Joint PenNSAM and IFI Symposium:
Diet, Nutrition, and Immune Function in Human Health and Disease

June 18, 2019, Gaulton Auditorium, BRB II/III, 421 Curie Blvd, Philadelphia, PA

Goal of the symposium: To bring together the communities of investigators focused on nutritional science with those engaged in the study of immune function to facilitate discussion and explore opportunities to develop multidisciplinary research projects focused on diet, nutrition, and immune function in human health and disease.

(7:30-8:00) Breakfast and Registration

(8:00-8:10) Introductions: TBA

(8:10-9:00) Keynote: “Dietary Interventions, Metabolites, and the Risk for Disease”, Frank Hu, Fredrick J. Stare Professor of Nutrition and Epidemiology, Chair, Department of Nutrition, Harvard University

(9:00-10:00) Session 1: The Community at Penn Focused on Diet, Nutrition, and Immune Function
a) Overview of the Penn Center for Nutritional Science and Medicine (PenNSAM): Gary Wu
b) Overview of the Institute for Immunology (IFI): De’Broski Herbert
c) Human subject research in diet and nutrition: James Lewis
d) High dimensional analytics in nutrition research: Hongzhe Li

(10:00-10:15) Break

(10:15-11:15) Session 2: Diet and Immune Function in Humans
a) Integrated Immunometabolism in Obesity and Type 2 Diabetes: Anthony Ferrante (awf7@columbia.edu), Division of Preventive Medicine & Nutrition, Columbia University, New York
b) The fasting mimicking diet and health: Sebastian Brandhorst (brandhor@usc.edu), Longevity Institute, School of Gerontology, and Department of Biological Sciences, University of Southern California

(11:15-12:15) Session 3: Diet, the gut microbiome, and its metabolome in immune function
a) Immune Regulation by the Gut Microbiome: Nick Collins (nicholas.collins@nih.gov), Immunity at Barrier Sites Initiative, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD
b) Industrialization of our food supply and chronic inflammatory diseases—Why it matters: Andrew Gewirtz (agewirtz@gsu.edu), GSU.

(12:15-1:30) Lunch

(1:30-2:15) Panel Discussion on preventative nutrition and immune function--Opportunities for research projects. Tanja Kral, Matt Hayes, Mayaan Levy, Mike Silvermann, Christina Roberto, Virginia Stallings, and session 3 speakers

(2:15-3:45) Session 4: Medical nutrition
a) Food allergies: Jonathan Spergel, MD, PhD (SPERGEL@email.chop.edu) Chief of the Allergy Section at Children's Hospital of Philadelphia
b) Celiac sprue: Bana Jabri (bjabri@bsd.uchicago.edu), University of Chicago
c) Pharmacognosy and its potential role in critical care: Daren K. Heyland (dkh2@queensu.ca), Queen's University, Kingston

(3:45-4:00) Break

(4:00-4:45) Panel discussion on medical nutrition and Immune function--What is our current approach to diet and nutrition for patients at Penn and CHOP and opportunities for research projects. Charlene Compher, Babette Zemel, Octavia Pickett-Blakely, Noel Williams, Victoria Gershuni, Michael Abt, Joe Zackular and session 4 speakers

(4:45-5:00) Announcement of Abstract Awards and Closing remarks

(5:00-6:30) Posters, Wine, and Cheese