

The Robert A. Cooke Memorial Lectureship



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.

This is the 57th Cooke lecture presented at an AAAAI Annual Meeting. It will be presented in Keynote 2701: Constructing Individualized Health Course Trajectories to Construct Better Models of Asthma and Other Immune/Inflammation Disorders on Saturday, February 23, 2019: 3:30 PM - 4:30 PM, Moscone Center South, Hall A

The Robert A. Cooke Memorial Lecturer – Dr. Eric Schadt



Eric Schadt, Ph.D., is founder and CEO of Sema4, a patient-centered predictive health company built on the idea that more information, deeper analysis, and increased engagement will improve the diagnosis, treatment, and prevention of disease. Dr. Schadt also serves as the Dean for Precision Medicine and Mount Sinai Professor in Predictive Health and Computational Biology at the Icahn School of Medicine at Mount Sinai. He was previously Founding Director of the Icahn Institute for Genomics and Multiscale Biology, and Professor and Chair of the Department of Genetics and Genomic Sciences.

Dr. Schadt is an expert on constructing predictive models of disease that link molecular biology to physiology to enable clinical medicine. Over the past 20 years, he has built groups and companies (Merck, Rosetta, Sage Bionetworks, Pacific Biosciences, Icahn Institute, and now Sema4) to elucidate the complexity of human diseases. He has published more than 350 peer-reviewed papers in leading scientific journals and contributed to discoveries relating to the genetic basis of common human diseases such as diabetes, obesity, and Alzheimer's disease. Now, with the innovative Sema4 Health Intelligence Platform, Dr. Schadt is using advanced network analysis to build better models of human health and deliver personalized insights for patients.