

The Isil Berat Barlan Memorial Lectureship (4th year)

FRIDAY, FEBRUARY 28

1:15-3:45 pm

Presidential Plenary: Environmental Influences on the Microbiome: Impact on Allergic Diseases

Convention Center, Ground Level, Hall C

Lecturer: Nikolaos (Nikos) Papadopoulos, MD, PhD, FRCP, FAAAAI, FEAACI

Climate Effects on the Lung Microbiome and Impact on Asthma: Innovative Solutions

Isil Berat Barlan, MD



Professor Dr. İşil Berat Barlan (1958-2015) was born in Trabzon, Turkey. She attended Robert College in Istanbul and received her medical degree from Istanbul University Cerrahpaşa Faculty of Medicine. She completed her residency in Pediatrics at Marmara University Faculty of Medicine, Istanbul. She trained in Allergy and Immunology first with Dr. Müjdat Başaran at Marmara University and later with Dr. Raif Geha at the Boston Children's Hospital. She went on to become the Chair of Pediatrics and the Chief of the Division of Pediatric Allergy and Immunology at Marmara University.

Professor Barlan was a visionary physician-scientist who made a profound impact on the science and health care delivery in Allergy and Immunology in Turkey and beyond. She was a highly productive investigator, with more than 120 peer-reviewed papers in international and national Journals. Critically, she engaged in building a research and academic infrastructure in Allergy and Immunology in Turkey, established enduring international collaborations and mentored a large number of investigators and practitioners in the field. Professor Barlan has made numerous key contributions to the field of allergy and immunology at large. In a series of highly cited papers, she established the efficacy of pharmacotherapy with intranasal steroids in allergic rhinitis and rhinosinusitis, and that of sublingual immunotherapy for allergic upper airway disease and asthma. She also pioneered combination subcutaneous and sublingual immunotherapy for allergic asthma.

Professor Barlan made critical contributions in the field of primary immunodeficiencies (PID). Professor Barlan actively engaged in national and international collaborations on the investigation, diagnosis and management of primary immunodeficiency diseases.

She played a critical role in studies that led to the identification of DOCK8 deficiency as the underlying cause of the autosomal recessive form of the hyper IgE syndrome as well as other novel immunodeficiencies.

The ambitious scope of Professor Barlan's studies was enabled by her creation of

productive research and training programs and community outreach efforts. She established the first Jeffrey Modell Center for Primary Immunodeficiency and the first International Patient Organization for Primary Immunodeficiencies chapter in Turkey, both placed at Marmara University.

A critical achievement of Dr. Barlan was her training of a large number of academic physician-scientists in allergy/immunology, with many of the trainees assuming leadership positions in Turkey and abroad. Professor Barlan had a particular interest in women advancement in science, an issue that she strongly advocated for in both national and international forums. She trained several women physician-scientists, who went on to lead their own programs in Allergy and Immunology. Professor Barlan was a member of the AAAAI, and an active participant and speaker at its annual meetings. She served on the executive committee of the European Academy of Allergy and Clinical Immunology (EAACI). She was the recipient of a number of awards, including the highly prestigious Sedat Simavi Prize in Turkey for her scientific contributions in the field of immunotherapy, as well as multiple prizes by the Turkish Society of Pediatrics, Marmara University Medical Faculty and Istanbul Provincial Directorate for her medical research and clinical excellence.

Nikolaos (Nikos) Papadopoulos, MD, PhD, FRCP, FAAAAI, FEAACI



Nikolaos (Nikos) Papadopoulos is Professor of Allergy & Pediatric Allergy and Head of the Allergy Department, 2nd Pediatric Clinic, University of Athens; he also holds Honorary Professorships at the University of Manchester, UK and at OPRI, Singapore.

His work has focused on the role of microbes on allergic inflammation, on interactions with other environmental determinants, including food, and finally the use of real-world evidence in supporting clinical practice. He has supervised > 20 PhDs, organized >100 educational events, national, regional and global, and has trained doctors in the clinic and researchers in the lab. He is invited speaker at international events >30 times a year.

He has participated and led several high-impact EU research projects, such as GA2LEN, PreDicta, CURE and SynAir-G, for over two decades. He has actively served many international societies, most notably EAACI (President 2013-2015), the Respiratory Effectiveness Group (REG, President 2018-2020) and is currently a Board Member of WAO.

He has published over 500 papers, with >60000 citations and an h-index>110 and has received several international awards. He is Editor-in-Chief of *Frontiers in Allergy*. Currently he is exploring the role of the respiratory virome in asthma, evaluating potential interventions against indoor air pollutants at schools, trialling new interventions in food

allergy, while he is leading PeARL (Pediatric Asthma in Real-Life), a think tank that aims to optimize pediatric asthma management.