BONE MARROW HEMATOPOIETIC STEM CELL NICHES

PRESENTED BY
Paul S. Frenette, MD
Professor, Department of Medicine (Hematology)
Professor, Department of Cell Biology
Chair & Director, The Ruth L. and David S. Gottesman Institute for Stem Cell & Regenerative Medicine Research
Albert Einstein College of Medicine

MONDAY
SEPTEMBER 18, 2017
3:00 - 4:00 PM
RECEPTION TO FOLLOW

NEW YORK BLOOD CENTER
MURRAY SARGENT AUDITORIUM
310 EAST 67TH STREET
NEW YORK, NY
WELCOME
Mohandas Narla, DSc

Vice President of Research
New York Blood Center

ALEXANDER S. WIENER LECTURE
Bone Marrow Hematopoietic Stem Cell Niches

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Q&A SESSION
Paul S. Frenette, MD

AWARD PRESENTATION
Christopher D. Hillyer, MD
Mohandas Narla, DSc

RECEPTION
Lower Level Conference Room
PAUL S. FRENETTE, MD

Paul Frenette is the founding Director and Chair of the Ruth L. and David S. Gottesman Institute for Stem Cell and Regenerative Medicine at Albert Einstein College of Medicine. His research interests have focused on the stem cell microenvironments in health and cancer, and the vascular biology in sickle cell disease. His laboratory has uncovered the critical role of the sympathetic nervous system in the regulation of hematopoietic stem cell (HSC) egress from their niches, in the pathogenesis of acute myeloid leukemia, and in the invasion and metastatic spread of prostate cancer.

He also elucidated circadian rhythmicity in stem cell release from the bone marrow, and identified cellular constituents forming niches in the bone marrow, which may impact stem cell therapy. Studies from his laboratory have also shown that neutrophils were key participants in the vaso-occlusive episodes that characterize sickle cell disease and defined the molecular mechanisms.

Dr. Frenette was elected member of the American Society for Clinical Investigation (2004) and of the Association of American Physicians (2010). He has served on the editorial boards of Blood, the JCI, Stem Cell Report, Oncogene, the Medical Advisory Board of the New York Stem Cell Foundation, as chair of a scientific committee of the American Society of Hematology, and on the Sickle Cell Advisory Council of National Heart, Lung, and Blood Institute and multiple other panels at the NIH. He served as President of the International Society of Experimental Hematology (ISEH) in 2015.
Dr. Alexander Solomon Wiener is recognized internationally for his significant contributions to medicine. He was an outstanding leader in the fields of forensic medicine, serology, and immunogenetics. His pioneering work with Dr. Karl Landsteiner led to the discovery of the Rh factor in 1937, and subsequently to the development of exchange transfusion methods that saved the lives of countless infants with hemolytic disease of the newborn. Dr. Weiner was a Professor in the Department of Forensic Medicine at New York University School of Medicine and Serologist in the office of the Chief Medical Examiner of New York. He was the recipient of numerous honors, including the Lasker Public Service Award, Passano Award, Karl Landsteiner Award, and Kennedy International Award. Dr. Wiener died on November 6, 1976. The Alexander S. Wiener Lecture is dedicated in his memory.

WIENER LECTURERS

1977    Sir John Dacie                        1997    Gerald R. Crabtree
1979    Elvin A. Kabat                      1999    Thomas P. Stossel
1981    Fred H. Allen, Jr.                   2001    Irving L. Weissman
1983    Ralph L. Nachman                    2003    Kenneth Kaushansky
1984    D. Bernard Amos                     2004    Zena Werb
1985    Saul Krugman                        2006    Barry S. Coller
1986    James E. Maynard                    2007    Paul Nurse
1988    Yale Nemerson                       2008    Ralph M. Steinman
1990    Patrick Mollison                    2010    Douglas R. Higgs
1991    George Garratty                     2011    Nancy C. Andrews
1992    Jean-Pierre Cartron                 2012    George Q. Daley
1993    Jack L. Strominger                  2013    Griffin P. Rodgers
1994    Richard Klausner                    2014    Colleen Delaney
1995    Flossie Wong-Stahl                  2015    Cynthia E. Dunbar
1996    Judah Folkman                       2016    Kanti R. Rai