
   Room: 32 A

Poster:
Sunday, April 27
   • 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
Monday, April 28
   • Nutrition Education: Culturally Sensitive Nutrition Education Interventions in Diverse Populations
   • Nutrition Education: Childhood Obesity Prevention
Tuesday, April 29
   • Nutrition Education: Developing Healthy Eating and Physical Activity Behaviors Across the Lifespan
Nutrient-Gene Interactions

Minisymposia:
Monday, April 28: 3:00pm – 5:00pm
  Nutrient-Gene Interactions: Nutritional Regulation of Epigenetics
  Chair: Sang Woon Choi
  Co-Chair: Kevin Schalinske
  Room: 30 A
Tuesday, April 29: 8:00 am – 10:00 am
  Nutrient-Gene Interactions: Nutrition and the Genome
  Chair: Janos Zempleni
  Co-Chair: Sharon Ross
  Room: 30 A
Tuesday, April 29: 10:30am- 12:30pm
  Nutrient-Gene Interactions: Nutrient-Gene Interactions in Obesity and Inflammation
  Chair: Mazen Hamadeh
  Co-Chair: Ron Morrison
  Room: 30 A

Posters:
Monday, April 28
  • 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
Tuesday, April 29
  • 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
Nutritional Epidemiology

Minisymposia:
Saturday, April 26: 10:30 am – 12:30pm
Nutrition Epidemiology: Innovation and Validation of Dietary Assessment Tools and Their Applications
Chair: Joann McDermid
Co-Chair: Shivani Sahni
Room: 30 D

Sunday, April 27: 8-10am
Aging: Nutrition and Cognition Across the Lifespan (Co-sponsor: Nutritional Epidemiology
Chair: Christine Tangney
Co-Chair: Lesley Tinker
Room: 29 C

Sunday, April 27: 3:00pm – 5:00pm
Nutrition Epidemiology: Epidemiologic Methods in Examining Health Outcomes in Diverse Populations (Co-sponsor: Minority Affairs Committee)
Chair: Lisa M. Troy
Co-Chair: Charlotte Pratt
Room: 32 B

Monday, April 28: 8:00 am – 10:00 am
Nutrition Epidemiology: Dietary supplements and Bioactives
Chair: Regan Bailey
Co-Chair: Paul Coates
Room: 32 B

Monday, April 28: 10:30am- 12:30pm
Nutrition Epidemiology: Exploring Geographic Based Methods in Nutrition Epidemiological Research
Chair: Carol J Boushey
Co-Chair: Brook E. Harmon
Room: 32 B

Monday, April 28: 3:00pm – 5:00pm
Nutrition Epidemiology: Epidemiological Research Addressing Diet and Health Outcomes
Chair: Lisa Troy
Co-Chair: Jill Kaar
Room: 32 A

Tuesday, April 29: 8:00 am – 10:00 am
Nutrition Epidemiology: Advancing Nutritional Epidemiology with Public Use and Commercial Data Sets
Chair: Namanjeet Ahluwalia
Co-Chair Patricia M. Guenther
Room: 32 A

Nutrition Epidemiology: Nutrition and Chronic Disease Epidemiology
Chair: Jill Kaar
Co-Chair Shivani Sahni
Room: 30 D
Posters:
Sunday, April 27
• Nutrition Epidemiology: Nutrition and Chronic Disease Epidemiology
Monday, April 28
• Nutrition Epidemiology: Research with Dietary Supplements and Bioactive Components
• Nutrition Epidemiology: Epidemiological Research Addressing Diet and Health Outcomes
Tuesday, April 29
• 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
Nutritional Immunology

Minisymposia:
Tuesday, April 29: 10:30am - 12:30pm
   Nutritional Immunology: Nutrition Immunology
   Chair: Laura Coleman
   Co-Chair: Erik Karlsson
   Room: 30 B
Tuesday, April 29: 3:00pm – 5:00pm
   Nutritional Immunology: Nutrition, Infection and Immunity
   Chair: Saame Raza Shaikh
   Co-Chair: Sarah Comstock
   Room: 30 B

Posters:
Sunday, April 27
   • Nutritional Immunology: Nutrition Immunology
   • Nutritional Immunology: Nutrition, Infection and Immunity
Nutrition Translation

Minisymposia:
Tuesday, April 29: 3:00pm – 5:00pm
  Nutrition Translation: Food Related Behaviors and Implications for Food Policy
  Chair: Kari Ryan
  Co-Chair: Jill Nicholls
  Room: 29 D

Posters
Sunday, April 27
  • Nutrition Trans: Nutrition Science Translation for Policy, Practice and Consumers
  • Nutrition Trans: Food Related Behaviors and Implications for Food Policy
Obesity

**Minisymposia:**
Saturday, April 26: 10:30 am – 12:30pm
- **Obesity: Physical Activity and Chronic Disease**
  Chair: Mark Cope
  Co-Chair: Kyle Timmerman
  Room: 30 C

Saturday, April 26: 3:00pm – 5:00pm
- **Obesity: Diet, Behavior, Devices and Surgery**
  Chair: Frank Greenway
  Co-Chair: YiFang Chu
  Room: 29D

Tuesday, April 29: 3:00pm – 5:00pm
- **Obesity: Body Composition**
  Chair: Zhaoping Li
  Co-Chair: Steve Heymsfield
  Room: 30 C

**Posters:**
Monday, April 28
- Obesity: Diet and Behavior
- Obesity: Devices, Medications and Surgery

Tuesday, April 29
- Obesity: Physical Activity
- Obesity: Chronic Diseases
- Obesity: Insulin Resistance
- Obesity: Body Composition
Vitamins and Minerals

Minisymposia:
Sunday, April 27: 8-10am
  Vitamins and Minerals: Zinc and Iron
  Chair: Angus Scrimgeour
  Co-Chair: Lixin Zhu
  Room: 30 A
Sunday, April 27: 3:00pm – 5:00pm
  Vitamins and Minerals: B Vitamins and One-Carbon Metabolism
  Chair: Lynn Bailey
  Co-Chair: Timothy Green
  Room: 30 A
Monday, April 28: 8:00 am – 10:00 am
  Vitamins and Minerals: Micronutrient Interventions
  Chair: Lisa Tussing-Humphreys
  Room: 30 A
Monday, April 28: 10:30am- 12:30pm
  Vitamins and Minerals: Fat Soluble Vitamins and Chronic Disease
  Chair: Sushil Jain
  Co-Chair: Guoxun Chen
  Room: 30 A
Tuesday, April 29: 8:00 am – 10:00 am
  Vitamins and Minerals: Selenium
  Chair: Xin Gen Lei
  Room: 29 D

Posters:
Monday, April 28
  • Vitamins and Minerals: Selenium
  • Vitamins and Minerals: B Vitamins and One-Carbon Metabolism
  • Vitamins and Minerals: Micronutrient Interventions
Tuesday, April 29
  • Vitamins and Minerals: Water and Fat Soluble Vitamins and Chronic Disease
  • Vitamins and Minerals: Micronutrient Bioavailability and Antioxidant Function
  • Vitamins and Minerals: Zinc
Sports Nutrition

Posters:
Sunday, April 27
  • Sports Nutrition: Sports Nutrition
  • Sports Nutrition: Dietary Supplements and Human Performance

Other

Posters:
Monday, April 28
  • Innovative Applications and Technologies in Nutrition and Food Science
Tuesday, April 29
  • Dairy and Yogurt: Health and Nutrition Effects

Education and Teaching

Minisymposia:
Sunday, April 27: 8-10am
  Education and Teaching: Nutrition Education and Knowledge of Medical Students and Practicing Clinicians
  Chair: Carine Lenders
  Room: 32A

Posters:
Tuesday, April 29
  • Nutrition Education and Teaching

Policy

Mini:
Tuesday, April 29: 10:30am- 12:30pm
  Public Policy Nutrition: Nutrition Research and Surveillance to Improve the Health of the US Population
  Chair: Alice Lichtenstein
  Co: Chair: Sarah Ohlhorst
  Room: 29 D

Posters:
Sunday, April 27
  • Nutrition Policy