

CURRICULUM VITAE

Name: **Syed Zaki Salahuddin**

Education:

1962 - B.S., Zoology/Cytology (Honors), University of Dacca, Bangladesh

1963 - M.S., Zoology/Cytology, University of Dacca, Bangladesh

1966 - Training in microbiology, histology and electron microscopy,
Walter Reed Army Institute of Research, Washington, D.C.

1971 -1975 - Graduate Studies in microbiology,
George Washington University, Washington, D.C.

Brief Chronology of Employment:

1963-1965 - Lecturer in Zoology, Notre Dame College and Holy Cross College,
Dacca, Bangladesh

1965-1967 - Senior Research Assistant, Pak-SEATO Cholera Research
Laboratory, Dacca, Bangladesh

1967-1971 - Technical Supervisor, Technicon Corp., Dacca, Bangladesh

1971 -1972 - Laboratory Assistant, Department of Microbiology, George
Washington University Medical School, Washington, D.C.

1972-1981 - Research Associate, Department of Cell Biology,
Litton-Bionetics, Inc., Kensington, Maryland

1980-1982 - Consultant, Biotech Research Laboratory, Rockville, Maryland

1981-1982 - Scientist I, Department of Cell Biology, Litton Bionetics, Inc.,
Kensington, Maryland

1982-1988 - Expert, Laboratory of Tumor Cell Biology, National Cancer Institute
(NCI), National Institutes of Health (NIH), Bethesda, Maryland

1989-1990 - Senior Investigator, Laboratory of Tumor Cell Biology, NCI, NIH,
Bethesda, Maryland

1990-1996 - Professor of Research Medicine, University of Southern California
School of Medicine, Los Angeles, CA.90033.

1996-1999 - Director, Division of Basic Sciences, Center for Complex Infectious
Diseases, Rosemead, CA 91770

1999 to date - Executive Director, California Institute of Molecular Medicine,
Ventura, California, 93003

Societies:

American Society of Hematology, USA
Master Mason, Lodge Dacca 3454 EC. Dhakka, Bangladesh
Fellow, The Molecular Medicine Society, USA

Research Interests:

Hematopoietic cells and regulatory events.
Viruses and cell-virus interaction

CIMM address and phone numbers:

1710 Donlon Street, Unit # 6
Ventura, CA 93003

Phn: 805-654-8552
Fax: 805-654-8534

BIBLIOGRAPHY

1. Tiech, N.M., Weiss, G.A., **Salahuddin, S.Z.**, Gallagher, R.E., Gillespie, D.H., and Gallo, R.C.: Infective transmission and characterization of a C-type virus released by cultured human myeloid leukemia cells. Nature 256: 551, 1975.
2. Gallagher, R.E., **Salahuddin, S.Z.**, Hall, WT., McCredie, K.B., and Gallo, R.C.: Growth and differentiation of leukemic leukocytes in culture from a patient with acute myelogenous leukemia and resolution of type-C virus. Proc. Natl. Acad. Sci. USA 10: 4137-4141, 1975.

3. Markham, P.D., Dodge, W., **Salahuddin, S.Z.**, and Gallagher, R.E.: An in vitro transformation assay for SSV and HL23V using feline embryonic fibroblast. Proc. Soc. Exp. Biol. Med. 157: 312-318, 1978.
4. Markham, P.D., Ruscetti, F., **Salahuddin, S.Z.**, Gallagher, R.E., and Gallo, R.C.: Enhanced induction of growth in B-lymphoblasts from fresh human blood by primate type-C retroviruses. Int. J. Cancer 23: 148-156, 1979.
5. Markham, P.D., Ruscetti, F., Kalyanaraman, V.S., Ceccherini Nelli, L., Miller, N.R., Reitz, M.S., **Salahuddin, S.Z.**, and Gallo, R.C.: Restricted expression of retrovirus nucleic acids and proteins in primate type-C virus (gibbon ape leukemia virus-simian sarcoma virus)-initiated human B-lymphoblast cultures. Cancer Res. 41: 2738-2744, 1981.
6. **Salahuddin, S.Z.**, Markham, P.D., Ruscetti, F.W., and Gallo, R.C.: Long-term suspension cultures of human cord blood myeloid cells. Blood 58: 931-938, 1981.
7. Markham, P.D., **Salahuddin, S.Z.**, and Gallo, R.C.: Proliferation of human myeloid and monocytoid cells from leukemic donors in long-term suspension culture. In Yohn, D.S. and Blakeslee, J.R. (Eds.): Advances in Comparative Leukemia Research. North-Holland, Elsevier, 1981, p. 125.
8. **Salahuddin, S.Z.**, Markham, P.D., and Gallo, R.C.: Monocyte - Macrophage suspension cultures initiated from normal human peripheral blood. J. Exp. Med. 155: 1842-1857, 1982.
9. Steuer, A.F., Ting, R.C., Markham, P.D., **Salahuddin, S.Z.**, and Gallo, R.C.: Effect of type C viral expression and cellular karyotype on tumorigenicity in nude mice by human B-lymphoblast cell lines. JNCI 69: 435-441, 1982.
10. **Salahuddin, S.Z.**, Markham, P.D., McCredie, K.B., Kondo, K., Rowley, J.D., and Gallo, R.C.: Establishment, characterization and differentiation induction of a new human diploid myelomonocytic cell line (HL-92) derived from a patient with acute myelomonocytic leukemia. Leuk. Res. 6: 729-741, 1982.
11. Markham, P.D., **Salahuddin, S.Z.**, Kalyanaraman, V.S., Popovic, M., Sarin, P., and Gallo, R.C.: Infection and transformation of fresh human umbilical cord blood cells by multiple sources of human T-cell leukemia-lymphoma virus (HTLV). Int. J. Cancer 31: 413-420, 1983.
12. Sarngadharan, M.G., Markham, P.D., **Salahuddin, S.Z.**, and Gallo, R.C.: Human Hematopoietic cells, onc genes, and retroviruses. J. Exp. Clin. Cancer Res. 2:

- 241-248, 1983.
13. **Salahuddin, S.Z.**, Markham, P.D., Wong-Staal, F., Franchini, G., Kalyanaraman, V.S., and Gallo, R.C.: Restricted expression of human T-cell leukemia-lymphoma virus (HTLV) in transformed human umbilical cord blood lymphocytes. Virology 129: 51-64, 1983.
 14. Markham, P.D., **Salahuddin, S.Z.**, and Gallo, R.C.: HTLV transformation of adult human lymphocytes with cell-free virus and by cocultivation with virus-producing leukemic cells and the identification of immature target cells. In Rich, M.A. (Ed.): Leukemia Review International. New York, Marcel Dekker, Pp.194, 1983,
 15. **Salahuddin, S.Z.**, Markham, P.D., and Gallo, R.C.: Infection and in vitro transformation of fresh human cord blood and adult peripheral blood T-lymphocytes by various isolates of human T-cell leukemia-lymphoma virus. In Parker, J.W. and O'Brien, R.L. (Eds.): Intercellular Communication in Leukocytes Function. England, John Wiley & Sons, 1983, pp. 511-519.
 16. Sarin, P.S., Popovic, M., **Salahuddin, S.Z.**, Richardson, E., Lange-Wantzin, G., Karmarsky, B., and Gallo, R.C.: Transmission of human T cell leukemia virus (HTLV) into human cord blood T cells. In Neth, R., Gallo, R.C., Greaves, M.F., Moore, M.A.S., and Winkler, K. (Eds.): Modern Trends in Human Leukemia V. Munich, Springer Verlag, 1983, pp. 389-393.
 17. Sodroski, J., Rosen, C., Wong-Staal, F., **Salahuddin, S.Z.**, Popovic, M., Arya, S., Gallo, R.C., and Haseltine, W.A.: Trans-acting transcriptional regulation of human T-cell leukemia virus type III long terminal repeat. Science 227:171-173, 1983.
 18. Markham, P.D., **Salahuddin, S.Z.**, Macchi, B., Robert-Guroff, M., and Gallo, R.C.: Transformation of different phenotypic types of human bone marrow T lymphocytes by HTLV. Int. J. Cancer 33: 13-17, 1984.
 19. **Salahuddin, S.Z.**, Markham, P.D., Lindner, S., Gootenberg, J., Popovic, M., Hemmi, H., Sarin, P.S., and Gallo, R.C.: Lymphokine production by cultured human T cells transformed by human T cell leukemia lymphoma virus. Science 223: 703-704, 1984.
 20. Markham, P.D., **Salahuddin, S.Z.**, and Gallo, R.C.: In vitro cultivation of normal and neoplastic human T lymphocytes. In McCulloch, E.A. (Ed.): Clinics in Hematology, Vol. 13. East Sussex, W. B. Saunders Co., 1984, pp. 423-446.
 21. Gallo, R.C., **Salahuddin, S.Z.**, Popovic, M., Shearer, G., Kaplan, M., Haynes, B.F., Palker, T.J., Redfield, R., Oleske, J., Safai, B., White, G., Foster, P., and Markham,

- P.D.: Frequent detection and isolation of cytopathic retroviruses (HTLV-III) from patients with AIDS and at risk for AIDS. Science 224: 500-503, 1984.
22. Arya, S.K., Gallo, R.C., Hahn, B.H., Shaw, G.M., Popovic, M., **Salahuddin, S.Z.**, and Wong-Staal, F.: Homology of genome of AIDS-associated virus with genomes of human T-cell leukemia viruses. Science 225: 927-930, 1984.
 23. Hahn, B., Gallo, R.C., Franchini, G., Popovic, M., Aoki, T., **Salahuddin, S.Z.**, Markham, P.D., and Wong-Staal, F.: Clonal selection of HTLV infected cells in vivo and in vitro. Mol. Biol. Med. 2: 29-36, 1984.
 24. Markham, P.D., Gallo, R.C., and **Salahuddin, S.Z.**: In vitro transformation of human cord blood and bone marrow T lymphocytes by HTLV. In Wright, D. and Greenberger, J.S. (Eds.): Long Term Bone Marrow Culture, Vol. 18. New York, Alan R. Liss, (KROC Foundation) 1984, pp. 323-335.
 25. Gallo, R.C., **Salahuddin, S.Z.**, Sarngadharan, M.G., Popovic, M., and Markham, P.D.: Human T-lymphotropic retroviruses (HTLV) and AIDS. In Gottlieb, M.S. and Groopman, J.E. (Eds.): Acquired Immune Deficiency Syndrome, UCLA Symposia on Molecular and Cellular Biology, New Series, Vol. 16. New York, Alan R. Liss, 1984, pp. 47-58.
 26. Groopman, J.E., **Salahuddin, S.Z.**, Markham, P.D., Gonda, M., Sliski, A., and Gallo, R.C.: Isolation of HTLV-III from saliva of people with AIDS related complex and healthy homosexual men at risk for AIDS. Science 226: 447-449, 1984.
 27. Ho, D.D., Schooly, R.T., Rota, T.R., Kaplan, J.C., Flynn P., **Salahuddin, S.Z.**, Gonda, M., and Hirsch, M.S.: HTLV-III in the semen and blood of healthy homosexual men. Science 226: 451-453, 1984.
 28. Lee, T.H., Coligan, J.E., Sodroski, J.G., Haseltine, W.A., **Salahuddin, S.Z.**, Wong-Staal, F., Gallo, R.C., and Essex M.: Antigens encoded by the 3' terminal region of human T-cell leukemia virus: Evidence for a functional gene. Science 226: 57-61, 1984.
 29. Groopman, J.E., **Salahuddin, S.Z.**, Sarngadharan, M.G., Mullins, J., Sullivan, J.L., Mulder, C., O'Hara, C., Cheeseman, S., Haverkos, H., Forgacs, P., Riedel, N., McLane, M.F., Essex, M., and Gallo, R.C.: Virologic studies in a case of transfusion-associated AIDS. N. Engl. J. Med. 311: 1419-1422, 1984.
 30. **Salahuddin, S.Z.**, Groopman, J.E., Markham, P.D., Sarngadharan, M.G., Redfield, R.R., McLane, M.F., Essex, M., Sliski, A., and Gallo, R.C.: HTLV-III in symptom-free seronegative persons. Lancet ii: 1418-1420, 1984.

31. Markham, P.D., Sarngadharan, M.G., **Salahuddin, S.Z.**, Popovic, M., and Gallo, R.C.: Correlation between exposure to HTLV-III and the development of AIDS. Ann. NY Acad. Sci. 437: 106-109, 1984.
32. Groopman, J.E., Sarngadharan, M., **Salahuddin, S.Z.**, Buxbaum, R., Huberman, M.S., Kinniburgh, J., Sliski, A., McLane, M.F., Essex, M., and Gallo, R.C.: Apparent transmission of human T-cell lymphotropic virus type III to a heterosexual with acquired immunodeficiency syndrome. Ann. Int. Med. 102: 63-66, 1985.
33. Redfield, R.R., Markham, P.D., **Salahuddin, S.Z.**, Sarngadharan, M.G., Bodner, A.J., Falk, T.M., Ballow, W.R., Wright, D.C., and Gallo, R.C.: Frequent transmission of HTLV-III among spouses of patients with AIDS-related complex (ARC) and the acquired immune deficiency syndrome (AIDS): A family study. JAMA 253: 1571-1573, 1985.
34. Gallo, R.C., Sarngadharan, M.G., Popovic, M., Schupbach, J., Markham, P.D., **Salahuddin, S.Z.**, Shaw, G.M., Wong-Staal, F., and Reitz, M.S.: The human T-cell leukemia viruses, T-cell leukemia, and AIDS. In Neth, R. and Gallo, R.C. (Eds.): Modern Trends in Human Leukemia VI, Vol. 29. Munchen, Springer Verlag, 1985, pp. 317-325.
35. Gallo, R.C., Sarngadharan, M.G., Schupbach, J., Popovic, M., Markham, P.D., **Salahuddin, S.Z.**, Arya, S., and Reitz, M.S.: Human T-cell leukemia viruses, T-cell leukemias and AIDS. In Feldman, M. (Ed.): Human T-Cell Clones: A New Approach to Immune Regulation. New York, Humana Press, 1985, pp. 263-275.
36. Markham, P.D., **Salahuddin, S.Z.**, Popovic, M., Patel, A., Orndorff, S., Verene, K., Fladager, A., and Gallo, R.C.: Advances in the isolation of HTLV-III virus from AIDS and ARC patients. Cancer Res. (Suppl) 45: 4588s-4591s, 1985.
37. Markham, P.D., **Salahuddin, S.Z.**, Popovic, M., Sarngadharan, M.G., and Gallo, R.C.: Retrovirus infection in man: Human T-cell leukemia (lymphotropic) viruses. In Gilmore, N. and Weinberg, M. (Eds.): Viral Mechanisms of Immunosuppression. New York, Alan R. Liss, 1985, pp. 49-75.
38. Markham, P.D., Shaw, G.M., **Salahuddin, S.Z.**, Hahn, B., Sarngadharan, M.G., and Gallo, R.C.: Etiology of AIDS: Biological and bio- chemical characteristics of HTLV-III. In Gupta, S. (Ed.): Advances in Epidemiology and Biology. New York, Plenum Press, 1985, pp. 13-34.
39. Gallo, R.C., Ratner, L., Popovic, M., **Salahuddin, S.Z.**, Sarngadharan, M.G., Wong-Staal, F., Shaw, G., Hahn, B., Markham, P.D., Groopman, J., Safia, B., Reitz, M., and Robert-Guroff, M.: The family of human T-lymphotropic retroviruses called

- human T-cell leukemia/lymphoma virus (HTLV): Their role in lymphoid malignancies and lympho-suppressive disorders (AIDS). In Marks, A.A. (Ed.): Genetics, Cell Differentiation and Cancer, Vol. 14. New York, Academic Press, 1985, p. 183.
40. **Salahuddin, S.Z.**, Markham, P.D., Popovic, M., Sarngadharan, M.G., Orendorf, S., Fladager, A., Patel, A., Gold, J., and Gallo, R.C.: Isolation of infectious human T-cell leukemia/lymphotropic virus type III (HTLV-III) from patients with acquired immunodeficiency syndrome (AIDS) or AIDS-related complex (ARC) and from healthy carriers: A study of risk groups and tissue sources. Proc. Natl. Acad. Sci. USA 82: 5530-5534, 1985.
 41. Zagury, D., Fouchard, M., Reveil, B., Bernard, J., Cettan, A., **Salahuddin, S.Z.**, and Sarin, P.S.: Evidence for HTLV-III in T cells from semen of AIDS patients: Expression in primary cell culture, long term mitogen stimulated cell cultures and co-cultures with a permissive T-cell line. Cancer Res. (Suppl) 45: 4595-4597, 1985.
 42. **Salahuddin, S.Z.**, Markham, P.D., Wong-Staal, F., and Gallo, R.C.: The human T-cell leukemia/lymphoma virus family. Proceedings of the Third Duran-Reynals International Symposium: Viruses, Oncogenes and Cancer. Progress in Medical Virology, Vol. 32. Basal, Karger, 1985, pp. 195-211.
 43. Sodroski, J.G., Goh, W.C., Rosen, C.A., **Salahuddin, S.Z.**, Aldovini, A., Franchini, G., Wong-Staal, F., Gallo, R.C., Sugamura, K., and Haseltine, W.A.: Characterization of human T-cell leukemia virus-transformed non-producer cell lines. J. Virol. 55: 831-835, 1985.
 44. Gallo, R.C., Shaw, G., Hahn, B., Wong-Staal, F., Popovic, M., Schupbach, J., Sarngadharan, M.G., Arya, S., **Salahuddin, S.Z.**, and Reitz, M.S.: The family of human T-cell leukemia viruses and their role in the cause of T-cell leukemia and AIDS. In Furmanski, P., Hager, J.C., and Rich, M.A. (Eds.): On the Frontier of Understanding. Boston, Martinus Nijhoff, 1985, pp. 191-205.
 45. Wong-Staal, F., Shaw, M.G., Hahn, B.H., **Salahuddin, S.Z.**, Popovic, M., Markham, P., Redfield, R., and Gallo, R.C.: Genomic diversity of human T-lymphotropic virus type III (HTLV-III). Science 229: 759-762, 1985.
 46. Groopman, J.E., Hartzband, P.I., Shulman, L., **Salahuddin, S.Z.**, Sarngadharan, M.G., McLane, M.F., Essex, M., and Gallo, R.C.: Antibody seronegative human T-lymphotropic virus type III (HTLV-III)-infected patients with acquired immunodeficiency syndrome on related disorders. Blood 66: 742-744, 1985.
 47. Fujikawa, L.S., **Salahuddin, S.Z.**, Palestine, A.G., Henry, H., Nussenblatt, R.B., and

- Gallo, R.C.: Isolation of human T-lympho-tropic virus type III from the tears of a patient with acquired immunodeficiency syndrome. Lancet ii: 529-530, 1985.
48. Groopman, J.E., Sarngadharan, M.G., **Salahuddin, S.Z.**, Buxbaum, R., Huberman, M.S., Kinniburgh, J., Sliski, A., McLane, M.F., Essex, M., and Gallo, R.C.: Apparent transmission of human T-cell leukemia virus type III to a heterosexual woman with the acquired immunodeficiency syndrome. Ann. Intern. Med. 102: 63-66, 1985.
 49. Shearer, G.M., **Salahuddin, S.Z.**, Markham, P.D., Josephs, S.J., Payne, S.M., Kriebel, P., Bernstein, D.C., Biddison, W.E., Sarngadharan, M.G., and Gallo, R.C.: Prospective study of cytotoxic T-lymphocyte (CTL) responses to influenza and antibodies to HTLV-III in homosexual men: Selective loss of influenza specific HLA restricted CTL response in HTLV-III positive individuals with symptoms of AIDS. J. Clin. Invest. 76: 1699-1704, 1985.
 50. Fujikawa, L.S., **Salahuddin, S.Z.**, Ablashi, DV. Palestine, A.G., Masur, H., Nussenblatt, R.B., and Gallo, R.C.: Human T-cell leukemia/lymphotropic virus type III (HTLV-III) in the conjunctival epithelium of an AIDS patient. Am. J. Ophthalmol. 100: 507-509, 1985.
 51. Markham, P.D., Shaw, G.M., **Salahuddin, S.Z.**, Hahn, B., Sarngadharan, M.G., and Gallo, R.C.: Etiology of AIDS: Biological and biochemical characteristics of HTLV-III. Adv. Exp. Med. Biol. 185: 13-34, 1985.
 52. James, W.D., Redfield, R.R., Lupton, G.P., Meltzer, M.S., Berger, T.G., Rodman, O.G., Markham, P.D., Sarngadharan, M.G., **Salahuddin, S.Z.**, and Gallo, R.C.: A papular eruption associated with human T-cell lymphotropic virus type III disease. J. Am. Acad. Dermatol. 13: 563-566, 1985.
 53. Redfield, R.R., James, W.D., Wright, D.C., Brown, C., **Salahuddin, S.Z.**, Markham, P.D., Sarngadharan, M.G., Folks, T.F., and Gallo, R.C.: Severe molluscum contagiosum infection in a patient with human T cell lymphotropic (HTLV-III) disease. J. Am. Acad. Dermatol. 5: 821-824, 1985
 54. Gallo, R.C., Sarngadharan, M.G., Popovic, M., Schupbach, J., Markham, P., **Salahuddin, S.Z.**, Shaw, G., Wong-Staal, F., and Reitz, M.S., Jr.: The human T-cell leukemia virus family, adult T cell leukemia, and AIDS. Hamatol. Bluttransfus. 29: 317-325, 1985.
 55. Redfield, R.R., Markham, P.D., **Salahuddin, S.Z.**, Wright, D.C., Sarngadharan, M.G., and Gallo, R.C.: Heterosexually acquired HTLV-III/LAV disease (AIDS-related complex and AIDS). JAMA 254: 2094-2096, 1985.

56. Rossi, P., Galli, E., Gidlund, M., **Salahuddin, S.Z.**, Laan, K., and Wigzell, H.: Selective inhibition of IgE versus B₂ microglobulin in human U-266 myeloma cell line treated with T-cell derived factors. Scand. J. Immunol. 22: 33-39, 1985.
57. Markham, P.D., **Salahuddin, S.Z.**, Veren, K., Orndorff, S., and Gallo, R.C.: Hydrocortisone and some other hormones enhance the expression of HTLV-III. Int. J. Cancer 37: 67-72, 1986.
58. **Salahuddin, S.Z.**, Palestine, A.G., Heck, E., Ablashi, D., Luckenbach, M., McCulley, J.P., and Nussenblatt, R.B.: Isolation of the human T-cell leukemia/lymphotropic virus type III from the cornea. Am. J. Ophthal. 101: 149-152, 1986.
59. **Salahuddin, S.Z.**, Rose, R.M., Groopman, J.E., Markham, P.D., and Gallo, R.C.: Human T-lymphotropic virus type III (HTLV-III) infection of human alveolar macrophages. Blood 68: 281-284, 1986.
60. **Salahuddin, S.Z.**, Ablashi, D.V., Gonda, M.A., Sturzenegger, S., Markham, P.D., and Gallo, R.C.: HTLV-III infection of EBV genome-positive B-lymphoid cells with or without detectable T4 antigens. Int. J. Cancer 39: 198-202, 1986.
61. Resnick, L., Veren, K., **Salahuddin, S.Z.**, Tondreau, S., and Markham, P.D.: Stability and inactivation of HTLV-III/LAV under clinical and laboratory environments. JAMA 255: 1887-1891, 1986.
62. **Salahuddin, S.Z.**, Ablashi, D.V., Markham, P.D., Josephs, S.F., Sturzenegger, S., Kaplan, M., Halligan, G., Biberfeld, P., Wong-Staal, F., Kramarsky, B., and Gallo, R.C.: Isolation of a new virus, HBLV, in patients with lymphoproliferation disorders. Science 234: 596-601, 1986.
63. Josephs, S.F., **Salahuddin, S.Z.**, Ablashi, D.V., Schachter, F., Wong-Staal, F., and Gallo, R.C.: Genomic analysis of human B-lymphotropic virus (HBLV). Science 234: 601-603, 1986.
64. Shearer, G.M., Bernstein, D.C., Tung K.S.K., Via, C.S., Redfield, R., **Salahuddin, S.Z.**, and Gallo, R.C.: A model for the selective loss of major histo-compatibility complex self-restricted T-cell immune responses during the development of acquired immune deficiency syndrome (AIDS). J. Immunol. 137: 2514-2521, 1986.
65. Resnick, L., Markham, P.D., Veren, K., **Salahuddin, S.Z.**, and Gallo, R.C.: In vitro suppression of HTLV-III/LAV infectivity by a combination of Acyclovir and Suramin. J. Infect. Dis. 154: 1027-1030, 1986.

66. Fujikawa, L.S., **Salahuddin, S.Z.**, and Ablashi, D.V.: HTLV-III in tears and ocular tissues. In Brightbill, F. (Ed.): Corneal Surgery. Theory and Techniques. New York, Mosby Press, 1986, pp. 55-59.
67. Gallo, R.C., Sarngadharan, M.G., Popovic, M., Shaw, G.M., Hahn, B., Wong-Staal, F., Robert-Guroff, M., **Salahuddin, S.Z.**, and Markham, P.D.: HTLV-III and the etiology of AIDS. In Ishizaka, K., Kallos, P., Lachman, P.J., and Waksman, B.H. (Eds.): Progress in Allergy, Vol. 37. Basel, S. Karger, 1986, pp. 1-45.
68. Ablashi, D.V., Fladager, A., Markham, P.D., and **Salahuddin, S.Z.**: Isolation of transforming Epstein-Barr virus from the plasma of HTLV-III/LAV infected patients. Intervirology 27: 25-31, 1987.
69. Lusso, P., **Salahuddin, S.Z.**, Ablashi, D.V., Gallo, R.C., Veronese, F., and Markham, P.D.: Diverse tropism of human B-lymphotropic virus (human herpes virus-6). Lancet ii: 743-744, 1987.
70. Ablashi, D.V., **Salahuddin, S.Z.**, Josephs, S.F., Imam, F., Lusso, P., Gallo, R.C., Hung, C., Lemp, J., and Markham, P.D.: HBLV (or HHV-6) in human cell lines. Nature 329: 207, 1987.
71. Biberfeld, P., Kramarsky, B., **Salahuddin, S.Z.**, and Gallo, R.C.: Ultrastructural characterization of a new human B lymphotropic DNA virus (human herpesvirus 6) isolated from patients with lymphoproliferative disease. JNCI 79: 933-941, 1987.
72. Ablashi, D.V., Hunter, E.A., Ablashi, K.L., **Salahuddin, S.Z.**, Markham, P.D., Kramarsky, B., and Viza, D.: Chronic HTLV-III infection in EBV genome containing B-cell lines. In Levine, P.H. Ablashi, D.V., Nonoyama, M., Pearson, G.R., and Glaser, R. (Eds.): Epstein-Barr virus and Human Disease: Recent Advances. Clifton, Humana Press, 1987, pp. 457-459.
73. Josephs, S.F., Buchbinder, A., Streicher, H.Z., Ablashi, D.V., **Salahuddin, S.Z.**, Guo, H. -G., Wong-Staal, F., Cossman, J., Raffeld, M., Sundeen, J., Levine, P., Biggar, R., Krueger, R.F.G., Fox, R.I., and Gallo, R.C.: Detection of human B-lymphotropic virus (human herpesvirus 6) sequences in B-cell lymphoma tissues of three patients. Leukemia 2: 132-135, 1988.
74. Dahlberg, J.E., Ablashi, D.V., Rhim, J.S., Fladger, A., and **Salahuddin, S.Z.**: Replication of herpesvirus saimiri is semi-permissive in human cells because of a block in the synthesis of certain late proteins. Intervirology 29: 227-234, 1988.
75. Nakamura, S., **Salahuddin, S.Z.**, Biberfeld, P., Ensoli, B., Markham, P.D., Wong-Staal, F., and Gallo, R.C.: Kaposi's sarcoma cells: long-term culture with growth

- factor from retrovirus-infected CD4⁺ T cells. Science 242: 426-430, 1988.
76. **Salahuddin, S.Z.**, Nakamura, S., Biberfeld, P., Kaplan, M.H., Markham, P.D., Larsson, L., and Gallo, R.C.: Angiogenic properties of Kaposi's sarcoma-derived cells after long-term culture in vitro. Science 242: 430-433, 1988.
 77. Ablashi, D.V., Josephs, S.F., Buchbinder, A., Hellman, K., Nakamura, S., Llana, T., Lusso, P., Kaplan, M., Dahlberg, J., Memon, S., Imam, F., Ablashi, K.L., Markham, P.D., Kramarsky, B., Krueger, G.R.F., Biberfeld, P., Wong-Staal, F., **Salahuddin, S.Z.**, and Gallo, R.C.: Human B-lymphotropic virus (human herpesvirus-6). J. Virol. Methods 21: 29-48, 1988.
 78. Biberfeld, P., Petren A. -L., Eklund, A., Lindemalm, C., Barkhem, T., Ekman, M., Ablashi, D., and **Salahuddin, S Z.**: Human herpesvirus-6 (HHV-6, HBLV) in sarcoidosis and lymphoproliferative disorders. J. Virol. Methods 21: 49-59, 1988.
 79. Linde, A., Dahl, H., Wahren, B., Fridell, E., **Salahuddin, SZ.**, and Biberfeld, P.: IgG antibodies to human herpesvirus-6 in children and adults both in primary Epstein-Barr virus and cytomegalovirus infections. J. Virol. Methods 21: 117-123, 1988.
 80. Krueger, G.R.F., Koch, B., Ramon, A., Ablashi, D.V., **Salahuddin, S.Z.**, Josephs, S.F., Streicher, H.Z., Gallo, R.C., and Habermann, U.: Antibody prevalence to HBLV (human herpesvirus-6, HHV-6) and suggestive pathogenicity in the general population and in patients with immune deficiency syndromes. J. Virol. Methods 21: 125-131, 1988.
 81. Josephs, S.F., Ablashi, D.V., **Salahuddin, S.Z.**, Kramarsky, B., Franza, B.R., Jr., Pellett, P., Buchbinder, A., Memon, S., Wong-Staal, F., and Gallo, R.C.: Molecular studies of HHV-6. J. Virol. Methods 21: 179-190, 1988.
 82. Buchbinder, A., Josephs, S.F., Ablashi, D., **Salahuddin, S.Z.**, Klotman, M.E., Manak, M., Krueger, G.R.F., Wong-Staal, F., and Gallo, R.C.: Polymerase chain reaction amplification and in situ hybridization for the detection of human B-lymphotropic virus. J. Virol. Methods 21: 191-197, 1988.
 83. Viza, D., Vich, J.M., Minarro, A., Ablashi, D.V., and **Salahuddin, S.Z.**: Soluble extracts from a lymphoblastoid cell line modulate simian immunodeficiency syndrome (SAIDS) evolution. J. Virol. Methods 21: 241-253, 1988.
 84. Krueger, G.R.F., Ablashi, D.V., **Salahuddin, S.Z.**, and Josephs, S.F.: Diagnosis and differential diagnosis of progressive lympho- proliferation and malignant lymphoma in persistent active herpesvirus infection. J. Virol. Methods 21: 255-264, 1988.

85. Streicher, H.Z., Hung, C.L., Ablashi, D.V., Hellman, K., Saxinger, C., Fullen, J., and **Salahuddin, S.Z.**: In vitro inhibition of human herpesvirus-6 by phosphonoformate. J. Virol. Methods 21: 301-304, 1988.
86. Josephs, S.F., Schlar, L., Ablashi, D.V., Saxinger, W.C., Streicher, H.Z., and **Salahuddin, S.Z.**: HBLV is not ASFV. AIDS Res. Hum. Retroviruses 4: 317-318, 1988.
87. Ablashi, D.V., Lusso, P., Hung, C. -L., **Salahuddin, S.Z.**, Josephs, S.F., Llana, T., Kramarsky, B., Biberfeld, P., Markham, P.D., and Gallo, R.C.: Utilization of human Hematopoietic cell lines for the propagation and characterization of HBLV (human herpesvirus 6). Int. J. Cancer 42: 787-791, 1988.
88. Kishi, M., Harada, H., Takahashi, M., Tanaka, A., Hayashi, M., Nonoyama, M., Josephs, S.F., Buchbinder, A., Schachter, F., Ablashi, D.V., Wong-Staal, F., **Salahuddin, S.Z.**, and Gallo, R.C.: A repeat sequence, GGGTTA, is shared by DNA of human herpesvirus 6 and Marek's disease virus. J. Virol. 62: 4824-4827, 1988.
89. Ablashi, D.V., Sturzenegger, S., Hunter, E.A., Palestine, A.G., Fujikawa, L.S., Kin, M.H., Nussenblatt, R.B., Markham, P.D., and **Salahuddin, S.Z.**: Presence of HTLV-III in tears and cells from the eyes of AIDS patients. J. Exp. Pathol. 3: 693-704, 1988.
90. Lusso, P., Markham, P.D., Tschachler, E., Veronese, F.D., **Salahuddin, S.Z.**, Ablashi, D.V., Pahwa, S., Krohn, K., and Gallo, R.C.: In vitro cellular tropism of human B-lymphotropic virus (human herpes virus-6). J. Exp. Med. 167: 1659-1670, 1988.
91. Wakefield, D., Lloyd, A., Dwyer, J., **Salahuddin, S.Z.**, and Ablashi, D.V.: Human herpes virus 6 and myalgic encephalomyelitis. Lancet ii: 1059, 1988.
92. Rhim, J.S., Fox, R.I., Ablashi, D.V., **Salahuddin, S.Z.**, Buchbinder, A., and Josephs, S.F.: Establishment of salivary gland epithelial cell lines from patients with Sjogren's syndrome and normal individuals. In Ablashi, D.V., Faggioni, A., Krueger, G.R.F., Pagano, J., and Pearson, G.R. (Eds.): Epstein-Barr virus and Human Disease - 1988. Clifton, Humana Press, 1989, pp. 155-161.
93. Bertram, G., Dreiner, N., Krueger, G.R.F., Ablashi, D.V., and **Salahuddin, S.Z.**: Serological correlation of HHV-6 and EBV infections in infectious mononucleosis. In Ablashi, D.V., Faggioni, A., Krueger, G.R.F., Pagano, J., and Pearson, G.R. (Eds.): Epstein-Barr virus and Human Disease - 1988. Clifton, Humana Press, 1989, pp. 361-367.

94. **Salahuddin, S.Z.**, Ablashi, D.V., Josephs, S.F., Luka, J., Pearson, G.R., Kramarsky, B., and Gallo, R.C.: Human herpesvirus-6 (human B-lymphotropic virus). In Ablashi, D.V., Faggioni, A., Krueger, G.R.F., Pagano, J., and Pearson, G.R. (Eds.): Epstein-Barr virus and Human Disease - 1988. Clifton, Humana Press, 1989, pp 461-472.
95. Ablashi, D.V., Luka, J., Buchbinder, A., Josephs, S.F., Llana, T., Zompetta, C., Faggioni, A., Lusso, P., Pearson, G.R., **Salahuddin, S.Z.**, and Gallo, R.C.: Interaction of HBLV (HHV-6) with EBV and HIV. In Ablashi, D.V., Faggioni, A., Krueger, G.R.F., Pagano, J., and Pearson, G.R. (Eds.): Epstein-Barr virus and Human Disease - 1988. Clifton, Humana Press, 1989, pp. 489-494.
96. Dale, J.K., Straus, S.E., Ablashi, D.V., **Salahuddin, S.Z.**, Gallo, R.C., Nishibe, Y., and Inoue, Y.K.: Inoue-Melnick virus: Sero- prevalence in the chronic fatigue syndrome and the lack of cross reaction with the human B-lymphotropic virus. Ann. Intern. Med. 110: 91, 1989.
97. Lusso, P., Ensoli, B., Markham, P.D., Ablashi, D.V., **Salahuddin, S.Z.**, Tschachler, E., Wong-Staal, F., and Gallo, R.C.: Productive dual infection of human CD4⁺ T-lymphocytes by HIV-1 and HHV-6 (HBLV). Nature 337: 370-373, 1989.
98. Buchbinder, A., Ablashi, D.V., Saxinger, C., Josephs, S.F., **Salahuddin, S.Z.**, Gallo, R.C., Biberfeld, P., and Linde, A.: Human herpesvirus-6 and cross-reactivity with other herpesviruses. Lancet i: 217, 1989.
99. Ensoli, B., Nakamura, S., **Salahuddin, S.Z.**, Biberfeld, P., Larsson, L., Beaver, B., Wong-Staal, F., and Gallo, R.C.: AIDS-Kaposi's sarcoma-derived cells express cytokines with autocrine and paracrine growth effects. Science 243: 223-226, 1989.
100. Ensoli, B., **Salahuddin, S.Z.**, and Gallo, R.C.: AIDS-associated Kaposi's sarcoma: A molecular model for its pathogenesis. Cancer Cells 1: 93-96, 1989.
101. Williams, M.V., Ablashi, D.V., **Salahuddin, S.Z.**, and Glaser, R.: Demonstration of the human herpesvirus 6-induced DNA polymerase and DNase. Virology 173: 223-230, 1989.
102. Ablashi, D.V. and **Salahuddin, S.Z.**: Virus association in non-Hodgkin's lymphomas. In Magrath, I. (Ed.): Non-Hodgkin's Lymphomas. London, Edward Arnold Ltd., pp. 160-177, 1989.
103. Josephs, S.F., Nonoyama, M., Ablashi, D.V., Buchbinder, A., Klotman, M., Saxinger, C.W., and Salahuddin, S.Z.: Molecular and sero-epidemiologic characterization of human herpesvirus-6. In Kato, S., Horiuchi, T., Mikami,

- T., and Hirai, K. (Eds.): Advances in Marek's Disease Research. Tokyo, Japanese Association on Marek's Disease, 1989, pp. 76-83.
104. Fox, R.I., Saito, I., Chan, E.K., Josephs, S.F., **Salahuddin, S.Z.**, Ablashi, D.V., Wong-Staal, F., Gallo, R.C., Pei-Ping, H., and Le, S.S.: Viral genomes in lymphomas of patients with Sjogren's syndrome. J.Autoimmunity 2: 449-455, 1989.
 105. Krueger, G.R.F., Manak, M., Bourgeois, N., Ablashi, D.V., **Salahuddin, S.Z.**, Josephs, S.F., Buchbinder, A., Gallo, R.C., Berthold, F., and Tesch, H.: Persistent active herpesvirus infection associated with atypical polyclonal lymphoproliferative (APL) and malignant lymphoma. cancer Res., 9:1457-1476, 1989.
 106. Steeper, T.A., Horwitz, C.A., Ablashi, D.V., **Salahuddin, S.Z.**, Saxinger, C., Saltzman, C., and Schwartz, B.: The spectrum of clinical and laboratory findings due to human herpesvirus-6 (HHV-6) in patients with mononucleosis-like illness not due to EBV or CMV. Am.J. Clin. Pathol. 93:776-783, 1990.
 107. Ablashi, D.V., Zompetta, C., Lease, C., Josephs, S.F., Balachandran, N., Komaroff, A.L., Krueger, G.R.F., Henry, B., Luka, J., and Salahuddin, S Z.: Human herpesvirus-6 (HHV-6) and chronic fatigue syndrome (CFS). In Proceedings of Chronic Fatigue Syndrome Workshop. Toronto, Central Public Health Laboratory, in press.
 108. Ensoli B, Barillari G, **Salahuddin SZ**, Saxinger C, Saltzman C, Schwartz B: The spectrum of clinical and laboratory findings due to Human Herpes Virus-6 (HHV-6) in patients with mononucleosis like illness not due to EBV or CMV. Nature 345:84-86, 1990.
 109. Natan G, Daefler S, Llana T, Ablashi DV, Josephs SF and **Salahuddin SZ**, :Susceptibility to HIV-1 infection of a human B-lymphoblastoid cell line, DG75, transfected with subgenomic DNA fragments of Epstein-Barr virus.Proc on Animal Retroviruses,Develop Biol Standard, S. Karger, Basel Publisher. 72:309-313, 1090.
 110. Balachandran N, Tirawatnpong S, Pfeiffer B, Ablashi DV, and **Salahuddin SZ.**, Electrophoretic analysis of human herpes virus-6 polypeptides immunoprecipitated from infected cells with human sera. J Inf Dis 163:29-34, 1991.
 111. Browning PJ, Trepel J, Fletecher M, Sechler J, **Salahuddin, SZ**, and Gallo RC: Establishment of continuously growing myelomonocytic cells from a patient with mycosis fungoides with reverse transcriptase activity. AIDS Res Hum Retroviruses 7:224, 1991.

112. Lunardi-Iskander Y, Nakamura S, Gill P, Sakurada S, Gallo RC, and **Salahuddin SZ**: Cytokines and cytokine receptor expression in AIDS Kaposi's sarcoma-derived cells. AIDS res Hum Retroviruses 7:219, 1991.
113. Lunardi-Iskander Y, Nakamura S, Gill PS, Sakurada S, **Salahuddin SZ**, and Gallo RC: Structure and function of Interleukin 2-receptor (IL-2R) on spindle cells of AIDS associated Kaposi's sarcoma (AIDS-KS). J Cell Biochem 15F:133. 1991.
114. Nakamura S, Sakurada S, Gill PS, Lunardi-Iskander Y, Gallo RC, and **Salahuddin SZ**: Glucocorticoid enhanced in vitro growth of AIDS-KS associated Kaposi's sarcoma-derived cells. AIDS Res Hum Retroviruses 7:216, 1991.
115. Sakurada S, Nakamura S, Gallo RC, and **Salahuddin SZ**: Cultured Kaposi's sarcoma cells express activity inducing vascular permeability. AIDS Res Hum Retroviruses 7:217, 1991.
116. Sakurada S, Nakamura S, **Salahuddin SZ**, and Gallo RC: Long-term cultured and freshly isolated Kaposi's sarcoma cells express activity inducing vascular permeability. J Cell Biochem 15F: 254, 1991.
117. Ablashi DV, **Salahuddin SZ**, Josephs SF, Balachandran N, Krueger GRF, and Gallo RC: Human Herpesvirus-6 (HHV-6): Short review. In Vivo 5:193 200, 1991.
118. Krueger GRF, Ablashi DV, **Salahuddin SZ**, Lembke U, Ramon A and Bertram G: Clinical indications and diagnostic techniques of human herpesvirus-6 (HHV-6) infections. In Vivo 5:287-296, 1991.
119. Bertram G, Dreiner N, Krueger GRF, Ramon A, Ablashi DV, **Salahuddin SZ** and Balachandran N: Frequent double active infection with Epstein-Barr virus and Human Herpesvirus-6 in patients with active infectious mononucleosis. In Vivo 5:271-280, 1991.
120. Thompson EW, Nakamura S, Shima TB, Martin GR, Gallo RC, **Salahuddin SZ** and Albanie A: Supernatants of AIDS-related Kaposi's sarcoma cells (AIDS-KS cells) induce endothelial cell chemotaxis and invasiveness. Cancer Research 52:2670-2676, 1991.
121. Ablashi DV, Balachandran N, Josephs SF, Hung CL, Krueger GRF, Kramarsky B, Gallo RC and **Salahuddin SZ**: Genomic polymorphism, growth properties and immunologic variations in Human Herpesvirus-6 (HHV-6) isolates. Virology 184:545-552, 1991.
122. Josephs SF, Ablashi DV, **Salahuddin SZ**, Jagodzinski LJ, Wong-Staal F and Gallo

- RC: Identification of the Human Herpesvirus-6 (HHV-6) glycoprotein H and putative large tegument protein genes. Journal of Virology 65:5597-5604, 1991.
123. Kaplan MH, Hall WH, Susin M, Pahwa S, **Salahuddin SZ**, Heliman C, Fettes J, Coronese M, Farber BF and Smith S: The syndrome of severe skin disease, eosinophilia and dermatopathic lymphadenopathy in patients with HTLV-II complicating HIV-1 infection. Am J Med 9:300-309, 1991.
 124. Weich HA, **Salahuddin SZ**, Gill PS, Nakamura S, Gallo RC, and Folkmann J: AIDS-associated Kaposi's sarcoma derived (AIDS-KS) cells in long-term cultures express and synthesize smooth muscle a-actin. AM J Pathology 139:1251-1258, 1991.
 125. Buchwald D, Chenny PR, Peterson DL, Henry B, Wormsley SB, Geiger A, Ablashi DV, **Salahuddin SZ**, Saxinger C, Bidle R, Kikinis R, Jolesz FA, Folks T, Balachandran N, Gallo RC and Komaroff AL: A chronic illness characterized by fatigue, neurologic and immunologic disorders and active Human Herpesvirus-6 infection. Annal Int Med 116:103-113, 1992.
 126. **Salahuddin SZ**: The discovery of Human Herpesvirus type-6. In Ablashi DV, Krueger GRF and Salahuddin SZ (Eds.), Human Herpesvirus 6. Epidemiology, Molecular Biology and Clinical Pathology. Elsevier Science Publishers B.V., Pp 3-9, 1992.
 127. Ablashi DV and **Salahuddin SZ**: Biology and strain variants. In Ablashi DV, Krueger GRF and Salahuddin SZ (Eds.), Human Herpesvirus-6: Epidemiology, Molecular Biology and Clinical Pathology. Elsevier Science Publishers B.V., Pp 69-79, 1992
 128. Levine PH Bigger RJ, Ablashi DV, **Salahuddin SZ**, Cheney P, Peterson D, Pocinki AG, Pearson GR, Connelly RR, Weil R and Hoover R: Clinical, epidemiologic and virologic studies in four clusters of chronic fatigue Syndrome. Arch Intern Med 152:1611-1616, 1992.
 129. Nakamura S, Sakurada S, **Salahuddin SZ**, Osada Y, Tanaka NG, Salamoto N, Sekiguchi M and Gallo RC: Inhibition of development of Kaposi's sarcoma related lesion by a bacterial cell wall complex. Science 255:1437-1440, 1992.
 130. Gupta S, Ribeck CE, Gollapudi S, Kim CH, and **Salahuddin SZ**: Detection of a human intracisternal retroviral particle associated with CD4+ T-cell deficiency. PNAS 89:7831-7835, 1992.
 131. Dray F, Norman BVL, Deroussent A, Briquet I, Gebellac MM, Nakamura S, Wahl LM, Gouyette A and **Salahuddin SZ**: Active metabolism of arachidonic acid by

- Kaposi's sarcoma cells cultured from lung biopsies (KS-3); identification by HPLC and MS/MS of the predominant metabolite secreted as the 11,12-epoxy-eicosatrienoic acid. *BBA* 1180:83-90, 1992.
132. **Salahuddin SZ**: The discovery of human herpesvirus type-6. In Ablashi DV, Krueger GRF and Salahuddin SZ (Eds), Human Herpesvirus type-6. Epidemiology, Molecular Biology and Clinical Pathology. Elsevier Science Publishers B.V., Pp. 3-9, 1992.
 133. Radka S, Nakamura S, Sakurada S and **Salahuddin SZ**: Correlation of Oncostatin M secretion by human retrovirus infected cells with potent growth stimulation of cultured cells from AIDS-Kaposi's sarcoma. *J Immunol* 150:5195-5201, 1993.
 134. **Salahuddin SZ**, Kelley AS, Krueger GRF, Josephs SF, Gupta S, and Ablashi DV: Human Herpesvirus-6 in diseases. *Clin Diag Virol*, 1:81-100, 1993.
 135. Zanetti M., Green DR., Mogil RJ. Khan RS., Chelyapov NV., Nakamura S. and **Salahuddin SZ**. Cytoprotection and prevention of apoptosis in T lymphocytes by a natural compound, AVC. (Submitted).
 136. Salahuddin SZ., Khan RS., Chelyapov NV., Nakamura S. and Zanetti M. Inhibition of HIV-1 replication in freshly infected normal peripheral blood lymphocytes and in leukocytes from AIDS patients by a natural compound, AVC (submitted).
 137. Demidem A., Broquet C., Menica-Heurta JM., and **Salahuddin SZ.**, Lam T.,Khan RS., Braquet P., Levine AM. and Bonavida B. Sensitivity of drug resistant cell lines from Non-Hodgkin's lymphoma to newly synthesized podophyllotoxin derivatives and azaalkyllysophospho-lipids: enhanced sensitization by pre-treatment with Interferon gamma. (In preparation).
 138. Revie D., Braich RS., Bayles D., Chelyapov N., Khan R., Geer C., Reisman R., Kelley AS., Prichard JG., and **Salahuddin SZ.**: Transmission of human hepatitis C virus from patients in secondary cells for long term culture. *Virology Journal* 2:37, 2005 (<http://www.virologyj.com/content/2/1/37>).
 139. Revie D., Alberti MO., Braich RS., Chelyapov N., Bayles D., Prichard JG., and **Salahuddin SZ**. Analysis of in vitro replicated human hepatitis C virus (HCV) for the determination of genotypes and quasispecies. *Virology Journal* 3:81, 2006 (<http://virologyj.com/content/3/1/81>).

140. Revie D., Alberti MO., Braich RS., Bayles D., Prichard JG., and **Salahuddin SZ**. Discovery of significant variants containing large deletions in the 5'UTR of human hepatitis C virus (HCV). *Virology Journal* 3:82, 2006 (<http://www.virologyj.com/content/3/1/82>).
141. **Salahuddin SZ**, Snyder KA., Godwin A., Grewal R., Prichard JG., Kelley AS., Revie D. The simultaneous presence and expression of human hepatitis C virus (HCV), human herpesvirus-6 (HHV-6), and human immunodeficiency virus-1 (HIV-1) in a single human T-cell. (<http://www.virologyj.com/content/4/1/106>).
142. Revie D., Alberti MO., Prichard JG., Kelley AS., **Salahuddin SZ**. Analysis of the 5'UTR of HCV genotype 3 grown in vitro in human B cells, T cells, and macrophages. (<http://www.virologyj.com/content/7/1/155>).

BOOK

1. **Human Herpesvirus-6: Epidemiology, Molecular Biology and Clinical Pathology.**

Editors:

Ablashi DV, Krueger GRF and Salahuddin SZ.

Publishers:

Elsevier Science Publishers B.V., 1992.

PATENTS

1. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molecular Cloning and Clones of Human B Lymphotropic Virus (HBLV). Patent allowed, World Intellectual Property Organization (WPO) # WO 8801305A1, issued February 25, 1987
2. **Salahuddin SZ**, and Gallo RC. Human B Lymphotropic Virus (HBLV) Isolation and Products. Patent allowed, World Intellectual Property Organization (WPO) # WO8800980A1, issued February 11, 1988
3. Gallo RC, **Salahuddin SZ**, Saxinger CW, Ablashi DV. Patent allowed, World Intellectual Property Organization (WPO) # WO8801387A1, issued February 25, 1988.
4. **Salahuddin SZ**, Nakamura S, Gallo RC. Kaposi's Sarcoma: endothelial cells and Growth factor. Patent allowed, US Patent # 5106731, issued Oct 21, 1988
5. Gallo RC, **Salahuddin SZ**, Saxinger CW, Ablashi DV. Testing for the Human T Lymphotropic Virus (HBLV). Patent allowed, European Patent Office (EPO) # EP319542A1, issued June 14 1989.
6. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molecular Cloning and Clones of Human B Lymphotropic Virus (HBLV). Patent allowed, European Patent Office (EPO) # EP321489A1, issued June 28, 1989
7. Saxinger CW, Gallo RC, Ablashi DV, **Salahuddin SZ**. Diagnostic Test for HBLV. Patent allowed, World Intellectual Property Organization (WIPO) # WO9003447A1, issued April 5, 1990.
8. Gallo RC, **Salahuddin SZ**, Saxinger CW, Ablashi DV. Testing for the B Lymphotropic Virus (HBLV). Patent allowed, European Patent Office # EP319542A4, issued November 28, 1990.
9. **Salahuddin SZ**, Nakamura, S, Gallo, Radka SF, Linsley PS, Shoyab M. Moklonale Antikoerper, Die Das Wachstum Des Karposissarcoma Inhibieren. Patent allowed, Germany # DE126060T2, issued March 26, 1991
10. Saxinger CW, Gallo RC, Ablashi DV, **Salahuddin SZ**. Diagnostic Test for HBLV. European Patent Office # EP436622A1, issued July 17 1991.

11. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molecular Cloning and Clones of Human B Lymphotropic Virus (HBLV). Patent allowed, European Patent Office # EP321489A4, issued March 13, 1991.
12. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsley PS, Shoyab M. Monoklonale Antistoffer, Som Inhiberer Vaeksten AF Kaposis Sarcom. Patent allowed, Demnark # DK 450472T3, issued March 26, 1991
13. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsely PS, Shoyab M. Monoclonal Antibodies that Inhibit Growth of Kaposi's Sarcoma. Patent allowed, Canada # CA2039230AA, issued September 30, 1991.
14. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsley PS, Shoyab M. Monoclonal Antobodies that Inhibit Kaposi's Sarcoma. Patent allowed, European Patent Office EP450472A1, issued October 9, 1991
15. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, LinsleyPS, Shoyab M. Process for the Production of Monoclonal Antobodies Against Kaposi's Sarcoma. Patent allowed, Hungary HU911005A0, issued October 28, 1991.
16. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsley, PS, Shoyab M. Process for producing Monoclonal antibodies against Kaposi's Sarcoma. Patent allowed, Hungary # HU057274A2, issued November 28, 1991
17. **Salahuddin SZ**, Nakamura S and Gallo RC: Growth Factors and Kaposi's sarcoma derived cloned cell lines (DHHS # E-377-87, revised application US # 07/261,014). Patent allowed, US patent # 5,106,731 issued April 21, 1992.
18. Gallo RC, **Salahuddin SZ**, Saxinger CW, Ablashi DV. Testing for the Human B Lymphotropic Virus. Pppatent allowed, Canada # CA1308651A1, issued October 13, 1992.
19. **Salahuddin SZ**, and Gallo RC. Human B Lymphotropic Virus (HBLV) Isolation and Products. Patent allowed, European Patent Office (EPO) # EP318498B1, issued March 3, 1993
20. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsely PS, Shoyab M. Monoklonal Antibodies that Inhibit Growth of Kaposi's Sarcoma. Patent allowed, South Africa # ZA9102137A, issued November 22, 1992.
21. **Salahuddin SZ**, and Gallo RC. Menslicher B-lymphotrope (HBLV), Isolierung Und Erzeugnisse. Patent allowed, Germany # DE 3784513C0, issued April 8, 1993.

22. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molekulare Klonierung Lymphotropischer Virus Klon (HBLV). Patent allowed, Germany # DE 3784939C0, issued April 22 1993
23. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molecular Cloning and Clones of B Lymphotropic Virus (HBLV). Patent allowed, European Patent Office # EP321489B1, issued May 17, 1993.
24. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ** . Molekulare Klonierung Lymphotropischer Virus Clone. Patent allowed, Germany # DE 3784939T2, issued July 8, 1993
25. Ablashi DV, **Salahuddin SZ** and Gallo RC: Cell lines for HBLV production, reagents and diagnostic testing (DHHS # 130515).
26. Saxinger CW, Gallo RC, Ablashi DV, **Salahuddin SZ**. Diagnostic Test for HBLV (HHV-6). (DHHS # 250301) Patent allowed, European Patent Office (EPO) # EP436622A4, issued March 17 1993
27. **Salahuddin SZ** and Ablashi DV: Diagnostic test for HBLV (HHV-6) (DHHS # 250301).
28. **Salahuddin SZ**, and Gallo RC. Menschlicher B-lymphotrope (HBLV), Isolierung Und Erzeugnisse. Patent allowed, Germany # DE 3784513T2, issued Sept. 16, 1993
29. Josephs SF, Gallo RC, Wong-Staal FY, **Salahuddin SZ**. Molecular Cloning and Lymphotropic Virus. Patent allowed, Canada # CA 1322342A1, issued Sept. 21, 1993
30. Gallo RC, **Salahuddin SZ**, Saxinger CW, Ablashi DA. Testverfahren Des Men Lymphotropen Virus (HBLV). Patent allowed, Germany # DE 3788424C0, issued January 20, 1994
31. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsely PS, Shoyab M. Growth Inhibitor of Kaposi's Sarcoma. Patent allowed, Japan # JP6340551A2, issued December 13, 1994.
32. **Salahuddin SZ** and Gallo RC: Clonally produced cell line for the production of Human T-Lymphotropic Virus Type 1 (HTLV-1), (DHHS # E-605-87).
33. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsley PS and Shoyab M: The use of monoclonal antibodies that define Oncostatin M to inhibit growth of Kaposi's

sarcoma (Application serial # 07-502-141)

34. Nakamura S, Gallo RC, Osada Y, Sakaruda S, Tanaka N, and **Salahuddin SZ**: A method for treating Kaposi's sarcoma and blocking or inhibiting vascular permeability. (# 07-810-420, DHHS # E-196-91). Patent allowed, US patent #5,518,999 issued on May 21, 1996.
35. **Salahuddin SZ**, Nakamura S, Gallo RC, Radka SF, Linsley PS, Shoyab M. Monoclonal Antibodies that Inhibit growth of Kaposi's Sarcoma. Patent issued, Greece # GR 3024336T3, issued July 31, 1997
36. **Salahuddin SZ**, Ablashi DV, Josephs SF, Saxinger C, Wong-Staal F and Gallo RC: Human herpesvirus-6 (HHV-6) isolation and products. (DHHS # 255172 U.S. Patent refilled Oct, 8,1988). Patent allowed, US patent # 5,604,093 issued February 18, 1997
37. **Salahuddin SZ**. Chelyapov N.: Recombinant HIV-1 and modified packaging cells and method for treating acquired immunodeficiency syndrom-2 (submitted # 08/563,597 filed November 28, 1995). Patent allowed, US Patent #5,753,490 issued on May 19, 1998.
38. **Salahuddin SZ** and Gallo RC: Human Herpesvirus-6 (HHV-6) isolations and products (DHHS # E-454-86). Patent allowed, US patent # 6,018,027, issued January 25, 2000
39. **Salahuddin SZ**, Ablashi D, Josephs SF, Saxinger CW, Wong-Staal F, and Gallo RC. Antibodies Against Human Herpes Virus-6 (HHV-6) and method of use (DHHS # 08/774,118). Patent allowed, US Patent # 6,054, 283 issued April 25, 2000.
40. **Salahuddin SZ**, Chelyapov N: Recombinant HIV-1 and modified packaging cells and method for treating acquired immunodeficiency syndrom-1 (submitted # 08/563,360 filed November 28, 1995). Patent allowed, US patent # 6063374, May 16, 2000
41. **Salahuddin SZ**: Kupffer's cell replication in vitro for passive therapy for the failing liver, autotransplant (Submitted).
42. **Salahuddin SZ**: Method of isolation and replication of infectious human hepatitis-C virus (based on PCT/US2004/026720) filed August 14, 2004 which claims priority of US serial No. 60/495,078 filed August 14, 2003.