David Breault, M.D., Ph.D.  
Associate Professor of Pediatrics, Boston Children's Hospital

Our laboratory is focused on identifying mechanisms underlying tissue homeostasis in self-renewing tissues, such as intestine, adrenal gland, bone. Specifically, we are pursuing the hypothesis that telomerase expression is a biomarker for self-renewing progenitor/stem cells.

Clifford Saper, M.D., Ph.D.  
James Jackson Putnam Professor of Neurology, Harvard Medical School; Chair, Department of Neurology, Beth Israel Deaconess Medical Center

The focus of the Saper laboratory is on the integrated functions maintained by the hypothalamus, particularly regulation of wake-sleep cycles and circadian rhythms, including body temperature, locomotor activity, feeding, and corticosteroids. The goal of our laboratory is to identify the neuronal circuitry that is involved in regulating these responses.

David Pellman, M.D.  
Margaret M. Dyson Professor of Pediatric Oncology; Professor of Cell Biology, Harvard Medical School; Investigator, Howard Hughes Medical Institute

Our laboratory uses a combination of genetics, biochemistry and live-cell imaging to study cell division and the maintenance of genome stability. Projects are aimed at defining the molecular mechanisms underlying polarized morphogenesis and understanding how changes in chromosome number (ploidy) affect genome stability.

Paul Farmer, M.D., Ph.D.  
Kolokotrones University Professor of Global Health and Social Medicine; Head of the Department of Global Health and Social Medicine, Harvard Medical School

Dr. Farmer and his colleagues in the U.S. and abroad have pioneered novel, community-based treatment strategies that demonstrate the delivery of high-quality health care in resource-poor settings in the U.S. and other countries. Dr. Farmer also has written extensively on health and human rights, about the role of social inequalities in the distribution and outcome of infectious diseases, and about global health.