

Ramnik Xavier

AOCC CV

Ramnik Xavier is a core institute member of the Broad Institute of MIT and Harvard, where he serves as director of the Klarman Cell Observatory. He is also director of the Broad's Immunology Program and co-director of the Broad's Infectious Disease and Microbiome Program. He is the Kurt J. Isselbacher Professor of Medicine at Harvard Medical School; director of the Center for Computational and Integrative Biology and professor in the Department of Molecular Biology at Massachusetts General Hospital (MGH); and co-director of the Center for Microbiome Informatics and Therapeutics at MIT.

His laboratory focuses on systematic characterization of genetic variants to understand the regulation of barrier defense, innate and adaptive immunity; chemical biology to control cellular disease phenotypes suggested by human genetics; molecular mechanisms to determine roles of the microbiome in health and disease; and development of computational approaches to uncover patterns of human and microbial pathway regulation during disease and treatment.