Harvard/MIT MD-PhD Program Presents:
Meet the Investigator Series

David Miyamoto, M.D., Ph.D.
Assistant Professor of Radiation Oncology, Massachusetts General Hospital

The Miyamoto laboratory focuses on the discovery and development of novel biomarkers to guide the personalized treatment of patients with prostate cancer. We focus on two general classes of biomarkers, namely those based on the molecular profiles of tumor biopsies, and those based on circulating tumors cells (CTCs) in the blood that can be sampled non-invasively and repeatedly.

Chinfei Chen, M.D., Ph.D.
Associate Professor of Neurology, Boston Children's Hospital

The goal of our laboratory is to understand the mechanisms that underlie synaptic and circuit plasticity in the developing and mature mammalian central nervous system. We are particularly interested in how plasticity influences the function of the thalamus, a subcortical region of the brain that is responsible for the processing of sensory information as it is transmitted to the cortex.

David Page M.D.
Professor of Biology, Massachusetts Institute of Technology; Director, Whitehead Institute

Our long-term objective is to understand the genetic differences between males and females, both within and beyond the reproductive tract, and ultimately the biological and medical ramifications of these differences. We aim to understand these differences and ramifications in broad context, through comparative biological, evolutionary, developmental, and clinically focused analyses.

Kerry Ressler M.D., Ph.D.
Chief Scientific Officer & James and Patricia Poitras Chair in Psychiatry, McLean Hospital; Professor of Psychiatry, Harvard Medical School

Dr. Ressler's lab focuses on translational research bridging molecular neurobiology in animal models with human genetic research on emotion, particularly fear and anxiety disorders. He has published over 225 manuscripts ranging from basic molecular mechanisms of fear processing to understanding how emotion is encoded in a region of the brain called the amygdala, in both animal models and human patients.

Volney Sheen, M.D., Ph.D.
Associate Professor of Neurology, Beth Israel Deaconess Medical Center

Our laboratory has two central areas of investigation:
1. Generation and characterization of ventricular zone-derived human neural stem cells from developmental disorders of the central nervous system.
2. Study of inherited disorders of cortical development, resulting from disruption of developmental processes along the ventricular zone.
Meet the Investigator Series

Anna Greka, M.D., Ph.D.
Assistant Professor of Medicine, Harvard Medical School; Institute Member, Broad Institute; Associate Physician, Renal Division, BWH; Director, Kidney-NExT, BWH and HMS

The Greka laboratory studies mechanisms of cell survival and metabolic regulation, with an emphasis on calcium signaling and transient receptor protein (TRP) ion channel biology. Dr. Greka’s laboratory also directs its efforts toward understanding the mechanisms linking calcium signaling to disrupted cellular metabolism.

Tues. 5/22/18, 12:30 PM TMEC 333

David S. Jones, M.D., Ph.D.
A. Bernard Ackerman Professor of the Culture of Medicine, Harvard University/Harvard Medical School

Dr. Jones has worked on epidemics among American Indians, human subjects research, Cold War medicine, HIV, and cardiac care. He has published multiple books, including Broken Hearts: The Tangled History of Cardiac Care, What’s the Use of Race? Modern Governance and the Biology of Difference, and Rationalizing Epidemics: Meanings and Uses of American Indian Mortality since 1600. He is currently at work on three projects. The first, supported by a grant from the National Library of Medicine, traces the pre-history of cardiac revascularization in order to understand the meaning of efficacy in surgical practice. The second, supported by a grant from the National Endowment for the Humanities, examines the history of heart disease and cardiac therapeutics in India. The third, supported by the Harvard Global Institute, explores the history of air pollution and heart disease, with a focus on India.

Tues. 6/19/18, 12:45 PM TMEC 128