

SHORT BIO

Dr. Massaad graduated with a B.Sc. and M.Sc. degree from AUB (1992-1996), and with the degree of Doctor of Philosophy (Ph.D.) in Biochemistry from McGill University (1997-2004). He then completed a one-year post-doctoral training in Biochemistry at McGill University (2004), and five years of post-doctoral training in Immunology at Boston Children's Hospital and Harvard Medical School in Massachusetts (2004-2009), where he was then appointed as Instructor of Pediatric Immunology and Staff Scientist from 2009 to 2017. By Jan 2018, he transferred to the American University of Beirut as an Assistant Professor of Experimental Pathology, Immunology and Microbiology.

RESEARCH INTERESTS

He is an Immunologist specialized in studying Primary Immunodeficiency Diseases (PIDs), which are genetic disorders that affect the development and/or function of the immune system, resulting in susceptibility to fatal infections that are otherwise cleared by healthy individuals. He uses genetic and functional approaches to identify the basis of PIDs, with the aim of diagnosing the patients, understanding the molecular basis of the disease, and identifying the role of the gene in the function of the immune system. Once the molecular basis of the disease is identified, the information is used for the treatment of the patients and to deepen our understanding of the functional defects that result in PID.

TEACHING INTERESTS

General Immunology with special focus on Primary Immunodeficiency Disorders.

AWARDS

He has been awarded the Boston Children's Hospital Investigatorship Award on yearly basis since 2015