

CURRICULUM VITAE

Personal Data:

Gordon Hisashi Sato

Born: December 17, 1927 in Los Angeles, California

Social Security No.: 481-26-5006

Present Address: White Chimneys

Lake Placid, New York 12946

Telephone: (518) 523-1253 (Office)

(518) 523-4360 (Home)

Academic and Professional Training:

Manzanar High School, Manzanar, California, 1944

Central College, Pella, Iowa, 1944

B.A. University of Southern California, in Biochemistry, 1951

Ph.D. California Institute of Technology, in Biophysics, 1955

Research and Professional Experience:1953 - 1955 Teaching Assistant, Microbiology, California
Institute of Technology

1956 - Junior Research Virologist, University of California

1956 - 1958 Instructor, Molecular Genetics, University of
Colorado Medical School1958 - 1963 Assistant Professor, Graduate Department of
Biochemistry, Brandeis University, Waltham, MA1963 - 1968 Associate Professor, Graduate Department of
Biochemistry, Brandeis University, Waltham, MA1968 - 1969 Professor, Graduate Department of Biochemistry,
Brandeis University, Waltham, MA1969 - 1983 Professor, Biology Department, University of
California, San Diego, CA1983 - present Director, W. Alton Jones Cell Science Center, Inc., Lake
Placid, NYCommittees:Study Section Panel Member (Molecular Biology), NIH, 1968-1973
Breast Cancer Task Force, NIH, 1970-1974

Committees: (Continued)

Molecular Biology Study Section, 1965-1970
Council for Tobacco Research
Editorial Board of the Journal, Experimental and Molecular Pathology
Associate - Helicon Foundation
Adjunct Faculty Status, In Vitro Cell Biology and Biotechnology Program
(organized by State University College at Plattsburgh and W.H. Miner
Agricultural Research Institute)
Honorary Professor, Tsing-Hua University, Beijing, China
Member, Committee of Models for Biomedical Research
Editorial Board - In Vitro

Professional Societies:

Sigma Xi, 1955
Endocrine Society
Tissue Culture Association - President Elect (eff. 1984)
International Cell Research Organization
American Society of Biological Chemists

Honors:

American Academy of Arts and Sciences, Fellow
National Academy of Sciences
Edwin J. Cohn Lecturer, Harvard
Invited speaker, 50th Anniversary of the California Institute of Technology
Rosenstiel Award of 1982

General Research Interests:

We have developed a hypothesis that the serum in cell culture provides hormones. We are engaged in replacing the serum in the culture medium of various cell lines with complex mixtures of hormones.

We are also developing monoclonal antibodies to hormone receptors which can replace the hormones. This should have wide application in pharmacology and basic studies of hormone action.

Publications:

Sato, G.H. 1956. Activation of bacteriophage by urea. Science 123:891-892.

Sato, G.H., H. Fisher and T.T. Puck 1957. Molecular growth requirements of single mammalian cells. Science 126:961-964.

Fisher, H.W., T.T. Puck and G. Sato 1958. Molecular growth requirements of single mammalian cells: The action of fetuin in promoting cell attachment to glass. Proc. Nat. Acad. Sci. USA 44:4-10.