Meet The Investigator

Stephanie Dougan, Ph.D.  
Assistant Professor of Cancer Immunology and Virology, Dana-Farber Cancer Institute  
Assistant Professor of Immunology, Harvard Medical School  
Dr. Stephanie Dougan is an immunologist whose lab studies mechanisms of resistance in poorly immunogenic tumors and ways to augment anti-tumor immunity. She integrates unique mouse models and human translational research.

Michael Dougan, M.D., Ph.D.  
Assistant Professor of Medicine, Harvard Medical School, Director of the Gastroenterology Center for Cancer Complications at MGH and a member of the Gastroenterology Division at MGH.  
Dr. Michael Dougan is an immunologist and gastroenterologist who has built a translational research program focused on the inflammatory toxicities of cancer immunotherapies, with an emphasis on colitis. He also cares about medical education and leads the Pathways program at MGH and is a course director for Foundations Immunology.

Christopher A. Walsh, M.D., Ph.D.  
Investigator, Howard Hughes Medical Institute  
Chief, Division of Genetics and Genomics, Boston Children's Hospital  
Bullard Professor of Pediatrics and Neurology, Harvard Medical School  
Dr. Chris Walsh is a neurologist whose lab studies genes and mechanisms that regulate the development of the human cerebral cortex. The lab has identified dozens of genes responsible for human developmental brain diseases like epilepsy, autism and intellectual disability, and have found that a few of these genes were targets of the evolutionary processes that shaped the human cortex.

Kathleen H. Burns, M.D., Ph.D.  
Professor of Pathology, HMS; Chair of Pathology, DFCI; Pathologist, BWH  
Dr. Burns is a practicing pathologist and physician-scientist whose research is focused on highly repetitive sequences in the human genome and on the transposable elements that give rise to these sequences. Her group was one of the first to map transposable element insertions in the human genome and to describe the abnormal expression and activity of LINE-1 retrotansposon in cancers.

Pratiti (Mimi) Bandopadhayay, MBBS, Ph.D.  
Pediatric Neuro-Oncologist and Scientist, DFCI/Children’s Cancer and Blood Disorders Center; Assistant Professor of Pediatrics at HMS  
The Bandopadhayay Lab applies genomic approaches to identify drivers of pediatric brain tumors, identify treatment strategies and characterize resistance mechanisms to cancer therapeutics.

Ziv Williams, M.D.  
Associate Professor, HMS; faculty HST Neuroscience and the MGH-HMS Center for Nervous System Repair  
The Williams Lab’s focus is to probe the mechanisms by which complex cognitive processes are computed by neurons in the mammalian brain and to investigate new approaches for reconstituting neural function in areas disrupted within the CNS.