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Professor of Medicine
University of California San Diego
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PubMed List: <http://www.ncbi.nlm.nih.gov/sites/myncbi/david.smith.1/bibliography/42296470/public/?sort=date&direction=ascending>

Education

1989-1992 B.S. in Biology, summa cum laude, Univ. of Tennessee at Chattanooga; Chattanooga, TN
1992-1996 M.D., East Tennessee State University College of Medicine; Johnson City, TN
1996-1999 Intern and Resident, Internal Medicine, University of California, San Diego; La Jolla, CA
1999-2000 Chief Resident, Internal Medicine, University of California, San Diego; La Jolla, CA
2000-2003 Fellow, Infectious Diseases, University of California, San Diego; La Jolla, CA
2002-2005 M.A.S., Clinical Research, University of California, San Diego; La Jolla, CA

Board Certification

1999-2019 Internal Medicine, American Board of Internal Medicine
2004-2024 Infectious Disease, American Board of Internal Medicine

Appointments

2002-present Medical Director, The Night Clinic, Family Health Centers of San Diego; San Diego, CA (serving gay men and transgender individuals with culturally competent care)
2003-2009 Assistant Adjunct Professor of Medicine, Department of Medicine, Division of Infectious Diseases, University of California San Diego (UCSD); San Diego, CA
2004-2013 Medical Director, San Diego County Early Intervention and Bridge Programs, UCSD Antiviral Research Center; San Diego, CA
2005-present Staff Physician, Veterans Affairs Medical Center; San Diego, CA
2005-present Director, HIV/HCV and HIV/HPV Co-Infections Clinic, Special Infectious Diseases Program, Veterans Affairs Medical Center; San Diego, CA
2009-present Director, Translational Virology Core, UCSD Centers for AIDS Research, San Diego; CA
2010-present Core Faculty, Internal Medicine Residency Program, UCSD; San Diego, CA
2009-2013 Associate Professor of Medicine in Residence, Department of Medicine, Division of Infectious Diseases, UCSD; San Diego, CA
2012-2017 Associate Director Infectious Disease Fellowship Training Program, UCSD; San Diego, CA

- 2013-2016 Professor of Medicine In Residence, Department of Medicine, Division of Infectious Diseases, UCSD, San Diego, CA
- 2014-present Co-director, San Diego Center for AIDS Research; San Diego, CA
- 2016-present Professor of Medicine Ladder Rank, Department of Medicine, Division of Infectious Diseases, UCSD, San Diego, CA
- 2016-present Vice-Chair of Faculty, Department of Medicine UCSD, San Diego, CA
- 2017-present Chief, Division of Infectious Diseases and Global Public Health UCSD, San Diego, CA

University and Community Service

- 2005-2017 Permanent Member, San Diego County HIV Planning Council; San Diego, CA
- 2005-2017 Chair, Standards of Care Committee, San Diego County HIV Planning Council; San Diego, CA
- 2008-2014 Board Member, Christie's Place; San Diego, CA (non-profit community support organization for women and families affected by HIV/AIDS) (President 2011-2014)
- 2009-present UCSD Chancellor's Advisory Committee on Gender Identity and Sexual Orientation Issues (CACGISOI, Chair 2011-2013)
- 2011-2015 Chair, Institutional Biosafety Committee, Veterans Affairs Healthcare System; San Diego, CA
- 2011-present AIDS Clinical Trials Group HIV Reservoirs and Viral Eradication Transformative Science Group
- 2012-2016 California HIV Research Program Scientific Advisory Board (Vice-Chair 2014, Chair 2015-2016)
- 2013-present Department of Medicine Committee on Appointments and Promotions (Chair 2016, 2017)

Fellowships and Honor Societies

- 1995 AOA Medical Honor Society (Junior Year election, President Delta Chapter 1996)
- 2014 Fellow American College of Physicians
- 2015 American Society of Clinical Investigation

Honors / Awards

- 1995 Student National Medical Association Senior Leadership Award, East Tennessee State University; Johnson City, TN
- 1996 President, Delta Chapter of the AOA Medical Honor Society, East Tennessee State University; Johnson City, TN
- 1996 College of Medicine Dean's Scholarship Award, East Tennessee State University; Johnson City, TN
- 2001 Men's Volunteer of the Year, The San Diego Lesbian, Gay, Bisexual, Transgender Community Center (The Center); San Diego, CA
- 2002 Associate Investigator Award, Veterans Affairs Medical Center; San Diego, CA
- 2005 Study of superinfection, published 2004 in JAMA, selected for Discover magazine's 2004 "The Year in Science: Top 100 Stories" as story #41. Discover 26(1), January 2005.
- 2005 Community Service Award, Transgender Community Coalition; San Diego, CA
- 2005 Selected for National Center for Leadership in Academic Medicine; University of California, San Diego; San Diego, CA
- 2005 AIDS Walk San Diego's Outstanding Volunteer of the Year (Medical Area); San Diego, CA
- 2008 "40 Under 40" Award (honoring young San Diego leaders) from San Diego Metropolitan magazine; San Diego, CA
- 2008 Nominated for the 2008 Kaiser Excellence in Teaching Award by the third year students of the UCSD School of Medicine; San Diego, CA

2008	Finalist for the 2nd Annual Health Care Champions Awards by the San Diego Business Journal; San Diego, CA
2009	Awarded the Dr. A. Brad Truax Award (for outstanding achievement in the area of HIV/AIDS service) by the County of San Diego Health and Human Services Agency; San Diego, CA
2010	HIV Medical Association Research Award from the Infectious Diseases Society of America
2012	National Institute of Drug Abuse Avant Garde Award in HIV Prevention
2012, 2014	UCSD Internal Medicine Residency Teaching Award from the Chief Residents

OTHER SUPPORT

ACTIVE

5 K24 AI100665-02 (Smith)	05/01/2012 – 04/30/2022	3.0200 Cal
NIH/NIAID (PA-11-185)		\$169,669 (directs)

Mentoring Translational Research in HIV

To mentor trainees in translational HIV research.

P30 AI036214 (Richman, Douglas D.*)	04/15/2013 - 03/31/2018	0.9000 Cal
VMRF/NIH		\$98,107 (directs)

Center for AIDS Research – Core K: Translational Virology

Directs the Translational Virology Core for the UCSD Center for AIDS Research. The Core performs viral pathogenesis assays to support HIV research at UCSD and other affiliated institutions. ***I will assume the PI of this grant in the next renewal, which was submitted August 1st, 2017.**

1 R21 DA041007-01 (Smith)	09/15/2015 – 7/31/2018	0.9012 Cal
NIH/NIDA (R21 project period is 3 years and R33 is 2 years)		\$250,000 (directs)

Characterizing proviral populations in brain tissues

To develop and validate a combined next generation sequencing (Pacific Biosciences single-molecule, real time (SMRT) sequencing) and bioinformatics platform to accurately measure and characterize HIV DNA populations in brain and lymph node tissues.

R01 DA037811-01 (Patterson, T)	04/01/2014–03/31/2019	0.9036 Cal
NIH/NIDA		\$481,209 (directs)

HIV case finding and genetic transmission networks among MSM in Tijuana, Mexico

To compare the effectiveness of partner contact tracing vs. random screening at high-risk venues in finding new cases of HIV among men who have sex with men in Tijuana.

1 DP1 DA034978-01 (Smith)	08/01/2012 –07/31/17	1.8018 Cal
NIH/NIDA		\$500,000 (directs no cost extension)

Molecular Epidemiology for HIV Prevention for Drug Users and Other Risk Groups

To integrate subject data from local research, clinical and public health entities that are screening for and treating HIV infected individuals.

1 R01 AI118422-01A1 (Smith)	02/01/2016 – 01/31/2021	1.3521 Cal
NIH/NIAID	\$503,824 (directs)	

Perturbing the HIV Reservoir with Immune Stimulation

A two stage clinical trial to determine how vaccines can stimulate the immune system and induce viral transcription from the HIV reservoir.

P30MH062512 (Heaton, Robert K.)	04/01/2016-03/31/2021	0.4495 Cal
NIH	\$1,111,667 (directs)	

HIV Neurobehavioral Research Center (HNRC)

A center that integrates and supports research into etiology, pathogenesis, phenomenology, treatment, and prevention of neuroAIDS.

5 R01AI120009-01 (Smith)	07/01/2015 – 12/31/2019	0.9012 Cal
NIH/NIAID	\$258,810 (directs)	

High-throughput Deep Sequencing Assay to Reliably Measure the HIV Reservoir during Antiretroviral Therapy
To develop and validate a combined next generation sequencing (Pacific Biosciences single-molecule, real time (SMRT) sequencing) and bioinformatics platform to accurately measure replication-competent provirus.

P01 AI131385 (Smith)	03/01/2017 – 02/28/2022	1.4106 cal
NIH	\$1,000,000 (directs)	

This program will investigate HIV-infected study volunteers who started HIV therapy during early infection and some who started during chronic infection; all of whom who interrupted this therapy.

Publications (1-237)

1. Smith DM, Ziegler EJ, Rickman LS. Primary Meningococcal Polyarthritits, Cellulitis, and Pneumonia in an Elderly, Immunocompetent Woman. Infectious Diseases in Clinical Practice. 1999;8(4):215-8.
2. Smith DM, Rickman LS. Echinococcosis: a drop of water—review on human disease, diagnosis, and management. Infectious Diseases in Clinical Practice. 2001;10(7):355-9.
3. Smith D, Letendre S. Viral pneumonia as a serious complication of etanercept therapy. Annals of internal medicine. 2002;136(2):174.
4. Smith D, Metzgar D, Wills C, Fierer J. Fatal Saccharomyces cerevisiae aortic graft infection. Journal of clinical microbiology. 2002;40(7):2691-2.
5. Rought SE, Sasik R, Smith DM, Corbeil J. Chipping Away at HIV Pathogenesis. Pathogen Genomics: Humana Press; 2002. p. 13-24.
6. Rought SE, Sasik R, Smith DM, Corbeil J. THE NEW AND IMPROVED GENETIC CODE. Pathogen genomics: impact on human health. 2002:13.

7. Smith D, Wong J, Badley AD, Hawley-Foss N, Mbisa G, Lum JJ, Pilon AA, Angel JB, Garber G. Continue Antiretroviral Therapy during Virologic Failure?[with Reply]. *Clinical infectious diseases*. 2002;553-6.
8. Smith D, Bannykh S, Ziegler E. A woman kicked in the head by a horse. *Infectious Diseases in Clinical Practice*. 2002;11(1):28-9.
9. Strain M, Günthard H, Havlir D, Ignacio C, Smith D, Leigh-Brown A, Macaranas T, Lam R, Daly O, Fischer M. Heterogeneous clearance rates of long-lived lymphocytes infected with HIV: intrinsic stability predicts lifelong persistence. *Proceedings of the National Academy of Sciences*. 2003;100(8):4819-24.
10. Smith DM, Jolla L, Wong JK, Hightower GK, Ignacio CC, Koelsch KK, Daar ES, Richman DD, Little SJ. Individuals already infected with HIV should thus continue vigilant personal protection through safe-sex practices or clean needle use for injection drugs, even if their risk exposures are with other HIV-infected people. *J Infect Dis*. 2003;188:397-405.
11. Mackowiak PA, Chardos JF, Smith D, Letendre S. Demyelinating encephalitis. *Clinical infectious diseases*. 2003;36(10):1332-4.
12. Smith D, Koelsch K, Wong J, Hightower G, Ignacio C, Richman D, Little S, editors. Male genital tract compartmentalization and transmission of 215L revertant. *ANTIVIRAL THERAPY*; 2003: INT MEDICAL PRESS LTD 2-4 IDOL LANE, LONDON EC3R 5DD, ENGLAND.
13. Koelsch KK, Smith DM, Little SJ, Ignacio CC, Macaranas TR, Brown AJ, Petropoulos CJ, Richman DD, Wong JK. Clade B HIV-1 superinfection with wild-type virus after primary infection with drug-resistant clade B virus. *Aids*. 2003;17(7):F11-F6.
14. Smith DM, Wong JK, Hightower GK, Ignacio CC, Koelsch KK, Daar ES, Richman DD, Little SJ. Incidence of HIV superinfection following primary infection. *Jama*. 2004;292(10):1177-8.
15. Smith DM, Kingery JD, Wong JK, Ignacio CC, Richman DD, Little SJ. The prostate as a reservoir for HIV-1. *Aids*. 2004;18(11):1600-2.
16. Richman DD, Little SJ, Smith DM, Wrin T, Petropoulos C, Wong JK. HIV evolution and escape. *Transactions of the American Clinical and Climatological Association*. 2004;115:289.
17. Frost SD, Wrin T, Smith DM, Pond SLK, Liu Y, Paxinos E, Chappey C, Galovich J, Beauchaine J, Petropoulos CJ. Neutralizing antibody responses drive the evolution of human immunodeficiency virus type 1 envelope during recent HIV infection. *Proceedings of the National Academy of Sciences of the United States of America*. 2005;102(51):18514-9.
18. Smith DM, Richman DD, Little SJ. HIV superinfection. *Journal of Infectious Diseases*. 2005;192(3):438-44.
19. Strain M, Letendre S, Pillai S, Russell T, Ignacio C, Günthard H, Good B, Smith D, Wolinsky S, Furtado M. Genetic composition of human immunodeficiency virus type 1 in cerebrospinal fluid and blood without treatment and during failing antiretroviral therapy. *Journal of virology*. 2005;79(3):1772-88.
20. Smith DM, Wong JK, Hightower GK, Ignacio CC, Koelsch KK, Petropoulos CJ, Richman DD, Little SJ. HIV drug resistance acquired through superinfection. *Aids*. 2005;19(12):1251-6.
21. Yang OO, Daar ES, Jamieson BD, Balamurugan A, Smith DM, Pitt JA, Petropoulos CJ, Richman DD, Little SJ, Brown AJL. Human immunodeficiency virus type 1 clade B superinfection: evidence for differential immune containment of distinct clade B strains. *Journal of virology*. 2005;79(2):860-8.
22. Pillai SK, Good B, Pond SK, Wong JK, Strain MC, Richman DD, Smith DM. Semen-specific genetic characteristics of human immunodeficiency virus type 1 env. *Journal of virology*. 2005;79(3):1734-42.

23. Pillai SK, Pond SLK, Woelk CH, Richman DD, Smith DM. Codon volatility does not reflect selective pressure on the HIV-1 genome. *Virology*. 2005;336(2):137-43.
24. Smith D, Wong J, Mai H, Moreno J, Russell T, Ignacio C, Frost S, Richman D, Little S, editors. *Slow reversion of HIV transmitted drug resistance to non-nucleoside reverse transcriptase inhibitors in semen. Antiviral Therapy*; 2005: INT MEDICAL PRESS LTD 2-4 IDOL LANE, LONDON EC3R 5DD, ENGLAND.
25. Little SJ, Smith DM. HIV treatment decisions and transmitted drug resistance. *Clinical Infectious Diseases*. 2005;41(2):233-5.
26. Goicoechea M, Smith DM, Liu L, May S, Tenorio AR, Ignacio CC, Landay A, Haubrich R. Determinants of CD4+ T cell recovery during suppressive antiretroviral therapy: association of immune activation, T cell maturation markers, and cellular HIV-1 DNA. *Journal of Infectious Diseases*. 2006;194(1):29-37.
27. Smith DM, Strain MC, Frost SD, Pillai SK, Wong JK, Wrin T, Liu Y, Petropoulos CJ, Daar ES, Little SJ. Lack of neutralizing antibody response to HIV-1 predisposes to superinfection. *Virology*. 2006;355(1):1-5.
28. Pillai SK, Pond SLK, Liu Y, Good BM, Strain MC, Ellis RJ, Letendre S, Smith DM, Günthard HF, Grant I. Genetic attributes of cerebrospinal fluid-derived HIV-1 env. *Brain*. 2006;129(7):1872-83.
29. Smith DM, Drumright LN, Frost SD, Cheng WS, Espitia S, Daar ES, Little SJ, Gorbach PM. Characteristics of recently HIV-infected men who use the Internet to find male sex partners and sexual practices with those partners. *JAIDS Journal of Acquired Immune Deficiency Syndromes*. 2006;43(5):582-7.
30. Smith DM. The controversies of nevirapine for preventing mother-to-child HIV transmission. *Aids*. 2006;20(2):281-3.
31. Mehta SR, Herndier NM, Smith DM. *Mycobacterium szulgai* causing knee abscess and osteomyelitis in a patient with acquired immunodeficiency syndrome and subsequent immune reconstitution syndrome. *Infectious Diseases in Clinical Practice*. 2006;14(6):392-3.
32. Smith D, Strain M, Frost S, Pillai S, Wong J, Wrin T, Liu Y, Petropoulos C. Lack of neutralizing antibody response to HIV-1 2 predisposes to superinfection. *Virology*. 2006;355:1-5.
33. Butler DM, Smith DM. Serosorting can potentially increase HIV transmissions. *Aids*. 2007;21(9):1218-20.
34. Smith DM, Wong JK, Shao H, Hightower GK, Mai SH, Moreno JM, Ignacio CC, Frost SD, Richman DD, Little SJ. Long-term persistence of transmitted HIV drug resistance in male genital tract secretions: implications for secondary transmission. *Journal of Infectious Diseases*. 2007;196(3):356-60.
35. Smith D, Moini N, Pesano R, Cachay E, Aiem H, Lie Y, Richman D, Little S. Clinical utility of HIV standard genotyping among antiretroviral-naïve individuals with unknown duration of infection. *Clinical infectious diseases*. 2007;44(3):456-8.
36. Smith DM, Mathews WC. Physicians' attitudes toward homosexuality and HIV: Survey of a California medical society-revisited (PATHH-II). *Journal of homosexuality*. 2007;52(3-4):1-9.
37. Cachay ER, Frost SD, Richman DD, Smith DM, Little SJ. Herpes simplex virus type 2 infection does not influence viral dynamics during early HIV-1 infection. *Journal of Infectious Diseases*. 2007;195(9):1270-7.
38. Noviello C, Pond SK, Lewis M, Richman D, Pillai S, Yang O, Little S, Smith D, Guatelli J. Maintenance of Nef-mediated modulation of major histocompatibility complex class I and CD4 after sexual transmission of human immunodeficiency virus type 1. *Journal of virology*. 2007;81(9):4776-86.
39. Cachay ER, Moini N, Kosakovsky Pond SL, Pesano R, Lie YS, Aiem H, Butler DM, Letendre S, Mathews W, Smith DM. Active Methamphetamine Use is Associated with Transmitted Drug Resistance to Non-

Nucleoside Reverse Transcriptase Inhibitors in Individuals with HIV Infection of Unknown Duration. The open AIDS journal. 2007;1(1).

40. Ances B, Perthen J, Liang C, Leontiev O, Smith D, Little S, Richman D, Letendre S, Buxton R, Ellis R, editors. Acute and chronic HIV reduce the BOLD signal magnitude. ANNALS OF NEUROLOGY; 2007: WILEY-LISS DIV JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030 USA.
41. Ances B, Liang C, Sisti D, Buxton R, Smith D, Little S, Letendre S, Richman D, Ellis R, editors. Cerebral blood flow (CBF) and cerebral metabolic rate of oxygen consumption (CMRO2) are elevated in both early and chronically infected HIV plus patients compared to seronegative controls using quantitative functional magnetic resonance imaging (qfMRI). JOURNAL OF NEUROVIROLOGY; 2007: TAYLOR & FRANCIS INC 325 CHESTNUT ST, SUITE 800, PHILADELPHIA, PA 19106 USA.
42. Ances BM, Liang C, Buxton RB, Smith D, Little S, Letendre S, Richman D, Ellis R, editors. Differences in cerebral blood flow (CBF) and cerebral metabolic rate of oxygen consumption (CMRO2) in HIV+ patients compared to seronegative controls using quantitative functional magnetic resonance imaging (qfMRI). JOURNAL OF NEUROVIROLOGY; 2007: SPRINGER 233 SPRING ST, NEW YORK, NY 10013 USA.
43. Goicoechea M, Smith D. Universal HIV testing: is it enough? Clinical Infectious Diseases. 2007;45(10):1375-6.
44. Hightower G, Letendre S, Cachay E, Cherner M, Gibson S, Ellis R, Richman D, Ignacio C, Smith D, editors. Antiretroviral resistance and neuropsychological performance among HIV-infected individuals. ANTIVIRAL THERAPY; 2007: INT MEDICAL PRESS LTD 2-4 IDOL LANE, LONDON EC3R 5DD, ENGLAND.
45. Little S, Parkin N, Chappey C, Smith D, Richman D, Frost S, editors. Differences in viral load and replication capacity in individuals harbouring virus with or without drug resistance. ANTIVIRAL THERAPY; 2007: INT MEDICAL PRESS LTD 2-4 IDOL LANE, LONDON EC3R 5DD, ENGLAND.
46. Little SJ, Frost SD, Wong JK, Smith DM, Pond SLK, Ignacio CC, Parkin NT, Petropoulos CJ, Richman DD. Persistence of transmitted drug resistance among subjects with primary human immunodeficiency virus infection. Journal of virology. 2008;82(11):5510-8.
47. Butler DM, Smith DM, Cachay ER, Hightower GK, Nugent CT, Richman DD, Little SJ. Herpes simplex virus 2 serostatus and viral loads of HIV-1 in blood and semen as risk factors for HIV transmission among men who have sex with men. AIDS (London, England). 2008;22(13):1667.
48. Smith DM, Schooley RT. Running with scissors: using antiretroviral therapy without monitoring viral load. Clinical Infectious Diseases. 2008;46(10):1598-600.
49. Kosakovsky Pond S, Poon A, Zarate S, Smith D, Little S, Pillai S, Ellis R, Wong J, Leigh Brown A, Richman D. Estimating selection pressures on HIV-1 using phylogenetic likelihood models. Statistics in medicine. 2008;27(23):4779-89.
50. Cachay ER, Frost SD, Poon AF, Looney D, Rostami SM, Pacold ME, Richman DD, Little SJ, Smith DM. Herpes simplex virus type 2 acquisition during recent HIV infection does not influence plasma HIV levels. Journal of acquired immune deficiency syndromes (1999). 2008;47(5):592.
51. Smith DM. Active duty military personnel presenting for care at a gay men's health clinic. Journal of homosexuality. 2008;54(3):277-9.
52. Little S, Frost S, Wong J, Smith D, Pond S, Ignacio C. NT 675 Parkin, CJ Petropoulos, and DD Richman. 2008. Persistence of transmitted 676 drug resistance among subjects with primary human immunodeficiency virus 677 infection. J Virol. 2008;82:5510-8.

53. Ances B, Sisti D, Vaida F, Liang C, Leontiev O, Perthen J, Buxton R, Benson D, Smith D, Little S. Resting cerebral blood flow A potential biomarker of the effects of HIV in the brain. *Neurology*. 2009;73(9):702-8.
54. Smith DM, May S, Tweeten S, Drumright L, Pacold ME, Pond SLK, Pesano RL, Lie YS, Richman DD, Frost SD. A public health model for the molecular surveillance of HIV transmission in San Diego, California. *AIDS* (London, England). 2009;23(2):225.
55. Pond SLK, Smith DM. Are All Subtypes Created Equal? The Effectiveness of Antiretroviral Therapy against Non—Subtype B HIV-1. *Clinical infectious diseases*. 2009;48(9):1306-9.
56. Smith DM, May SJ, Perez-Santiago J, Strain MC, Ignacio CC, Haubrich RH, Richman DD, Benson CA, Little SJ. The use of pooled viral load testing to identify antiretroviral treatment failure. *AIDS* (London, England). 2009;23(16):2151.
57. Smith DM, Zárate S, Shao H, Pillai SK, Letendre SL, Wong JK, Richman DD, Frost SD, Ellis RJ, Group H. Pleocytosis is associated with disruption of HIV compartmentalization between blood and cerebral spinal fluid viral populations. *Virology*. 2009;385(1):204-8.
58. Bharti AR, Letendre SL, Patra KP, Vinetz JM, Smith DM. Malaria Diagnosis by a Polymerase Chain Reaction–Based Assay Using a Pooling Strategy. *The American journal of tropical medicine and hygiene*. 2009;81(5):754-7.
59. Nugent CT, Dockter J, Bernardin F, Hecht R, Smith D, Delwart E, Pilcher C, Richman D, Busch M, Giachetti C. Detection of HIV-1 in alternative specimen types using the APTIMA® HIV-1 RNA Qualitative Assay. *Journal of virological methods*. 2009;159(1):10-4.
60. Butler DM, Pacold ME, Jordan PS, Richman DD, Smith DM. The efficiency of single genome amplification and sequencing is improved by quantitation and use of a bioinformatics tool. *Journal of virological methods*. 2009;162(1):280-3.
61. Mehta SR, MacGruder C, Looney D, Johns S, Smith DM. Differences in tuberculin reactivity as determined in a veterans administration employee health screening program. *Clinical and Vaccine Immunology*. 2009;16(4):541-3.
62. Jordan PS, Poon A, Eron J, Squires K, Ignacio C, Richman DD, Smith DM. A novel codon insert in protease of clade B HIV type 1. *AIDS research and human retroviruses*. 2009;25(5):547-50.
63. Goicoechea M, Smith D, May S, Mathews C, Spina C. Prevalence and T cell phenotype of slow HIV disease progressors with robust HIV replication. *Journal of acquired immune deficiency syndromes* (1999). 2009;52(2):299.
64. Manosuthi W, Butler D, Chantratita W, Sukasem C, Richman D, Smith D, editors. Mutations associated with etravirine resistance among patients infected with HIV-1 subtype CRF01_AE and failing first-line nevirapine-and efavirenz-based regimens. *ANTIVIRAL THERAPY*; 2009: INT MEDICAL PRESS LTD 2-4 IDOL LANE, LONDON EC3R 5DD, ENGLAND.
65. Smith D, May S, Tweeten S, Drumright L, Pacold M, Kosakovsky Pond SL, Pesano RL, Lie YS, Richman DD, Frost SD, Woelk CH, Little SJ. A public health model for the molecular surveillance of HIV transmission in San Diego, California *AIDS*. 2009;23:225-32.
66. Butler DM, Delport W, Pond SLK, Lakdawala MK, Cheng PM, Little SJ, Richman DD, Smith DM. The origins of sexually transmitted HIV among men who have sex with men. *Science translational medicine*. 2010;2(18):18re1-re1.

67. DeGruttola V, Smith DM, Little SJ, Miller V. Developing and evaluating comprehensive HIV infection control strategies: issues and challenges. *Clinical Infectious Diseases*. 2010;50(Supplement 3):S102-S7.
68. Pacold M, Smith D, Little S, Cheng PM, Jordan P, Ignacio C, Richman D, Pond SK. Comparison of methods to detect HIV dual infection. *AIDS research and human retroviruses*. 2010;26(12):1291-8.
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74. Mehta SR, Delport W, Brouwer KC, Espitia S, Patterson T, Pond SK, Strathdee SA, Smith DM. The relatedness of HIV epidemics in the United States–Mexico border region. *AIDS research and human retroviruses*. 2010;26(12):1273-7.
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76. Fierer DS, Dieterich DT, Fiel IM, Branch AD, Hsu RK, Marks KM, Fusco D, Smith DM, Fierer J. Rapid Progression To Decompensated Cirrhosis And Death In Hiv-infected Men With Newlyacquired Hcv Infection. *Hepatology*. 2010;52:743A.
77. Rieg G, Butler D, Smith D, Daar E. Seminal plasma HIV levels in men with asymptomatic sexually transmitted infections. *International journal of STD & AIDS*. 2010;21(3):207-8.
78. Gianella S, Delport W, Pacold ME, Young JA, Choi JY, Little SJ, Richman DD, Pond SLK, Smith DM. Detection of minority resistance during early HIV-1 infection: natural variation and spurious detection rather than transmission and evolution of multiple viral variants. *Journal of virology*. 2011;JVI. 02582-10.
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80. van Zyl G, Preiser W, Potschka S, Lundershausen A, Haubrich R, Smith D. Pooling strategies to reduce the cost of HIV-1 RNA load monitoring in a resource-limited setting. *Clinical Infectious Diseases*. 2011;52(2):264-70.
81. Moore DJ, Letendre SL, Morris S, Umlauf A, Deutsch R, Smith DM, Little S, Rooney A, Franklin DR, Gouaux B. Neurocognitive functioning in acute or early HIV infection. *Journal of neurovirology*. 2011;17(1):50-7.

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