

CURRICULUM VITAE

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5601 Norris Canyon Road Suite 340
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EDUCATION

1983–1987 B.S. with Honors and Distinction, Cornell University, Ithaca, NY
1987–1994 M.D., Ph.D., State University of New York, Health Science Center (SUNY-HSC) at
Syracuse Medical/Graduate School.

Ph.D. Thesis “Applications and Variations of Polymerase Chain Reaction for the Detection and
Characterization of Retroviruses.” Supervisor, Dr. Bernard J. Poiesz; Chief, Medical Oncology

Medical Training

7/94–6/95 Internship in Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
6/95–6/96 Residency in Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
7/1/96–5/00 Medical Oncology Fellowship University of California, San Francisco
8/97–5/00 Postdoctoral Fellowship, Laboratory of Dr. Warner C. Greene, Gladstone Institute of
Virology & Immunology, UCSF

Professional Positions

07/18–present Volunteer clinical instructor... John Muir Family Medicine Residency Program,
affiliated with UCSF
07/15–present Adjunct Assistant Professor Oncology & Hematology,
Touro University, College of Osteopathic Medicine
Mare Island, Vallejo, Ca
02/05–present Owner, Michael P. Sherman M.D., Ph.D., A Medical Corporation (DBA Contra
Costa Oncology)
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1210 Rossmoor Parkway, Walnut Creek, Ca 94595
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9/02–1/05 Oncologist, Private Practice, Diablo Valley Oncology & Hematology Medical Group
110 Tampico Drive, Suite 100, Walnut Creek, Ca 94598
8/1/00–9/02 Assistant Clinical Professor of Medicine, UCSF; Oncology Attending,
San Francisco General Hospital

3/01-12/02 Staff Scientist, Gladstone Institute of Virology & Immunology
5/00-2/01 Research Scientist, Gladstone Institute of Virology & Immunology

Hospital Affiliations/Privileges

09/02 to Present John Muir Medical Center, Concord Campus
09/02 to Present San Ramon Regional Medical Center

Honors and Awards

1981 – Honors Award, Westinghouse Science Talent Search
1984 – Fellowship, Muscular Dystrophy Association for Research, Columbia Presbyterian Medical Center, New York
1985 – Cornell University Varsity Letter in Football
1986 – Elected to the Honor Society, Cornell University
1987 – Dean’s List for Six Semesters, Cornell University
– Graduated Cornell University with Distinction for Finishing in the Top 10%
– Graduated Cornell with Honors for Completing a Senior Honors Thesis
1990 – First Place, Alpha Omega Alpha Research Forum, HSC at Syracuse
– Fellowship from the American Heart Association
– Young Investigator Award, International Society of Hematology
1991 – Fellowship from the American Heart Association
1992 – First Place, Alpha Omega Alpha Research Forum, HSC at Syracuse
1993 – Inducted into the New York Gamma Chapter of Alpha Omega Alpha
1994 – The Paul A. Bunn, MD Award for Excellence in the Area of Infectious Diseases, SUNY-HSC at Syracuse
– Letter of Commendation from the Academic Promotions Committee for the academic year 1993-1994 from SUNY-HSC at Syracuse
– Honor Award for successful completion of the academic research program at SUNY-HSC at Syracuse
– John Bernard Henry, MD Endowed Scholarship for Biomedical Education & Research in the Health Professions; Award for both Medical & Graduate Colleges
1996 – Diplomat of the National Board of Medical Examiners
2000 – Cornelius L. Hopper Award for the Finest Abstract by a Young Investigator, Presented at the Third Annual Conference on AIDS Research in California by the University Wide AIDS Research Program
2002 – Travel Award, for an invited talk at the 9th Conference on Retroviruses and Opportunistic Infections Seattle, WA
2002 – Travel Award for an invited talk at the Keystone Symposium on HIV Pathogenesis: “Recent Advances in the Biology and Pathogenesis of Primate Lentiviruses”

Hospital Positions

04/05-present Member, Medical Ethics Committee, San Ramon Regional Medical Center
04/05-present Member, Blood Usage Committee, San Ramon Regional Medical Center
04/21-present Vice Chairman Dept. Medicine, San Ramon Regional Medical center

Clinical Trials

Primary Investigator

Farnesyl Transferase Inhibitor Zarnestra[®] (tipifarnib, R115777) in patients with Relapsed-Refractory AML R115777-INT-20 WIRB[®] Protocol #20061074

SPONSOR: Johnson & Johnson Pharmaceutical Research and Development, L.L.C. Raritan, New Jersey, United States

Primary Investigator

A multi-center, Open label Randomized, Phase 2 Clinical Trial Evaluating Safety and Efficacy of FOLFIRI with Either Panitumumab or Bevacizumab as Second-line Treatment in Subjects with Metastatic Colorectal Cancer

SPONSOR: Amgen protocol number 20060141

Patents

- **Compositions and Methods for Delivering a Molecule into a Cell.**
U.S. Patent. Serial numbers 60/206,610 and 60/267,827.
- **Methods for Inhibiting Lentivirus Replication.**
U.S. Patent Pending. Serial numbers 60/206,610 and 60/267,827.
- **Cyclophilin is Required for HIV-1 Vpr Stability.**
U.S. Patent Pending. Serial numbers 10/285,263

Funding/Grants

- 3/01–12/02 - KO8AI01866-01 "Analysis of HIV Vpr Action in Lymphoid Histoculture"
Michael P. Sherman MD/PhD Principle Investigator
- 9/00–2/01 - NIH T32 Biology of Infectious Diseases Training Program UCSF, Department of Infectious Diseases
- 6/97–5/99 - NIH T32 AIDS Research Training Program UCSF, Department of Medicine

Speaking Faculty:

- Amgen
- Aventis Sanofi-Syntheco
- Bristol-Myers Squibb
- Genentech BioOncology
- Pfizer
- The Leukemia & Lymphoma Society

Certifications

- 1999 - Board Certified in Medical Oncology, American Board of Internal Medicine
- 1998 - Board Certified in Internal Medicine, American Board of Internal Medicine

Memberships

- American Medical Association
- American Association for the Advancement of Science
- Alpha Omega Alpha Honor Society

- American Society of Clinical Oncology
- Alameda Contra Costa Medical Association

Medical Licensure/Board Certifications:

- California Lic. #G83108
- Internal Medicine Board Certification through 12-2022
- Medical Oncology Board Certification through 12-2029

Publications

1. **Sherman, M.P.**, G.D. Ehrlich, J.F. Ferrer, J.J. Sninsky, R. Zandomeni, N.L. Dock, and B.J. Poiesz. 1992. Amplification and analysis of specific DNA and RNA sequences of bovine leukemia virus from infected cows by polymerase chain reaction. *J. Clin. Microbiol.* 30: 185–191
2. Ehrlich, G.D., J. Andrews, **M.P. Sherman**, S.J. Greenberg, and B.J. Poiesz. 1992. DNA sequence analysis of the HTLV–I p21E transmembrane protein gene reveals intra– and inter–isolate genetic heterogeneity. *Virology* 186: 619–627.
3. **Sherman, M.P.**, N.K. Saksena, D.K. Dube, R. Yanagihara, and B.J. Poiesz. 1992. Evolutionary insights on the origin of human T–cell lymphoma/leukemia virus type I (HTLV–I) derived from sequence analysis of a new HTLV–I variant from Papua New Guinea. *J. Virology* 66: 2556–2563.
4. Saksena, N.K., **M.P. Sherman**, R. Yanagihara, D.K. Dube, and B.J. Poiesz. 1992. LTR sequence and phylogenetic analyses of a newly discovered variant of HTLV–I isolated from the Hagahai of Papua New Guinea. *Virology*, 189: 1–9.
5. Iannone, R., **M.P. Sherman**, P.E.B. Rodgers–Johnson, M.A. Beilke, C.A. Beilke, C.A. Mora, R.M. Amin, S.R. Tinsley, L.D. Papsidero, B.J. Poiesz, and C.J. Gibbs. 1992. HTLV–I DNA sequences in CNS tissue of a patient with tropical spastic paraparesis and HTLV–I–associated myelopathy. *J. AIDS* 5: 810–816.
6. Loughran , T.P., T. Coyle, **M.P. Sherman**, G. Starkebaum, G.D. Ehrlich, F.W. Ruscetti, and B.J. Poiesz. 1992. Detection of human T–cell leukemia/lymphoma virus type II in a patient with LGL leukemia. *Blood* 5: 1116–1119.
7. Saksena, N.K., V. Hervé, **M.P. Sherman**, J.P. Durand, C. Mathiot, M. Müller, J.L. Love, D.K. Dube, and B.J. Poiesz. 1993. Sequence and phylogenetic analysis of a new STLV–I from a naturally infected Tantalus monkey from Central Africa. *Virology* 192: 312–320.
8. Dube, D.K., **M.P. Sherman**, N.K. Saksena, V. Bryz–Gornia, J. Mendelson, J. Love, C.B. Arnold, T. Spicer, J.B. Glaser, A.E. Williams, M. Nishimura, S. Jacobsen, and B.J. Poiesz. 1993. Genetic Heterogeneity in human T–cell leukemia/lymphoma virus type II. *J. Virology* 67: 1175–1184.
9. **Sherman, M.P.**, S. Dube, T.P. Spicer, T.D. Kane, J.L. Love, R. Iannone, C.J. Gibbs, R. Yanagihara, D.K. Dube, and B.J. Poiesz. 1993. Sequence analysis of an immunogenic and neutralizing domain of the Human T–Cell lymphoma/Leukemia Virus Type I (HTLV–I) gp46

- extracellular membrane protein from a patient with both HTLV-I associated myelopathy and adult T-cell leukemia. *Cancer Research* 53: 6067–6073.
10. Ferrer, J.F., N. Del Pino, E. Esteban, **M.P. Sherman**, S. Dube, D.K. Dube, M.A. Basombrio, E. Pimentel, A. Segovia, S. Quirulas, and B.J. Poiesz. 1993. High rate of infection with human T-cell leukemia retrovirus type II in four Indian populations of Argentina. *Virology* 197: 576–584.
 11. Saksena, N.K., V. Herve, J.P. Durand, B. LeGuenzo, O.M. Diop, J.P. Digoutte, C. Mathiot, M.C. Muller, J.L. Love, S. Dube, **M.P. Sherman**, P.M. Benz, S. Erensoy, A. Galat-Luong, G. Galat, B. Paul, D.K. Dube, F. Barre-Sinoussi, and B.J. Poiesz. 1993. Seroepidemiologic, molecular, and phylogenetic analyses of simian T-cell leukemia viruses (STLV-I) from various naturally infected monkey species from central and western Africa. *Virology* 198: 297–310.
 12. **Sherman, M.P.**, D.K. Dube, N.K. Saksena, and B.J. Poiesz. Human T-Cell Lymphoma/Leukemia Viruses and Malignancy. 1993. In: Leukemia: Advances in Research and Treatment (E.J. Freireich and H. Kantarjian, eds.), Kluwer Academic Publishers, Norwell, MA. pp. 79–103., G. Starkebaum, and B.J. Poiesz. 1994. Seroreactivity to HTLV-I/II proteins in patients with LGL leukemia. *Leukemia Research* 18: 423–429.
 13. **Sherman, M.P.**, R.M. Amin, P.E.B. Rodgers-Johnson, O.S.C. Morgan, G. Char, C.A. Mora, R. Iannone, G.H. Collins, L. Papsidero, C.J. Gibbs, and B.J. Poiesz. 1994. Identification of Human T-cell leukemia/lymphoma virus type I antibodies, DNA, and protein in patients with polymyositis. *Arthritis and Rheumatism* 38: 690–698.
 14. **Sherman, M.P.**, N.L. Dock, G.D. Ehrlich, J.J. Sninsky, C. Brothers, J. Gillsdorf, V. Bryz-Gornia, and B.J. Poiesz. 1994. Evaluation of HIV type 1 Western blot-indeterminate blood donors for the presence of human or bovine retroviruses. *AIDS Res. Hum. Retro.* 11: 409–414.
 15. Esteban, E.N., **M.P. Sherman**, B.J. Poiesz, Marshak, D.J. Waters, and J.F. Ferrer. 1996. Transmission of Human T-cell leukemia virus type I to sheep: Antibody profile and detection of viral DNA sequences. *AIDS Res. Hum. Retro.* 12: 1717–1724.
 16. **Sherman, M.P.**, C. M. C. de Noronha, D. Pearce and W. C. Greene. 2000. HIV-1 Vpr Contains Two Leucine-rich Putative Helices That Function As Glucocorticoid Receptor Coactivator Domains. *J. Virology* 74: 15–21.
 17. Henklein*, P., K. Bruns*, **M.P. Sherman***, Tessmer, K. Licha, J. Kopp, C. M.C. de Noronha, W. C. Greene, V. Wray, and U. Schubert. 2000. Functional and Structural characterization of synthetic Vpr from HIV-1 that transduces cells, localizes to the nucleus and induces G₂ cell cycle arrest. *J. Biol. Chem.* 275(41):32016-26 * Authors Contributed equally
 18. Poiesz, B.J., L.D. Papsidero, G. Ehrlich, **M. Sherman**, S. Dube, K. Dillon, F.W. Ruscetti, D. Slamon, C. Fang, A. Williams, D. Duggan, J. Glaser, A. Gottlieb, J. Goldberg, L. Ratner, P. Philips, T. Han, A. Friedman-Kien, F. Siegal, K. Rai, A. Sawitsky, J. Sninsky, L.W.A. Shermata, H. Dosik, C. Cunningham, and R. Montagna. 2001. The prevalence of Human Retroviruses in various patient populations, retroviral risk groups and healthy blood donors in the United States. *American J. Hematology* 66:32-38.

19. **Sherman, M. P.**, C. M.C. de Noronha, M. Heusch, S. Greene, W.C. Greene. 2001. Characterization of Nuclear Import and Export of HIV-1 Vpr. *J. Virology* 75:1522-1532.
20. de Noronha, C.M.C., **M.P. Sherman**, H.W. Lin, M. Cavrois, R.D. Moir, R.D. Goldman, and W.C. Greene. 2001. HIV-1 Vpr induces dynamic disruptions in nuclear envelope architecture and integrity. *Science* 294:1105-1108.
21. Eckstein, D.A., M.L. Penn, Y.D. Korin, D.D. Scripture-Adams, J.A. Zack, J.F. Kreisberg, M. Roederer, **M.P. Sherman**, C.R. Klein, P. Chin, and M.A. Goldsmith. 2001. HIV-1 actively replicates in naive CD4⁺ T-cells residing within human lymphoid tissue. *Immunity* 15:671-682
22. Eckstein *, D., **M.P. Sherman ***, M. Penn, C.M.C. de Noronha, W.C. Greene and M. Goldsmith. 2001. HIV-1 Vpr enhances viral burden by facilitating infection of tissue macrophages but does not contribute to productive infection of non-dividing naïve T-cells. *J. Ex. Med.* 194:1407-1419. *Authors Contributed equally
23. **Sherman, M.P.**, U. Schubert, S.W. Williams, P. Heinklein, C.M.C. de Noronha, and W.C. Greene. 2002. HIV-1 Vpr Displays Natural Protein Transducing Properties: Implications for viral pathogenesis. *Virology* 302:95-105
24. **Sherman, M.P.**, D. Eckstein, J. Hataye, S.A. Williams, C.M.C. de Noronha and W.C. Greene. HIV-1 Vpr export is required for virion incorporation and efficient macrophage infection in lymphoid histoculture. 2003. *J. Virology* Jul;77(13):7582-9.
25. Zander, * K., **M. P. Sherman***, U. Tessmer*, K. Bruns, V. Wray, A.T. Prechtel, E. Schubert, P. Henklein, J. Luban, J. Neidleman, W.C. Greene, and U. Schubert . Cyclophilin A interacts with HIV-1 Vpr and is required for its functional expression. 2003. *J Biol Chem.* 2003 Oct 31;278(44):43202-13 *Authors Contributed equally
26. Zimmerman ES, **Sherman MP**, Blackett JL, Neidleman JA, Kreis C, Mundt P, Williams SA, Warmerdam M, Kahn J, Hecht FM, Grant RM, de Noronha CM, Weyrich AS, Greene WC, Planelles V. Human immunodeficiency virus type 1 Vpr induces DNA replication stress in vitro and in vivo. *J Virol.* 2006 Nov;80(21):10407-18.
27. D. Park, R. Airi, and **Michael Sherman**. Microsatellite instability driven metastatic parathyroid carcinoma managed with the anti-PD1 immunotherapy, pembrolizumab. *British Medical Journal Case Reports.* 2020;13 e235293

Reviews and Chapters

1. **Sherman, M.P.** and B.J. Poiesz. Insights Into HTLV-I Structure, Function, and Evolution. 1992. In: Kaleidoscope, Monogram of Medicine (Sergio Rassu, ed.), Medical Systems S.p.A., Genoa, Italy p.1-52.
2. Poiesz, B.P., **M.P. Sherman**, N.K. Saksena, D. Dube, B. Paul, S. Erensoy, S. Dube, N. Fan, J. Gavalchin, and M. Lane. The biology and epidemiology of the primate T-cell lymphoma/leukemia viruses. 1992. *J. Preventive Medicine and Hygiene.* 32(s): 7-8.
3. **Sherman, M.P.** and B.J. Poiesz. Cytokines and Human Retroviruses. 1993. In: Clinical Applications of Cytokines: Role in Pathogenesis, Diagnosis and Therapy (JJ. Oppenheim, JL. Rossio, AJH. Gearing, Eds.), Oxford University Press, New York. pp.93-103.

4. Poiesz, B.J., **M.P. Sherman**, N.K. Saksena, D.K. Dube, S. Dube, J. Gavalchin, N. Fan, M. Lane, and B. Paul. 1993. The Biology and Epidemiology of the Human T-Cell Lymphoma/Leukemia Viruses. In: Frontiers of Infectious Diseases. Focus on HIV. (H.C. Neu, J. Levy, and R. Weiss, Eds.) Churchill Livingstone Publishers, London. pp. 189–205.
5. Dube, D.K., S. Dube, **M.P. Sherman**, J. Love, N.K. Saksena, W.J. Harrington Jr., J.F. Ferrer, L. Papsidero, L. Dyster, R. Yanagihara, A.E. Williams, J.B. Glaser, V.M.A. Herve, F. Barre-Sinoussi, B.S. Blumberg, and B.J. Poiesz. 1994. Genetic heterogeneity in primate T-cell lymphoma/leukemia viruses. In: Methods in Neuroscience; PCR in Neuroscience (G. Sarkar, Ed.). Academic Press Inc. New York. Pp. 358–379.
6. **Sherman, M.P.**, S. Dube, D.K. Dube, and B.J. Poiesz. 1994. Virally Induced T Cell Malignancies and Associated Diseases. In: Clinical Immunology: Principles and Practice, Ed. 1. (R.A. Rich, ed.). Mosby-Year Book, Inc., St. Louis. pp. 1785–1800.
7. **Sherman, M.P.** and W.C. Greene. 2001. Slipping Through the Door: HIV Entry into the Nucleus. *Microbes and Infection* 4:67–73.
8. **Sherman, M.P.**, C.M.C. de Noronha, S.A. Williams, and W.C. Greene. 2002. Insights into the biology of HIV-1 viral protein R. *DNA and Cell Biol.* 21:679-688.