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**Professor of Medicine**

**University of California San Diego**

September 2019

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**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

2009-2018 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**

1997-2005 Gay Men’s Coming Out Group Facilitator

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

2011-2017 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)

2013-2017 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 (FACP)

2015 American Society of Clinical Investigation

2018 Fellow Infectious Disease Society of America (FIDSA)

**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 (w/ total funding)

K24 AI100665 (Smith, DM) 05/01/2012 – 04/30/2022

NIH/NIAID (PA-11-185) $1,103,376

Mentoring Translational Research in HIV

To mentor trainees in translational HIV research.

R01 AI118422 (Smith, DM) 02/01/2016 – 01/31/2021

NIH/NIAID $3,061,299

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.

R01AI120009 (Smith, DM) 07/01/2015 – 12/31/2020

NIH/NIAID $3,415,974

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.

P30 AI036214 (Smith, DM) 04/15/2013 - 03/31/2020

NIH/NIAID

Center for AIDS Research

To provide core research equipment and resources to investigators to further collaborative research on the molecular pathogenesis of HIV.

R33 DA041007 (Smith, DM) 09/15/2015 – 7/31/2020

NIH/NIDA (R21 project period is 3 years and R33 is 2 years) $2,536,408

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.

P30MH062512 (Heaton, Robert K.) 04/01/2016-03/31/2021

NIH $1,486,583

HIV Neurobehavioral Research Center (HNRC)

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

P01 AI131385 (Smith, DM) 03/01/2017 – 02/28/2022

NIH $6,091,484

Revealing Reservoirs during Rebound (R3)

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.

R61 DA047039 (Smith, DM) 09/30/2018 – 06/30/2021

NIH/NIDA $1,752,390

Opioid Impacts on T Cell Pathways and Epigenetics to Modulate HIV Integration, Latency, and Reservoirs.

This project is designed in a two-stage process (R61/R33) to tease out the mechanisms of how opioids impact: cellular receptor signaling for opioids, cellular co-receptors for HIV, epigenetic control (chromatin packing and methylation), and gene expression.

**Publications (1-272)**

1. Smith DM, Ziegler EJ, Rickman LS. Primary Meningococcal Polyarthritis, 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. Ann Intern Med. 2002;136(2):174-. doi: 10.7326/0003-4819-136-2-200201150-00020. PubMed PMID: 11790076.
4. Smith D, Metzgar D, Wills C, Fierer J. Fatal Saccharomyces cerevisiae aortic graft infection. J Clin Microbiol. 2002;40(7):2691-2. doi: 10.1128/jcm.40.7.2691-2692.2002. PubMed PMID: 12089311.
5. Rought S, Sasik R, Smith D, Corbeil J. Chipping Away at HIV Pathogenesis. In: Shaw Kj, editor. Pathogen Genomics. Totowa, New Jersey: Humana Press Inc; 2002. p. 13-24.
6. Smith D, Wong J. Continue antiretroviral therapy during virologic failure? Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2002;34(4):553-6. doi: 10.1086/338017. PubMed PMID: 11797186.
7. 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.
8. Strain MC, Günthard HF, Havlir DV, Ignacio CC, Smith DM, Leigh-Brown AJ, Macaranas TR, Lam RY, Daly OA, Fischer M, Opravil M, Levine H, Bacheler L, Spina CA, Richman DD, Wong JK. Heterogeneous clearance rates of long-lived lymphocytes infected with HIV: intrinsic stability predicts lifelong persistence. Proceedings of the National Academy of Sciences of the United States of America. 2003;100(8):4819-24. Epub 2003/04/08. doi: 10.1073/pnas.0736332100. PubMed PMID: 12684537.
9. Mackowiak PA, Chardos JF, Smith D. Demyelinating Encephalitis. Clinical infectious diseases. 2003;36(10):1332-4. doi: 10.1086/374893.
10. 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.
11. 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 (London, England). 2003;17(7):F11-F6. doi: 10.1097/00002030-200305020-00001. PubMed PMID: 12700477.
12. 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. doi: 10.1001/jama.292.10.1177. PubMed PMID: 15353529.
13. Smith DM, Kingery JD, Wong JK, Ignacio CC, Richman DD, Little SJ. The prostate as a reservoir for HIV-1. AIDS (London, England). 2004;18(11):1600-2. doi: 10.1097/01.aids.0000131364.60081.01. PubMed PMID: 15238781.
14. Richman DD, Little SJ, Smith DM, Wrin T, Petropoulos C, Wong JK. HIV evolution and escape. Trans Am Clin Climatol Assoc. 2004;115:289-303. PubMed PMID: 17060974.
15. Wong JK, Smith D, Richman D. Chapter 34 - HIV Drug Susceptibility Testing. In: Wormser GP, editor. AIDS and Other Manifestations of HIV Infection (Fourth Edition). San Diego: Academic Press; 2004. p. 883-904.
16. Frost SDW, Wrin T, Smith DM, Kosakovsky Pond SL, Liu Y, Paxinos E, Chappey C, Galovich J, Beauchaine J, Petropoulos CJ, Little SJ, Richman DD. 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. Epub 2005/12/09. doi: 10.1073/pnas.0504658102. PubMed PMID: 16339909.
17. Smith DM, Richman DD, Little SJ. HIV superinfection. The Journal of infectious diseases. 2005;192(3):438-44. Epub 2005/06/30. doi: 10.1086/431682. PubMed PMID: 15995957.
18. Strain MC, Letendre S, Pillai SK, Russell T, Ignacio CC, Günthard HF, Good B, Smith DM, Wolinsky SM, Furtado M, Marquie-Beck J, Durelle J, Grant I, Richman DD, Marcotte T, McCutchan JA, Ellis RJ, Wong JK. 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. doi: 10.1128/JVI.79.3.1772-1788.2005. PubMed PMID: 15650202.
19. Smith DM, Wong JK, Hightower GK, Ignacio CC, Koelsch KK, Petropoulos CJ, Richman DD, Little SJ. HIV drug resistance acquired through superinfection. AIDS (London, England). 2005;19(12):1251-6. doi: 10.1097/01.aids.0000180095.12276.ac. PubMed PMID: 16052079.
20. 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. doi: 10.1128/JVI.79.2.860-868.2005. PubMed PMID: 15613314.
21. 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. doi: 10.1128/JVI.79.3.1734-1742.2005. PubMed PMID: 15650198.
22. Pillai SK, Kosakovsky Pond SL, Woelk CH, Richman DD, Smith DM. Codon volatility does not reflect selective pressure on the HIV-1 genome. Virology. 2005;336(2):137-43. doi: 10.1016/j.virol.2005.03.014. PubMed PMID: 15892955.
23. 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, London, England.
24. Little SJ, Smith DM. HIV treatment decisions and transmitted drug resistance. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2005;41(2):233-5. doi: 10.1086/431215. PubMed PMID: 15983921.
25. 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. The Journal of infectious diseases. 2006;194(1):29-37. Epub 2006/05/18. doi: 10.1086/504718. PubMed PMID: 16741879.
26. Smith DM, Strain MC, Frost SDW, Pillai SK, Wong JK, Wrin T, Liu Y, Petropolous CJ, Daar ES, Little SJ, Richman DD. Lack of neutralizing antibody response to HIV-1 predisposes to superinfection. Virology. 2006;355(1):1-5. Epub 2006/09/07. doi: 10.1016/j.virol.2006.08.009. PubMed PMID: 16962152.
27. Pillai SK, Pond SLK, Liu Y, Good BM, Strain MC, Ellis RJ, Letendre S, Smith DM, Günthard HF, Grant I, Marcotte TD, McCutchan JA, Richman DD, Wong JK. Genetic attributes of cerebrospinal fluid-derived HIV-1 env. Brain : a journal of neurology. 2006;129(Pt 7):1872-83. Epub 2006/05/30. doi: 10.1093/brain/awl136. PubMed PMID: 16735456.
28. Smith DM, Drumright LN, Frost SDW, 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. Journal of acquired immune deficiency syndromes (1999). 2006;43(5):582-7. doi: 10.1097/01.qai.0000243100.49899.2a. PubMed PMID: 17019370.
29. Smith DM. The controversies of nevirapine for preventing mother-to-child HIV transmission. AIDS (London, England). 2006;20(2):281-3. doi: 10.1097/01.aids.0000198095.00820.82. PubMed PMID: 16511423.
30. Mehta S, Herndier N, Smith D. 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. doi: 10.1097/01.idc.0000214370.54423.2f.
31. Smith DM, Strain MC, Frost SDW, Pillai SK, Wong JK, Wrin T, Liu Y, Petropolous CJ, Daar ES, Little SJ, Richman DD. Lack of neutralizing antibody response to HIV-1 predisposes to superinfection. Virology. 2006;355(1):1-5. Epub 2006/09/07. doi: 10.1016/j.virol.2006.08.009. PubMed PMID: 16962152.
32. Butler DM, Smith DM. Serosorting can potentially increase HIV transmissions. AIDS (London, England). 2007;21(9):1218-20. doi: 10.1097/QAD.0b013e32814db7bf. PubMed PMID: 17502737.
33. Smith DM, Wong JK, Shao H, Hightower GK, Mai SHT, Moreno JM, Ignacio CC, Frost SDW, Richman DD, Little SJ. Long-term persistence of transmitted HIV drug resistance in male genital tract secretions: implications for secondary transmission. The Journal of infectious diseases. 2007;196(3):356-60. Epub 2007/06/19. doi: 10.1086/519164. PubMed PMID: 17597449.
34. Smith D, Moini N, Pesano R, Cachay E, Aiem H, Lie Y, Richman D, Little S. Clinical utility of HIV standard genotyping among antiretroviral-naive individuals with unknown duration of infection. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2007;44(3):456-8. Epub 2006/12/28. doi: 10.1086/510748. PubMed PMID: 17205459.
35. Smith DM, Mathews WC. Physicians' attitudes toward homosexuality and HIV: survey of a California Medical Society- revisited (PATHH-II). J Homosex. 2007;52(3-4):1-9. Epub 2007/06/28. doi: 10.1300/J082v52n03\_01. PubMed PMID: 17594969.
36. Cachay ER, Frost SDW, Richman DD, Smith DM, Little SJ. Herpes simplex virus type 2 infection does not influence viral dynamics during early HIV-1 infection. The Journal of infectious diseases. 2007;195(9):1270-7. Epub 2007/03/15. doi: 10.1086/513568. PubMed PMID: 17396995.
37. Noviello CM, Pond SLK, Lewis MJ, Richman DD, Pillai SK, Yang OO, Little SJ, Smith DM, Guatelli JC. 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. Epub 2007/02/28. doi: 10.1128/JVI.01793-06. PubMed PMID: 17329339; PubMed Central PMCID: PMC1900175.
38. Cachay ER, Moini N, Kosakovsky Pond SL, Pesano R, Lie YS, Aiem H, Butler DM, Letendre S, Mathews WC, 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. Open AIDS J. 2007;1:5-10. Epub 2008/10/17. doi: 10.2174/1874613600701010005. PubMed PMID: 18923691; PubMed Central PMCID: PMC2556194.
39. 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.
40. 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.
41. 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.
42. Goicoechea M, Smith D. Universal HIV testing: is it enough? Clinical Infectious Diseases. 2007;45(10):1375-6.
43. 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.
44. 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.
45. 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.
46. 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):1667-71. Epub 2008/08/02. doi: 10.1097/QAD.0b013e32830bfed8. PubMed PMID: 18670228; PubMed Central PMCID: PMC2653089.
47. Smith DM, Schooley RT. Running with scissors: using antiretroviral therapy without monitoring viral load. Clinical infectious diseases : an official publication of the Infectious Diseases Society of America. 2008;46(10):1598-600. Epub 2008/04/19. doi: 10.1086/587110. PubMed PMID: 18419496.
48. Kosakovsky Pond SL, Poon AF, Zarate S, Smith DM, Little SJ, Pillai SK, Ellis RJ, Wong JK, Leigh Brown AJ, Richman DD, Frost SD. Estimating selection pressures on HIV-1 using phylogenetic likelihood models. Statistics in medicine. 2008;27(23):4779-89. Epub 2008/04/03. doi: 10.1002/sim.3192. PubMed PMID: 18381707; PubMed Central PMCID: PMC2634745.
49. 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):592-6. Epub 2008/01/17. doi: 10.1097/QAI.0b013e318163bd87. PubMed PMID: 18197122; PubMed Central PMCID: PMC2630881.
50. Smith DM. Active duty military personnel presenting for care at a Gay Men's Health Clinic. J Homosex. 2008;54(3):277-9. Epub 2008/10/02. doi: 10.1080/00918360801982173. PubMed PMID: 18825864.
51. Liu L, May S, Richman DD, Hecht FM, Markowitz M, Daar ES, Routy JP, Margolick JB, Collier AC, Woelk CH, Little SJ, Smith DM. Comparison of algorithms that interpret genotypic HIV-1 drug resistance to determine the prevalence of transmitted drug resistance. AIDS (London, England). 2008;22(7):835-9. Epub 2008/04/23. doi: 10.1097/QAD.0b013e3282f5ff71. PubMed PMID: 18427201; PubMed Central PMCID: PMC2716722.
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54. Smith DM, May SJ, Tweeten S, Drumright L, Pacold ME, 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 (London, England). 2009;23(2):225-32. Epub 2008/12/23. doi: 10.1097/QAD.0b013e32831d2a81. PubMed PMID: 19098493; PubMed Central PMCID: PMC2644048.
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