

# Stanford

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## Thomas Charles Merigan M.D.

George E. and Lucy Becker Professor of Medicine, Emeritus  
Medicine - Infectious Diseases

Curriculum Vitae available Online

### Bio

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#### ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Infectious Diseases

#### HONORS AND AWARDS

- John Simon Guggenheim Memorial Fellowship Award, John Simon Guggenheim Foundation (1972)
- Borden Award for Outstanding Research, American Association of Medical Colleges (1973)
- Elected Fellow, Infectious Diseases Society of America (1975)
- Founding Member, American Society for Virology (1981)
- MERIT [Method to Extend Research in Time]Award, National Institutes of Allergy & Infectious Diseases (1988)
- Maxwell Finland Lectureship Award, Infectious Diseases Society of America (1988)
- Elected Fellow, American Association for the Advancement of Science (1995)
- George E. and Lucy Becker Professor of Medicine, Stanford University (1980-2006)
- Elected Member, Institute of Medicine,National Academy of Sciences (1980)
- Identified as one of "The One Thousand Most Cited Contemporary Scientists", Institute for Scientific Information (1973-1988)
- "Making A Difference" Award, Hollis-Eden Corporation, San Diego, CA (2001)
- Establishment of Annual Thomas C. Merigan, Jr. Endowed Lectureship in I.D., Stanford Medical School, Funded by Friends and Former Fellows (1994)
- Elected to Honorary Membership, International Society for Interferon and Cytokine Research (2001)
- One of "250 Most Highly Cited Scientists in Clinical Medicine over 20 years,1983-2001", Institute of Scientific Information (2004)
- Festschrift with publication(J. of Inf. Dis. 162,Supp. 1,2006), Sponsored by former students (2004)
- Endowed Thomas C and Joan M Merigan chair in Medicine, Stanford University (2008)

#### LINKS

- Website: <http://www.pbase.com/merigan/profile>
- Wikipedia entry: [http://en.m.wikipedia.org/wiki/Thomas\\_C.\\_Merigan](http://en.m.wikipedia.org/wiki/Thomas_C._Merigan)

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am now emeritus and only participate in university activities through advising my former trainees who have joined the faculty.

## CLINICAL TRIALS

- A Phase I/II, Open Label Study to Evaluate the Antiviral Potential of Combination Zidovudine and 2' 3'-Dideoxyinosine (Didanosine) in Patients With Asymptomatic HIV Disease, Not Recruiting
- A Study of Zidovudine in HIV-Infected Patients Who Have Hemophilia, Not Recruiting
- An Escalating Dose Tolerance Trial of BG8962 (rCD4) in Patients Who Are HIV Antibody Positive, Not Recruiting
- Comparison of Three Anti-HIV Drug Combinations in HIV-Infected Patients With No Symptoms of the Disease, Not Recruiting
- Phase I Trial of the Combination of Zidovudine and Recombinant Interleukin-2 in Patients With Persistent Generalized Lymphadenopathy, Not Recruiting
- Safety and Efficacy of Polyethylene Glycolated IL-2 (PEG IL-2) Plus Zidovudine in HIV Positive, Asymptomatic and Symptomatic Individuals, Not Recruiting
- The Safety and Effectiveness of a Type of Interleukin-2 Plus Zidovudine Plus Thymosin in HIV-Positive Patients With and Without Symptoms of Infection, Not Recruiting

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

## Publications

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### PUBLICATIONS

- **Role of Physician-Scientists in the Control of Human Immunodeficiency Virus** *JOURNAL OF INFECTIOUS DISEASES*  
Merigan, T. C.  
2018; 218: S3–S6
- **Role of Physician-Scientists in the Control of Human Immunodeficiency Virus.** *The Journal of infectious diseases*  
Merigan, T. C.  
2018; 218 (suppl\_1): S3–S6
- **In vitro HIV-1 evolution in response to triple reverse transcriptase inhibitors & in silico phenotypic analysis.** *PloS one*  
Rath, B. A., Yousef, K. P., Katzenstein, D. K., Shafer, R. W., Schütte, C., von Kleist, M., Merigan, T. C.  
2013; 8 (4)
- **T Cell Activation Markers and African Mitochondrial DNA Haplogroups among Non-Hispanic Black Participants in AIDS Clinical Trials Group Study 384** *PLOS ONE*  
Hulgari, T., Robbins, G. K., Kalams, S. A., Samuels, D. C., Grady, B., Shafer, R., Murdock, D. G., Selph, D., Haas, D. W., Pollard, R. B.  
2012; 7 (8)
- **Persistence versus Reversion of 3TC Resistance in HIV-1 Determine the Rate of Emergence of NVP Resistance** *VIRUSES-BASEL*  
Rath, B. A., Olshen, R. A., Halpern, J., Merigan, T. C.  
2012; 4 (8): 1212-1234
- **Mitochondrial Genomics and CD4 T-Cell Count Recovery After Antiretroviral Therapy Initiation in AIDS Clinical Trials Group Study 384** *60th Annual Meeting of the American-Society-of-Human-Genetics*  
Grady, B. J., Samuels, D. C., Robbins, G. K., Selph, D., Canter, J. A., Pollard, R. B., Haas, D. W., Shafer, R., Kalams, S. A., Murdock, D. G., Ritchie, M. D., Hulgari, T.  
LIPPINCOTT WILLIAMS & WILKINS.2011: 363–70
- **PHASE II SAFETY AND EFFICACY OF OZ1: RETROVIRAL VECTOR ANTI-TAT/VPR RIBOZYME FOR HIV-1**  
Macpherson, J., Evans, L., Symonds, G., Pond, S., Mitsuyasu, R., Merigan, T., Cooper, D.  
JOHN WILEY & SONS LTD.2009: 846–47
- **Phase 2 gene therapy trial of an anti-HIV ribozyme in autologous CD34(+) cells** *NATURE MEDICINE*  
Mitsuyasu, R. T., Merigan, T. C., Carr, A., Zack, J. A., Winters, M. A., Workman, C., Bloch, M., Lalezari, J., Becker, S., Thornton, L., Akil, B., Khanlou, H., Finlayson, et al  
2009; 15 (3): 285-292

- **Multilocus genetic interactions and response to efavirenz-containing regimens: an Adult AIDS Clinical Trials Group study** *13th Conference on Retroviruses and Opportunistic Infections*  
Motsinger, A. A., Ritchie, M. D., Shafer, R. W., Robbins, G. K., Morse, G. D., Labbe, L., Wilkinson, G. R., Clifford, D. B., D'Aquila, R. T., Johnson, V. A., Pollard, R. B., Merigan, T. C., Hirsch, et al  
LIPPINCOTT WILLIAMS & WILKINS.2006: 837–45
- **Effect of baseline- and treatment-related factors on immunologic recovery after initiation of antiretroviral therapy in HIV-1-positive subjects: Results from ACTG 384 JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES**  
Gandhi, R. T., Spritzler, J., Chan, E., Asmuth, D. M., Rodriguez, B., Merigan, T. C., Hirsch, M. S., Shafer, R. W., Robbins, G. K., Pollard, R. B.  
2006; 42 (4): 426-434
- **Newer antiretroviral treatment regimens drive HIV-1 RT and PR mutational patterns in a national reference laboratory database** *15th International HIV Drug Resistance Workshop*  
Kagan, R., Merigan, T., Winters, M., Huard, T., Lewinski, M.  
INT MEDICAL PRESS LTD.2006: S133–S133
- **"Wide-open" 1.3 angstrom structure of a multidrug-resistant HIV-1 protease as a drug target** *STRUCTURE*  
Martin, P., Vickrey, J. F., Proteasa, G., Jimenez, Y. L., Wawrzak, Z., Winters, M. A., Merigan, T. C., Kovari, L. C.  
2005; 13 (12): 1887-1895
- **Pharmacogenetics of long-term responses to antiretroviral regimens containing efavirenz and/or nelfinavir: An adult AIDS clinical trials group study** *12th Conference on Retroviruses and Opportunistic Infections*  
Haas, D. W., Smeaton, L. M., Shafer, R. W., Robbins, G. K., Morse, G. D., Labbe, L., Wilkinson, G. R., Clifford, D. B., D'Aquila, R. T., De Gruttola, V., Pollard, R. B., Merigan, T. C., Hirsch, et al  
UNIV CHICAGO PRESS.2005: 1931–42
- **Pharmacokinetics of nelfinavir and efavirenz in antiretroviral-naïve, human immunodeficiency virus-infected subjects when administered alone or in combination with nucleoside analog reverse transcriptase inhibitors** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Smith, P. F., Robbins, G. K., Shafer, R. W., Wu, H. L., Yu, S., Hirsch, M. S., Merigan, T. C., Park, J. G., Forrest, A., Fischl, M. A., Morse, G. D.  
2005; 49 (8): 3558-3561
- **Antiviral activity of lamivudine in salvage therapy for multidrug-resistant HIV-1 infection** *CLINICAL INFECTIOUS DISEASES*  
Campbell, T. B., Shulman, N. S., Johnson, S. C., Zolopa, A. R., Young, R. K., Bushman, L., Fletcher, C. V., Lanier, E. R., Merigan, T. C., Kuritzkes, D. R.  
2005; 41 (2): 236-242
- **Insertions in the human immunodeficiency virus type 1 protease and reverse transcriptase genes: Clinical impact and molecular mechanisms** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Winters, M. A., Merigan, T. C.  
2005; 49 (7): 2575-2582
- **Nonnucleoside reverse transcriptase inhibitor phenotypic hypersusceptibility can be demonstrated in different assays** *12th International HIV Drug Resistance Workshop*  
Shulman, N. S., Delgado, D., Bosch, R. J., Winters, M. A., Johnston, E., Shafer, R. W., Katzenstein, D. A., Merigan, T. C.  
LIPPINCOTT WILLIAMS & WILKINS.2005: 78–81
- **New two-amino acid insertion near codon 70 of the HIV type 1 protease gene** *AIDS RESEARCH AND HUMAN RETROVIRUSES*  
Winters, M. A., Kagan, R. M., HESELTINE, P. N., Merigan, T. C.  
2005; 21 (4): 311-313
- **Rare one and two amino acid inserts adjacent to codon 103 of the HIV-1 reverse transcriptase (RT) affect susceptibility to non-nucleoside RT inhibitors** *ANTIVIRAL THERAPY*  
Winters, M. A., Kagan, R. M., Kovari, L., HESELTINE, P. N., Merigan, T. C.  
2005; 10 (2): 363-366
- **Crystal structures of four multi-drug resistant HIV-1 proteases and implications for drug design** *14th International HIV Drug Resistance Workshop*  
Kovari, L. C., Vickrey, J. F., Martin, P., Proteasa, G., Yedidi, R., Kovari, I., Martinez, J., MacArthur, R., Spaller, M., Wawrzak, Z., Winters, M. A., Merigan, T. C.  
INT MEDICAL PRESS LTD.2005: S113–S113
- **Adefovir-associated HIV-1 RT mutation K70E in the age of tenofovir** *14th International HIV Drug Resistance Workshop*  
Kagan, R., Ross, L., Winters, M., Merigan, T., Heseltine, P., Lewinski, M.  
INT MEDICAL PRESS LTD.2005: S103–S103

- **Association of a novel human immunodeficiency virus type 1 protease substrate cleft mutation, L23I, with protease inhibitor therapy and in vitro drug resistance** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Johnston, E., Winters, M. A., Rhee, S. Y., Merigan, T. C., Schiffer, C. A., Shafer, R. W.  
2004; 48 (12): 4864-4868
- **Human immunodeficiency virus type 1 infection in Oman: Antiretroviral therapy and frequencies of drug resistance mutations** *AIDS RESEARCH AND HUMAN RETROVIRUSES*  
Al Dhahry, S. H., Scrimgeour, E. M., Al Suwaid, A. R., Al Lawati, M. R., El Khatim, H. S., Al Kobaisi, M. F., Merigan, T. C.  
2004; 20 (11): 1166-1172
- **Increasing prevalence of HIV-1 reverse transcriptase mutation K65R correlates with tenofovir utilization** *ANTIVIRAL THERAPY*  
Kagan, R. M., Merigan, T. C., Winters, M. A., HESELTINE, P. N.  
2004; 9 (5): 827-828
- **d4T virtual phenotype can predict virological response to d4T monotherapy after AZT treatment, but not at the current cutoff** *13th International HIV Drug Resistance Workshop*  
Shulman, N. S., Hughes, M., Winters, M. A., Delgado, J., Merigan, T. C., Katzenstein, D. A.  
INT MEDICAL PRESS LTD.2004: U94-U95
- **'Wide open' 1.3 angstrom structure of the multidrug-resistant HIV-1 protease represents a novel drug target** *13th International HIV Drug Resistance Workshop*  
Kovari, L. C., Vickrey, J. F., Martin, P., Proteasa, G., Hales, E., Kondapalli, K., Jimenez, Y., Martinez, J., MacArthur, R., Wawrzak, Z., Winters, M. A., Merigan, T. C.  
INT MEDICAL PRESS LTD.2004: U44-U44
- **Large scale cluster analysis of HIV-1 protease mutations in a clinical database** *13th International HIV Drug Resistance Workshop*  
Kagan, R., Winters, M., Merigan, T., Heseltine, P.  
INT MEDICAL PRESS LTD.2004: U71-U71
- **Genotypic predictors of a response to didanosine monotherapy in zidovudine-experienced patients** *13th International HIV Drug Resistance Workshop*  
Delgado, J., Hughes, M., Winters, M. A., Smith, K., Merigan, T. C., Katzenstein, D. A., Shulman, N. S.  
INT MEDICAL PRESS LTD.2004: U95-U95
- **Short-term safety and antiretroviral activity of T-1249, a second-generation fusion inhibitor of HIV** *10th Conference on Retroviruses and Opportunistic Infections*  
Eron, J. J., Gulick, R. M., Bartlett, J. A., Merigan, T., Arduino, R., Kilby, J. M., Yangco, B., Diers, A., Drobnes, C., DeMasi, R., Greenberg, M., Melby, T., Raskino, et al  
UNIV CHICAGO PRESS.2004: 1075-83
- **Crystal structures of a multidrug-resistant human immunodeficiency virus type 1 protease reveal an expanded active-site cavity** *JOURNAL OF VIROLOGY*  
Logsdon, B. C., Vickrey, J. F., Martin, P., Proteasa, G., Koepke, J. I., Terlecky, S. R., Wawrzak, Z., Winters, M. A., Merigan, T. C., Kovari, L. C.  
2004; 78 (6): 3123-3132
- **HIV type 1 genotypic resistance in a clinical database correlates with antiretroviral utilization** *AIDS RESEARCH AND HUMAN RETROVIRUSES*  
Kagan, R., Winters, M., Merigan, T., Heseltine, P.  
2004; 20 (1): 1-9
- **Granulocyte-macrophage colony-stimulating factor induces modest increases in plasma human immunodeficiency virus (HIV) type 1 RNA levels and CD4(+) lymphocyte counts in patients with uncontrolled HIV infection** *JOURNAL OF INFECTIOUS DISEASES*  
Jacobson, J. M., Lederman, M. M., Spritzler, J., Valdez, H., Tebas, P., Skowron, G., Wang, R., Jackson, J. B., Fox, L., Landay, A., Gilbert, M. J., O'Neil, D., Bancroft, et al  
2003; 188 (12): 1804-1814
- **Comparison of four-drug regimens and pairs of sequential three-drug regimens as initial therapy for HIV-1 infection** *NEW ENGLAND JOURNAL OF MEDICINE*  
Shafer, R. W., Smeaton, L. M., Robbins, G. K., De Gruttola, V., Snyder, S. W., D'Aquila, R. T., JOHNSON, V. A., Morse, G. D., Nokta, M. A., Martinez, A. I., Gripshover, B. M., Kaul, P., Haubrich, et al  
2003; 349 (24): 2304-2315
- **Comparison of sequential three-drug regimens as initial therapy for HIV-1 infection** *NEW ENGLAND JOURNAL OF MEDICINE*

- Robbins, G. K., De Gruttola, V., Shafer, R. W., Smeaton, L. M., Snyder, S. W., Pettinelli, C., Dube, M. P., Fischl, M. A., Pollard, R. B., Delapenha, R., Gedeon, L., van der Horst, C., Murphy, et al  
2003; 349 (24): 2293-2303
- **Correlation of single photon emission computed tomography parameters as a noninvasive alternative to liver biopsies in assessing liver involvement in the setting of HIV and hepatitis C virus coinfection: A multicenter trial of the adult AIDS clinical trials group JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES**  
Shiramizu, B., Theodore, T., Bassett, R., Coel, M., Sherman, K. E., Glesby, I. J., Chow, D., Alston, B., Colquhoun, D., Merigan, T. C., Reichman, T. C., Berggren, R., Burning, et al  
2003; 33 (3): 329-335
  - **Preliminary characterization of a newly described protease substrate cleft mutation at position 12th International HIV Drug Resistance Workshop**  
JOHNSON, E., Winters, M. A., Vyas, K., Merigan, T. C., Shafer, R. W.  
INT MEDICAL PRESS LTD.2003: U55-U55
  - **Crystal structure of a multidrug-resistant HIV-1 protease clinical isolate reveals an expanded active site cavity and represents a novel target for the design of protease inhibitors 12th International HIV Drug Resistance Workshop**  
Kovari, L. C., Vickrey, J. F., Logsdon, B. C., Proteasa, G., Wawrzak, Z., Winters, M. A., Merigan, T. C.  
INT MEDICAL PRESS LTD.2003: U53-U53
  - **Rare 1 and 2 amino acid insertions in the non-nucleoside reverse transcriptase inhibitor (NNRTI) binding pocket of HIV-1 reverse transcriptase affect NNRTI susceptibility 12th International HIV Drug Resistance Workshop**  
Winters, M. A., Kagan, R. M., HESELTINE, P. N., Kovari, L., Merigan, T. C.  
INT MEDICAL PRESS LTD.2003: U52-U53
  - **Non-nucleoside reverse transcriptase inhibitor hypersusceptibility can be demonstrated in multicycle phenotype assays and in inhibition assays of purified HIV-1 reverse transcriptases 12th International HIV Drug Resistance Workshop**  
Shulman, N. S., Delgado, J., Winters, M. A., Johnston, E., Katzenstein, D. A., Shafer, R. W., Merigan, T.  
INT MEDICAL PRESS LTD.2003: U50-U51
  - **HIV-1 protease variants from 100-fold drug resistant clinical isolates: expression, purification, and crystallization PROTEIN EXPRESSION AND PURIFICATION**  
Vickrey, J. F., Logsdon, B. C., Proteasa, G., Palmer, S., Winters, M. A., Merigan, T. C., Kovari, L. C.  
2003; 28 (1): 165-172
  - **Genotypic and phenotypic analysis of a novel 15-base insertion occurring between codons 69 and 70 of HIV type 1 reverse transcriptase 5th International Conference on HIV-1 Drug Resistance and Treatment Strategies**  
Lobato, R. L., Kim, E. Y., Kagan, R. M., Merigan, T. C.  
MARY ANN LIEBERT INC.2002: 733-36
  - **A rapid phenotypic assay for detecting multiple nucleoside analogue reverse transcriptase inhibitor-resistant HIV-1 in plasma ANTIVIRAL THERAPY**  
Qari, S. H., Winters, M., Vandamme, A. M., Merigan, T., Heneine, W.  
2002; 7 (2): 131-139
  - **Both baseline HIV-1 drug resistance and antiretroviral drug levels are associated with short-term virologic responses to salvage therapy AIDS**  
Baxter, J. D., Merigan, T. C., Wentworth, D. N., Neaton, J. D., Hoover, M. L., Hoetelmans, R. M., Piscitelli, S. C., Verbiest, W. H., MAYER, D. L.  
2002; 16 (8): 1131-1138
  - **Four year (1997-2001) HIV-1 genotypic resistance trends in a clinical diagnostics reference laboratory data set**  
Kagan, R. M., Winters, M. A., Merigan, T. C., HESELTINE, P. N.  
INT MEDICAL PRESS LTD.2002: S184-S184
  - **Expansion of the HIV-1 protease active site correlates with clinical progression to multidrug resistance**  
Kovari, L. C., Vickrey, J. F., Logsdon, B., Proteasa, G., Winters, M., Merigan, T. C.  
INT MEDICAL PRESS LTD.2002: S40-S40
  - **Functional correlates of insertion mutations in the protease gene of human immunodeficiency virus type 1 isolates from patients JOURNAL OF VIROLOGY**  
Kim, E. Y., Winters, M. A., Kagan, R. M., Merigan, T. C.  
2001; 75 (22): 11227-11233
  - **Effect of therapeutic immunization with HIV type 1 recombinant glycoprotein 160 ImmunoAG vaccine in HIV-infected individuals with CD4(+) T cell counts of <= 500 and 200-400/mm<sup>3</sup> (AIDS Clinical Trials Group study 246/946) AIDS RESEARCH AND HUMAN RETROVIRUSES**

Kundu-Raychaudhuri, S., SEVIN, A., Kilgo, P., Nokta, M., Pollard, R. B., Merigan, T. C.  
2001; 17 (15): 1371-1378

- **Variants other than aspartic acid at codon 69 of the human immunodeficiency virus type 1 reverse transcriptase gene affect susceptibility to nucleoside analogs** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*

Winters, M. A., Merigan, T. C.  
2001; 45 (8): 2276-2279

- **Anti-HIV type 1 activity of 3'-fluoro-3'-deoxythymidine for several different multidrug-resistant mutants** *AIDS RESEARCH AND HUMAN RETROVIRUSES*

Kim, E. Y., Vrang, L., Oberg, B., Merigan, T. C.  
2001; 17 (5): 401-407

- **Two double-blinded, randomized, comparative trials of 4 human immunodeficiency virus type 1 (HIV-1) envelope vaccines in HIV-1-infected individuals across a spectrum of disease severity: AIDS clinical trials groups 209 and 214** *4th National Conference on Retroviruses and Opportunistic Infections*

Schooley, R. T., Spino, C., Kuritzkes, D., Walker, B. D., Valentine, F. T., Hirsch, M. S., Cooney, E., Friedland, G., Kundu, S., Merigan, T. C., McElrath, M. J., Collier, A., Plaege, et al  
OXFORD UNIV PRESS INC.2000: 1357-64

- **Genotypic, phenotypic, and modeling studies of a deletion in the beta 3-beta 4 region of the human immunodeficiency virus type 1 reverse transcriptase gene that is associated with resistance to nucleoside reverse transcriptase inhibitors** *JOURNAL OF VIROLOGY*

Winters, M. A., Coolley, K. L., Cheng, P., Girard, Y. A., Hamdan, H., Kovari, L. C., Merigan, T. C.  
2000; 74 (22): 10707-10713

- **Highly active antiretroviral therapy results in HIV type 1 suppression in lymph nodes, increased pools of naive T cells, decreased pools of activated T cells, and diminished frequencies of peripheral activated HIV type 1-specific CD8(+) T cells** *AIDS RESEARCH AND HUMAN RETROVIRUSES*

Gray, C. M., Lawrence, J., Ranheim, E. A., Vierra, M., Zupancic, M., Winters, M., Altman, J., Montoya, J., Zolopa, A., Schapiro, J., Haase, A. T., Merigan, T. C.  
2000; 16 (14): 1357-1369

- **A randomized study of antiretroviral management based on plasma genotypic antiretroviral resistance testing in patients failing therapy** *AIDS*

Baxter, J. D., MAYERS, D. L., Wentworth, D. N., Neaton, J. D., Hoover, M. L., Winters, M. A., Mannheimer, S. B., Thompson, M. A., Abrams, D. I., Brizz, B. J., Ioannidis, J. P., Merigan, T. C.  
2000; 14 (9): F83-F93

- **In vivo persistence of donor cells following adoptive transfer of allogeneic dendritic cells in HIV-infected patients** *CELL TRANSPLANTATION*

Shapero, M. H., Kundu, S. K., Engleman, E., Laus, R., van Schooten, W. C., Merigan, T. C.  
2000; 9 (3): 307-317

- **In Vivo Persistence of Donor Cells following Adoptive Transfer of Allogeneic Dendritic Cells in HIV-Infected Patients.** *Cell transplantation*

Shapero, M. H., Kundu, S. K., Engleman, E., Laus, R., Van Schooten, W. C., Merigan, T. C.  
2000; 9 (3): 307-317

- **Frequency of antiretroviral drug resistance mutations in HIV-1 strains from patients failing triple drug regimens** *ANTIVIRAL THERAPY*

Winters, M. A., Baxter, J. D., MAYERS, D. L., Wentworth, D. N., Hoover, M. L., Neaton, J. D., Merigan, T. C.  
2000; 5 (1): 57-63

- **HIV-1 genotypic resistance patterns predict response to saquinavir-ritonavir therapy in patients in whom previous protease inhibitor therapy had failed** *ANNALS OF INTERNAL MEDICINE*

Zolopa, A. R., Shafer, R. W., Warford, A., Montoya, J. G., Hsu, P., KATZENSTEIN, D., Merigan, T. C., Efron, B.  
1999; 131 (11): 813-?

- **Delayed-type hypersensitivity to recombinant HIV envelope glycoprotein (rgp160) after immunization with homologous antigen** *JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*

Katzenstein, D. A., Kundu, S., Spritzler, J., SMOLLER, B. R., Haszlett, P., Valentine, F., Merigan, T. C.  
1999; 22 (4): 341-347

- **Long-term follow-up of patients with chronic hepatitis B: A 25 year prospective study.**

Cardenas, C. L., Soetikno, R., Robinson, W. S., Merigan, T. C., Gregory, P. B., Friedland, S., Kwan, J., Garcia, G.  
WILEY-BLACKWELL.1999: 300A-300A

- **Hydroxyurea enhances the activities of didanosine, 9-[2(phosphonylmethoxy)ethyl] adenine, and 9-[2(phosphonylmethoxy)propyl]adenine against drug-susceptible and drug-resistant human immunodeficiency virus isolates** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*

- Palmer, S., Shafer, R. W., Merigan, T. C.  
1999; 43 (8): 2046-2050
- **Impact of prophylactic immediate posttransplant ganciclovir on development of transplant atherosclerosis - A post hoc analysis of a randomized, placebo-controlled study** *CIRCULATION*  
Valantine, H. A., Gao, S. Z., Menon, S. G., Renlund, D. G., Hunt, S. A., Oyer, P., Stinson, E. B., Brown, B. W., Merigan, T. C., Schroeder, J. S.  
1999; 100 (1): 61-66
  - **Zidovudine, didanosine, and zalcitabine in the treatment of HIV infection: meta-analyses of the randomised evidence** *LANCET*  
Abrams, D., Allan, D., Antunes, F., Breckenridge, A., Bruun, J., Cameron, W., Carbon, C., Chalmers, I., Chang, H., Chodakewitz, J., Clendenin, N., Clumeck, N., Collier, et al  
1999; 353 (9169): 2014-2025
  - **Clinical resistance patterns and responses to two sequential protease inhibitor regimens in saquinavir and reverse transcriptase inhibitor-experienced persons** *5th Conference on Retroviruses and Opportunistic Infections*  
Lawrence, J., Schapiro, J., Winters, M., Montoya, J., Zolopa, A., Pesano, R., Efron, B., Winslow, D., Merigan, T. C.  
UNIV CHICAGO PRESS.1999: 1356-64
  - **Viral resistance testing: practical issues and future opportunities - interview with Thomas Merigan, M.D. Interview by John S. James.** *AIDS treatment news*  
Merigan, T.  
1999: 1-6
  - **Antiviral activity of the human immunodeficiency virus type 1 specific nonnucleoside reverse transcriptase inhibitor HBY097 alone and in combination with zidovudine in a phase II study** *JOURNAL OF INFECTIOUS DISEASES*  
Kleim, J. P., Winters, M., Dunkler, A., Suarez, J. R., Riess, G., Winkler, I., Balzarini, J., Oette, D., Merigan, T. C.  
1999; 179 (3): 709-713
  - **Clinical cross-resistance between the HIV-1 protease inhibitors saquinavir and indinavir and correlations with genotypic mutations** *AIDS*  
Schapiro, J. M., Winters, M. A., Lawrence, J., Merigan, T. C.  
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