BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME	POSITION TITLE
LEONORE A. HERZENBERG	**PROFESSOR (RESEARCH)**

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Brooklyn College		1952-1953	
Pamona College		1953-1954	
California Institute of Technology*		1954-1955	
U.S. Department of Agriculture Graduate School		1958	
University Paris V (Sorbonne)	Doctorate d'Estes – Science	1979-1981	Equiv. D.Sc.-Immunology

***Not matriculated due to gender exclusion**

A. Experience

1953 Research Assistant, Biology Department, California Institute of Technology, Pasadena, California (Dr. Albert Tyler, Supervisor)
1955 Research Assistant, Pasteur Institute, Paris, France (Dr. Leonard A. Herzenberg, supervisor)
1957 Research Assistant, National Institutes of Health, Bethesda, MD (Dr. Bruce Ames, supervisor)
1959 Research Assistant, Genetics Department, Stanford University Medical School, Stanford, Calif. (Dr. Leonard A. Herzenberg, supervisor)
1962 Research Assistant, Genetics Department and Gynecology and Obstetrics Department, Stanford University Medical School (Dr. Leonard A. Herzenberg and Robert Goodlin, supervisor)
1963 Senior Research Assistant same
1967 Research Associate same
1973 Research Associate, Genetics Dept., Stanford University (Dr. Leonard A. Herzenberg, supervisor)
1975 Senior Research Associate same
1989 Professor of Genetics (Research), Dept. of Genetics, Stanford University

Honors

American Cancer Society-Eleanor Roosevelt Cancer Fellowship, 1986
American Association of Immunologists, Member
Genetics Society of America, Member
The American Association of Immunologists, Committee - Minority Affairs, 1993-96
Midwinter Conference of Immunology: Member, Governing Council, 1982-85, 1987-90; Workshop Organizer, 1974, 1976; Co- Chair, 1984 meeting, "B Cell Regulation and Development"
International Congress of Immunology: Symposium Chair & Speaker, 1986; Symposium speaker, 1983, 1989.
FASEB: Symposium Chair, 1987 New York Academy of Sciences: Principal Organizer & Co-chair, 1991 meeting, "CD5 B Cells in Development and Disease"
"Frontiers in Immunology '95" (Symposium honoring Leonore A. Herzenberg), February 10-11, 1995.
The ComputerWorld Smithsonian Award, June 4, 1996, "*for Heroic Achievement in Information Technology this Award [was] presented to the Herzenberg Lab, Dept. of Genetics, Stanford, in recognition of your (principally Leonore Herzenberg and Wayne Moore Visionary use of Information Technology in the field of Medicine*."

Advisory/Boards:

Research Institute for Biological Sciences (RIBS), Noda City, Japan, 1996-present
Chiba University School of Medicine, Chiba, Japan, 1997-present.
Medinox, San Diego, California, 1997-present.

Editorial

Journal of Immunology, Editor, 1976, 1977, 1979
International Immunology, Editorial Board and Founding Editor, 1988-present
Annals de l'Institut Pasteur Immunologie, Editorial Committee, 1984-1990.
Handbook of Experimental Immunology: Contrib., 2nd/3rd Ed.; Co-Editor, 4th Ed.; Lead Editor, 5th Ed., 1987-97.

B. Publications (21 out of over 450)

Yang Y, Contag CH, Felsher D, Shachaf CM, Cao Y, **Herzenberg LA**, Tung JW: The E47 transcription factor negatively regulates CD5 expression during thymocyte development. *Proc Natl Acad Sci U S A* 2004, 101(11):3898-3902

Tung JW, Parks DR, Moore WA, **Herzenberg LA**: New approaches to fluorescence compensation and visualization of FACS data. *Clin Immunol* 2004, 110(3):277-283.2.

Tung JW, Parks DR, Moore WA, **Herzenberg LA**: Identification of B-Cell Subsets: An Exposition of 11-Color (Hi-D) FACS Methods. In: *Methods Mol Biol.* vol. 271; 2004: 37-58.

Herzenberg LA, **Herzenberg LA**: Genetics, FACS, Immunology, and Redox: A Tale of Two Lives Intertwined. *Annu Rev Immunol* 2004, 22:1-31.

De Rosa SC, Andrus JP, Perfetto SP, Mantovani JJ, Herzenberg LA, **Herzenberg LA**, Roederer M: Ontogeny of {gamma}{delta} T Cells in Humans. *J Immunol* 2004, 172(3):1637-1645.

Borghesi L, Hsu LY, Miller JP, Anderson M, **Herzenberg L**, Schlissel MS, Allman D, Gerstein RM: B Lineage-specific Regulation of V(D)J Recombinase Activity Is Established in Common Lymphoid Progenitors. *J Exp Med* 2004, 199(4):491-502.

Sahaf B, Heydari K, **Herzenberg LA**, Herzenberg LA. Lymphocyte surface thiol levels. *Proc Natl Acad Sci U S A* 2003;100(7):4001-5.

Tsuji R.F., Szczepanik M., Kawikova I., Paliwal V., Campos R.A., Itakura A., Akahira-Azuma M., Baumgarth N., **Herzenberg L.A.** & Askenase P.W. (2002) B Cell-dependent T Cell Responses: IgM Antibodies Are Required to Elicit Contact Sensitivity. *J Exp Med*, **196,** 1277.

Perez O.D., Nolan G.P., Magda D., Miller R.A., **Herzenberg L.A.** & Herzenberg L.A. (2002) Motexafin gadolinium (Gd-Tex) selectively induces apoptosis in HIV-1 infected CD4+ T helper cells. *PNAS*, **99,** 2270.

Lu L.-S., Tung J., Baumgarth N., Herman O., Gleimer M., Herzenberg L.A. & **Herzenberg L.A.** (2002) Identification of a germ-line pro-B cell subset that distinguishes the fetal/neonatal from the adult B cell development pathway. *PNAS***,** 052715399.

Herzenberg L.A., Parks D., Sahaf B., Perez O., Roederer M. & **Herzenberg L.A**. (2002) The History and Future of the Fluorescence Activated Cell Sorter and Flow Cytometry: A View from Stanford. *Clin Chem*, **48,** 1819.

Tung J.W., Kunnavatana S.S. & **Herzenberg L.A.** (2001) The regulation of CD5 expression in murine T cells. *BMC Mol Biol*, **2,** 5.

Roederer M., Moore W.A., Treister A., Hardy R.R. & **Herzenberg L.A.** (2001) Probability binning comparison: a metric for quantitating multivariate distribution differences. *Cytometry*, **45,** 47.

Roederer M., Treister A., Moore W.A. & **Herzenberg L.A.** (2001) Probability binning comparison: A metric for quantitating univariate distribution differences. *Cytometry*, **45,** 37.

Nakamura H., **Herzenberg L.A.**, Bai J., Araya S., Kondo N., Nishinaka Y., Herzenberg L.A. & Yodoi J. (2001) Circulating thioredoxin suppresses lipopolysaccharide-induced neutrophil chemotaxis. *PNAS*, **98,** 15143.

Nakamura H., De Rosa S.C., Roederer M., Yodoi J., Holmgren A., **Herzenberg L.A**. & Herzenberg L.A. (2001) Chronic elevation of plasma thioredoxin: inhibition of chemotaxis and curtailment of life expectancy in AIDS. *Proceedings of the National Academy of Sciences*, **98,** 26885.

Mengozzi M., Malipatlolla M., De Rosa S.C., **Herzenberg L.A.** & Roederer M. (2001) Naive CD4 T cells inhibit CD28-costimulated R5 HIV replication in memory CD4 T cells. *Proc Natl Acad Sci U S A*, **98,** 11644.

De Rosa S.C., Mitra D.K., Watanabe N., **Herzenberg L.A.** & Roederer M. (2001) gdelta1 and gdelta2 gammadelta T cells express distinct surface markers and might be developmentally distinct lineages. *J Leukoc Biol*, **70,** 518.

De Rosa S.C., **Herzenberg L.A.**, Herzenberg L.A. & Roederer M. (2001) 11 color, 13 parameter Flow Cytometry: Identification of naive T cells by phenotype, function and T cell receptor. *Nature Medicine*, **7,** 245.

Torres-Roca J.F., Tung J.W., Greenwald D.R., Brown J.M., **Herzenberg L.A.** & Katsikis P.D. (2000) An early oxygen-dependent step is required for dexamethasone-induced apoptosis of immature mouse thymocytes. *J Immunol*, **165,** 4822.