Name	Cynthia E Dunbar, MD
Current Position & Affiliation	NIH Distinguished Investigator, NHBLI, NIH
Country	USA
Major Field	Hematology

Educational Background

1976-1980	**BA** - Harvard University*; magna cum laude* in History of Science
1980-1984	**MD** - Harvard Medical School*; magna cum laude*
1984-1987	**Residency** in Internal Medicine; Boston City Hospital, Boston, MA
1987-1990	**Medical Staff Fellow**, Clinical Hematology Branch, NHLBI, NIH, Bethesda, Maryland (post-doctoral training in the laboratory of Dr Arthur Nienhuis)
1990-1991	**Fellow** in Hematology, University of California, San Francisco, CA

Professional Experience

1991-1996	*Senior Clinical Investigator (tenure-track),* Hematology Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD
1993-2007	*Director,* Clinical Hematology Fellowship Program, Hematology Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD
1996-present	*Senior Investigator (tenured),* Hematology Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD
2018-present	*Chief*, Translational Stem Cell Biology Branch, National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD
2019-present	NIH Distinguished Investigator (designation for top 5% of tenured investigators within the NIH intramural program)

Other Experience and Professional Memberships

2004-present	*Treasurer, Councilor, Chair*; NIH Assembly of Scientist (faculty Senate)
2007-2013	*Editor-in-Chief, Blood*, published by the American Society of Hematology, Washington, DC
2014-2017	*Vice-President, President-Elect, President*; American Society of Gene and Cell Therapy
2016-2020	*Councilor,* American Society of Hematology
2020-2024	*Secretary*, American Society of Hematology
2020-present	*Member*, National Academy of Medicine
2022-present	*Fellow*, American Association for the Advancement of Science
2025-2027	*Vice-President, President-Elect,* President; American Society of Hematology

Main Scientific Publications (focus on recent and corresponding author papers)

Lin Y, Sato N, Hong SH, et al, Long-term engraftment and maturation of autologous iPSC-derived cardiomyocytes in two rhesus macaques. Cell Stem Cell, 31:974-988, 2024. doi: 10.1016/j.stem.2024.05.005

Lee B-C, Gin A, Wu C, et al. Impact of CRISPR/HDR editing versus lentiviral transduction on long-term engraftment and clonal dynamics of HSPCs in rhesus macaques. Cell Stem Cell, 31: 1-12, 2024. doi: 10:1016/j.stem.2024.022010

Wu C, Espinoza DA, Koelle SJ, et al. Clonal expansion and compartmentalized maintenance of rhesus macaque NK cell subsets. Science Immunology, 3: eaat9781, 2018, doi: 10.1126/sciimmunol.aat9781

Kim MY, Yu K-R, Kenderian SS, et al. Engineering the human hematopoietic system to enable antigen-specific targeting of acute myeloid leukemia. Cell 173: 1439-1453, 2018.

Dunbar CE, High KA, Joung JK, Kohn DB, Ozawa K, Sadelain M. Gene therapy comes of age. Science, 359: eean4672, 2018.

Hong SG, Winkler T, Wu C, et al. Path to the clinic: Assessment of iPSC-based cell therapies *in vivo* in a non-human primate model, Cell Reports, 7:1298-309, 2014.

Wu C, Li B, Lu R, Koelle SJ, et al. Clonal tracking of rhesus macaque hematopoiesis highlights a distinct lineage origin for natural killer cells. Cell Stem Cell, 14: 486-99, 2014.

Olnes MJ, Scheinberg P, Calvo KR, et al. Eltrombopag and improved hematopoiesis in refractory aplastic anemia. New Eng J Med, 367: 11-19, 2012.