

**2023 FASEB CONFERENCE SERIES:
NUTRITIONAL IMMUNOLOGY ACROSS THE LIFESPAN**

**DATES: JULY 30- AUGUST 3, 2023
LOCATION: MELBOURNE, FLORIDA**

Organizers:

Saame "Raz" Shaikh PhD, UNC Chapel Hill
Sarah Comstock PhD, Michigan State
Jimmy Crott PhD, Boston University
Laxmi Yeruva PhD, USDA-ARS, Arkansas Children's Nutrition Center

Website: <https://web.cvent.com/event/5d279994-3eee-4eed-85aa-31c9077a63af/summary>

TENTATIVE SCHEDULE OF EVENTS

Sunday July 30

Keynote Address: Barbara Nikolajczyk, University of Kentucky
Mechanisms that promote inflammation in human obesity and type 2 diabetes

Session 1: Impact of diet on innate immunity

Chair: Kym Gowdy, Ohio State University

Speaker 1: Philip Calder, University of Southampton, Polyunsaturated fatty acid metabolism and innate immunity from infants to adulthood

Speaker 2: Kym Gowdy, Ohio State, Diet and pulmonary inflammation at a young age

Speaker 3: TBD from abstracts

Speaker 4: Richard Bruno, Ohio State, Phytochemicals and innate immunity in humans

Monday July 31

Morning Session

Session 2: Diet as a regulator of infection

Chair: Daniela Frasca, University of Miami

Speaker 1: Daniela Frasca, University of Miami, COVID-19 Vaccine response in the aged

Speaker 2: John Brooks, Princeton, Circadian regulation of immunity at the intersection of diet and microbiome

Speaker 3: Stacey Shultz-Cherry, St. Jude, Serological responses to influenza vaccination during early development and pregnancy

Speaker 4: Margherita Cantorna, Penn State, Retinoid signaling in early survival and infection

Evening Session

Session 3: Role of nutrients in gut inflammation

Chair: Sarah Comstock, Michigan State

Speaker 1: Teresa Alenghat, Cincinnati Children's Hospital. "Immunobiology, Inflammation and Tolerance"

Speaker 2: Viswa Deep Dixit, Yale University, Impact of dysbiosis on the development of age-related inflammation

Speaker 3: Vanessa Leone, University of Wisconsin Madison. TBD

Speaker 4: Charles Stephenson, Western Human Nutrition Research Center, TBD

Tuesday August 1

Morning Session

Session 4: Diet and inflammaging session I

Chair: Tina Brinkley, Wake Forest School of Medicine

Speaker 1: Gabrielle Fredman, Metabolites of inflammation resolution in CVD

Speaker 2: TBD from abstracts

Speaker 3: Jimmy Crott, Boston University, Aging, microbiome, and colon cancer

Speaker 4: Tina Brinkley, Wake Forest, Inflammaging in Alzheimers

Evening Session

Session 5: Diet and inflammaging session II

Chair: Simin Meydani, Tufts

Speaker 1: TBD from abstracts

Speaker 2: John Batsis, UNC, Inflammation, food recalls, and sarcopenia

Speaker 3: Luigi Ferrucci, NIH (NIA), Age, inflammation, and gut dysbiosis

Speaker 4: Simin Meydani, Tufts, Vitamin E and T cell responses in the aged

Wednesday August 2

Morning Session

Session 6: Nutrition and neonatal immunity

Chair: Laxmi Yeruva, USDA

Speaker 1: Laxmi Yeruva, USDA, Human milk and immunity

Speaker 2: Sarah Comstock, Michigan State, Influence of specific human metabolizing gene patterns on the incidence of atopic disease in infancy

Speaker 3: TBD from abstracts

Speaker 4: Ardythe Morrow, Cincinnati Childrens Hospital, Exposure to human milk and enteric and respiratory infections in children 0-2 years of age

Evening Session

Session 7: Nutritional modulation of the brain-inflammation link

Chair: Isis Trujillo, UNC

Speaker 1: Isis Trujillo, UNC, Choline and brain inflammation during development

Speaker 2: TBD from abstracts

Speaker 3: Sharon Hunter, University of Colorado Denver, The interactions between choline and inflammation during pregnancy on child cognitive development

Speaker 4: Sophie Laye, Bordeaux, Brain inflammation, PUFAs, and behavior

Thursday August 3

Morning Session

Session 8: Obesity, diet and inflammation resolution

Chair: Arion Kennedy, NC State University

Speaker 1: TBD from abstracts

Speaker 2: Dan Winer, Buck Institute of Aging, Age-related dysfunction and T cell mediated immunity

Speaker 3: Raz Shaikh, UNC, Activation of an immunoresolvent axis improves glucose metabolism

Speaker 4: Arion Kennedy, NC State, T cells control liver inflammation in murine diet-induced NASH

Meet the Experts Session: Date to be determined

Career Development Session (Panel Discussion): Date to be determined