

The Robert A. Cooke Memorial Lectureship

MONDAY, MARCH 3

9:30 - 11:00 am

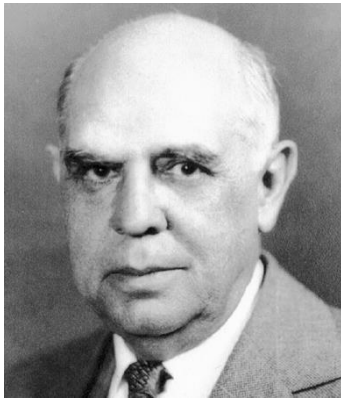
Changes to Asthma Management in an Ever-Changing World

Convention Center, Ground Level, Hall C

Lecturer: Adnan Custovic, MD, PhD, FAAAAI

Leveraging Artificial Intelligence for Asthma Research and Clinical Care in the United States and the World: The Good, the Bad and the Ugly

Robert A. Cooke, MD



Robert Anderson Cooke, MD was born in Holmdel, New Jersey in 1880, a descendant of three generations of physicians. He received his M.D. from Columbia University in 1904 and subsequently interned at Presbyterian Hospital. It was his own allergy to stable dusts, pollens and later horses that led him into this particular field. As an intern, he nearly died from an anaphylactic shock induced by an injection of diphtheria antitoxin.

In 1919, he founded the first allergy clinic which was then located at New York Hospital and was later moved to Roosevelt Hospital in June 1932. He was a founder of one of the two parent societies of the American Academy of Allergy in 1925 (also serving as the first President) and the New York Allergy Society in 1937. Additionally, he was the founding editor of the *Journal of Allergy* (now the JACI) in 1929. Throughout his medical life, he was primarily interested in the study and treatment of allergic diseases and is generally considered the father of allergy as a medical specialty. He was the author of approximately 200 scientific papers, most of which dealt with immunologic and allergic diseases. By the time he died in 1960, his influence on the teaching and practice of allergy was being furthered by the more than fifty residents and fellows he trained.

His work included not only the practical treatment of patients, but numerous fundamental contributions to the immunology of allergy. Among his outstanding contributions were studies of heredity in asthma and hay fever (1914), recognition of house dust as an allergen (1921), the immunologic relationship of naturally acquired and artificially induced sensitization (1929), demonstration of blocking antibody developed as a result of injection treatment (1935) and observations regarding skin sensitizing antibody.

The Alumni of the R. A. Cooke Institute of Allergy at St. Luke's Roosevelt Hospital Center are privileged to sponsor this lectureship which the AAAAI has established in perpetuity in the memory of an inspiring physician who has played a critical role in the development of the medical specialty of allergy and immunology

Adnan Custovic, MD, PhD, FAAAAI



Adnan Custovic MD, PhD, FAAAAI is Professor of Pediatric Allergy at Imperial College London. His research has focused upon the origins and natural history of asthma and allergy across the life-course. He pioneered the use of data-driven methodologies in the analysis of complex data, including some of the first uses of machine learning in respiratory medicine/allergy.

In 2020, he was elected to the Fellowship of the UK Academy of Medical Sciences. In 2023 he was elected as EAACI Fellow (FEAACI). He was elected as NIHR Senior Investigator in 2023. In 2021, he was awarded a Fellowship of the Association of Physicians of Great Britain and Ireland (FaOP). In 2015 he was awarded ERS Gold Medal for research in asthma. In 2013 he received the BSACI William Frankland Medal for outstanding contributions to clinical allergy in the UK. He delivered numerous prestigious keynote/named lectures. He published >450 papers in peer-reviewed journals, with >58,000 citations and h-index of 113.

He serves at the Board of Directors of the World Allergy Organization and has served as a Secretary of the BSACI for two terms, and as President of Asthma section of the EAACI.

He has supervised 19 PhD/MD students to completion.