

The Hugh A. Sampson Food Allergy Lectureship

SATURDAY, MARCH 1

3:30 to 4:30 pm

Keynote

Convention Center, Ground Level, Hall C

Lecturer: Lewis Ziska, PhD

Effects of Climate Change on Plant Biology, Implications for Allergists and Allergy Patients

Hugh A. Sampson, MD, FAAAAI



Hugh A. Sampson, MD is the Kurt Hirschhorn Professor of Pediatrics, the Dean for Translational Biomedical Research and the Director of the Jaffe Food Allergy Institute at the Icahn School of Medicine at Mount Sinai in New York. Dr. Sampson has over 30 years' experience in translational research focusing on food allergic disorders and basic immunologic mechanisms responsible for these disorders. His research has been funded continuously by a number of grants from the National Institutes of Health/National Institute of Allergy and Infectious Diseases, including being the Principal Investigator for the Consortium for Food Allergy Research.

He has published over 450 articles, 80 book chapters and edited five books, primarily on clinical and immunopathogenic aspects of food allergic disorders and chaired working groups that produced standardized criteria for diagnosing anaphylaxis, the Practall guidelines for conducting double-blind placebo-controlled oral food challenges and the most recent Joint Council Practice Parameters on Food Allergy. Some of Dr. Sampson's accomplishments in research include being the first to describe food allergy as a trigger for eosinophilic esophagitis, to use foods under an IND in oral immunotherapy trials, the ability of most milk-allergic children to tolerate heat-denatured (baked) milk products, and among the first to clearly delineate the relationship of atopic dermatitis and food allergy.

He also co-developed novel approaches to therapy including Traditional Chinese medicine and mutated proteins with adjuvant. His laboratory also identified factors to improve food allergy diagnostics, such as the correlation between quantitative IgE levels and probability of allergic reactivity, and analysis of allergenic component proteins and epitopes. Thompson Reuters recognized Dr. Sampson as among the "World's Most Influential Scientific Minds 2014", a distinction indicating the top 1% of researchers with the most cited documents in their specific field. He was elected to membership in the Institute of Medicine of the National Academies in 2003 for his research accomplishments.

Dr. Sampson is past chair of the Section on Allergy & Immunology of the American Academy of Pediatrics and the past-president of the American Academy of Allergy, Asthma & Immunology (AAAAI). His service to the AAAAI also includes having been Chair of four Committees/Sections and membership on eight Sections, Committees or subcommittees.

Additional service to our specialty includes his being on the Editorial Board of five allergy Journals and serving 20 years on the JACI Editorial Board, being Chair of the Medical Advisory Board for FAAN/FARE for 25 years, and a Director on the American Board of Allergy and Immunology. Dr. Sampson is proud to have been a Training Program director for over 15 years, and mentoring over 30 trainees, many of whom are leaders in the field. Dr. Sampson is consistently recognized by Castle Connolly as among America's top doctors.

Lewis Ziska, PhD



Dr. Ziska is currently an Associate Professor in the Environmental Health Sciences at the Mailman School of Public Health at Columbia University. After graduating from the University of California, Davis, he began his career as a Smithsonian fellow, then was the Project Leader for global climate change at the International Rice Research Institute in the Philippines prior to a 25-year career at the USDA's Agricultural Research Service. He has worked extensively on documenting the impact of climate change and rising carbon dioxide levels on human health through a botanical lens, including allergies, nutrition, plant-based medicine and pesticide exposure. Dr. Ziska was a contributor to the 1995, 2001, 2007, 2014, 2022 International Panel on Climate Change (IPCC) reports. He was also a contributor to the 2014 and 2018 National Climate Assessment (NCA) (Public Health Chapter and Air quality chapter respectively); and helped lead the 2016 special NCA report on climate and health; The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment. His most recent book is: Greenhouse Planet: How Rising CO₂ changes Plants-and Life as we know it. Through Columbia University Press. (November 2022).