

Robert Sackstein, M.D., Ph.D., is a bone marrow transplant physician and basic scientist who performs glycoscience-based bench research inspired by medical necessity. He received his undergraduate degree from Harvard College, Summa cum Laude in Biology, and his M.D. and Ph.D. (in Immunology) degrees from Harvard Medical School, where he also received the James Tolbert Shipley Prize for outstanding research. He then completed internal medicine training and fellowships in immunology and hematology at the University of Miami, and received the Young Investigator Award for Excellence in the Field of Hematology from the International Society for Experimental Hematology. Dr. Sackstein's efforts as a scientist and clinician are intimately intermeshed. He is an immunologist/cell biologist/biochemist with clinical expertise in internal medicine/hematology/immunology and, in particular, in hematopoietic stem cell transplantation (HSCT). His bench research efforts aim to elucidate biologic processes critical to improving outcomes for patients undergoing stem cell transplantation. In particular, Dr. Sackstein's research efforts have defined many of the molecular effectors of adult stem cell and leukocyte migration. He is widely recognized for developing a platform glycoengineering technology (known as "GPS") for programming cellular migration to sites of tissue injury. He is a Bone Marrow Transplant Physician at Brigham and Women's Hospital and the Dana-Farber Cancer Institute, and is on the faculty of the Harvard Medical School and of the Massachusetts Institute of Technology, where he also serves as the Co-Director of the Graduate Education in Medical Sciences (GEMS) Program. Dr. Sackstein also directs the Program of Excellence in Glycosciences at the Harvard Medical School.