

CURRICULUM VITAE

The Johns Hopkins University School of Medicine

Richard L. Skolasky, Jr.

11-Oct-10

DEMOGRAPHIC AND PERSONAL INFORMATION**Current Appointments**

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Personal Data

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EDUCATION AND TRAINING

1989-1993		<i><u>Johns Hopkins University</u>, School of Arts and Sciences</i>
1994-1997		<i><u>Johns Hopkins University</u>, School of Hygiene and Public Health, Department of Biostatistics – graduate coursework (32 credits) Department of Epidemiology – graduate coursework (11 credits)</i>
1997-1998		<i><u>Towson University</u>, Towson Maryland Department of Psychology Experimental Psychology Program – Master of Arts degree</i>
2002 - 2007		<i><u>Johns Hopkins University</u>, Bloomberg School of Public Health, Department of Health Policy Management – Doctor of Science</i>
Degree:		
1993	BA	<i><u>Johns Hopkins University</u>, School of Arts and Sciences, Department of Psychology</i>
1998	MA	<i><u>Towson University</u>, Department of Psychology Experimental Psychology Program</i>
2007	ScD	<i><u>Johns Hopkins University</u>, School of Public Health Department of Health Policy Management</i>

RESEARCH ACTIVITIES**Publications**

1. Alosch H, Riley LH III, Skolasky RL. Predictors of Costs and Resource Utilization in Anterior Cervical Spine Surgery: National Trends and Disparities 1992-2005 (submitted, Spine).

2. Skolasky RL, Green AF, Scharfstein D, Boulton C, Reider L, Wegener ST. Psychometric properties of the Patient Activation Measure among multi-morbid older adults. *Health Services Research*, in press 2010.
3. Kebaish KM, Neubauer PR, Voros GD, Khoshnevisan M, Skolasky RL. Scoliosis in adults aged 40 years and older: prevalence and relationship to age, race, and gender. *Spine (Phila Pa 1976)*. 2010; Epub 30 Sept (DOI: 10.1097/BRS.0b013e3181e9f120).
4. Kraft S, Gerena Y, Wojna V, Plaud-Valentin M, Rodriguez Y, Ciborowski P, Mayo R Skolasky RL, Gendelman H, Melendez L. Proteomic analyses of monocytes obtained from Hispanic women with HIV-associated dementia show depressed antioxidants. *Journal of Proteomics Clinical Applications*, in press, 2010.
5. Skolasky RL, Green AF, Scharfstein D, Boulton C, Reider L, Wegener ST. Psychometric properties of the Patient Activation Measure among multi-morbid older adults. *Health Services Research*, in press 2010.
6. Gandhi NS, Moxley RT, Creighton J, Vornbrock-Rossa H, Skolasky RL, Selnes OA, McArthur J, Sacktor N. A comparison of scales to evaluate the progression of HIV associated neurocognitive disorder. *HIV Therapy*. 2010;4(3):371-9.
7. Ain MC, Abdullah MA, Ting BL, Skolasky RL, Carlisle ES, Schkrohowsky JG, Rigamonti D. Progression of low back and lower extremity pain in a cohort of patients with achondroplasia. *J Neurosurg Spine*, 2010;13(3):335-40.
8. Zimmerman RM, Mohamed AS, Skolasky RL, Robinson MD, Kebaish KM. Functional outcomes and complications after primary spinal surgery for scoliosis in adults aged 40 years or older: a prospective study with minimum two-year follow-up. *Spine (Phila Pa 1976)*. 2010;35(20):1861-1866.
9. Streyer Carlisle ES, Ting BL, Abdullah MA, Skolasky RL, Schkrohowsky JG, Yost MT, Rigamonti D, Ain MC. Laminectomy in patients with achondroplasia: the impact of time to surgery on long-term function. *Spine (Phila Pa 1976)*. 2010 Aug 25. [Epub ahead of print]
10. Sacktor NC, Skolasky RL, Cox C, Selnes OA, Becker J, Cohen B, Martin-Thormeyer E, Miller E, for the Multicenter AIDS Cohort Study (MACS). Longitudinal changes in psychomotor speed test performance among HIV+ and HIV- individuals: The impact of age and serostatus. *J Neurovirol*. 2010 Aug 20. [Epub ahead of print]
11. Mohamed MA, Barker PB, Skolasky RL, Selnes OA, Moxley RT, Pomper MG, Sacktor NC. Brain metabolism and cognitive impairment in HIV infection: A 3-T magnetic resonance imaging study. *Magn Reson Imaging*. 2010 Aug 3. [Epub ahead of print]
12. Sponseller PD, Erkula G, Skolasky RL, Venuti KD, Dietz HC, III. Improving clinical recognition of Marfan syndrome. *J Bone Joint Surg Am* 2010;92:1868-75.
13. Nakasujja N, Skolasky RL, Musisi S, Allebeck P, Robertson K, Ronald A, Katabira E, Clifford DB, Sacktor NC. Depressive symptoms and cognitive function among HIV-positive individuals in Uganda. *BMC Psychiatry*. 2010 Jun 10;10:44.
14. Pull ter Gunne AF, Mohamed AS, Skolasky RL, van Laarhoven CJHM, Cohen DB. The presentation, incidence, etiology, and treatment of surgical site infections after surgery. *Spine (Phila Pa 1976)*. 2010 Jun 1;35(13):1323-8.
15. Garcia-Crespo K, Cadilla C, Skolasky R, Melendez LM. Restricted HIV-1 replications in placental macrophages is caused by inefficient viral transcription. *Journal of Leukocyte Biology* 2009 Dec 30 [Epub ahead of publication].
16. Skolasky RL, Mackenzie EJ, Wegener ST, Riley LH III. Psychometric properties of the Patient Activation Measure in persons undergoing spine surgery. *Quality of Life Research*, 2009 Nov 15 [Epub ahead of publication].
17. Pull ter Gunne AF, Skolasky RL, Ross H, van Laarhoven CJ, Cohen DB. Influence of perioperative resuscitation status on postoperative spine surgery complications. *Spine J*, 2009 Nov 13 [Epub ahead of publication].

18. Lai C-H, Melli G, Chang Y-J, Skolasky RL, Corse AM, Wagner KR, Cornblath DR. Open muscle biopsy in suspected myopathy: diagnostic yield and clinical utility. *Euro J Neurol* 2009 doi:10.1111/j.1468-1331.2009.02765.x
19. Alosch H, Riley LH III, Skolasky RL. Race, Insurance Status, and Geography as Predictors of Anterior Cervical Spine Surgery Rates and In-Hospital Mortality: An Examination of U.S. Trends from 1992-2005. *Spine* 2009;34(18):1956-62.
20. Pichard CP, Robinson RE, Skolasky RL, Fedarko NS, Leet AI. Surgical blood loss during femoral rodding in children with osteogenesis imperfecta. *J Child Orthop* 2009;3(4):301-5.
21. Sacktor N, Nakasujja N, Skolasky RL, Robertson K, Musisi S, Ronald A, Katabira E, Clifford DB. HIV subtype D is associated with dementia compared to subtype A in immunosuppressed individuals at risk for cognitive impairment in Kampala, Uganda. *Clinical Infectious Diseases* 2009;49(5):780-6.
22. Farmer KW, Brinkley MF, Skolasky RL, Sponseller PD, Ain MC. Lumbar fusion in achondroplasia. Does fusion to the sacrum affect function? *J Pediatr Orthop*. 2009;29(5):476-480.
23. Pull ter Gunne AF, Skolasky RL, Cohen DB. Fracture characteristics predict patient mortality after blunt force cervical trauma. *Eur J Emerg Med* 2009 Jun 18 [Epub ahead of publication].
24. Sacktor N, Nakasujja N, Skolasky RL, Robertson K, Musisi S, Ronald A, Katabira E, Clifford DB. Benefits and risks of stavudine therapy for HIV-associated neurologic complications in Uganda. *Neurology*, 72(2):165-70, 2009.
25. Velazquez I, Plaud-Valentin M, Wojna V, Skolasky R, Melendez LM. Antioxidant enzyme dysfunction in monocytes and CSF of Hispanic women with HIV-associated cognitive impairment. *J Neuroimmunology*, 206(1-2):106-11, 2009.
26. Skolasky RL, Mackenzie EJ, Wegener ST, Riley LH III: Patient activation and adherence to physical therapy in persons undergoing spine surgery. *Spine*, 33(21): E784-91, 2008.
27. Wierks C, Skolasky RL, Ji JH, McFarland EG. Reverse total shoulder replacement: intraoperative and early postoperative complications. *Clin Orthop Relat Res*. 467(1):225-34, 2009.
28. Skolasky RL, Albert TJ, Vaccaro AR, Riley LH,III. Patient satisfaction in the cervical spine research society outcomes study: Relationship to improved clinical outcome. *Spine J*. 2009;9(3):232-239.
29. Wojna V, Skolasky RL, McArthur JC, Maldonado E, Hechavarria R, Mayo R, Selnes O, Ginebra T, de la Torre T, Garcia H, Kraiselburd E, Melendez-Guerrero LM, Zorrilla CD, Nath A. Spanish validation of the HIV dementia scale. *AIDS Patient Care STDS*, 21(12): 930-41, 2007.
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31. Nieves DM, Plaud M, Wojna V, Skolasky R, Melendez LM. Characterization of peripheral blood human immunodeficiency virus isolates from Hispanic women with cognitive impairment. *J Neurovirology*, 13(4): 315-27, 2007.
32. Wachtman LM, Skolasky RL, Tarwater PM, Esposito D, Schifitto G, Marder K, McDermott MP, Cohen BA, Nath A, Sacktor N, Epstein LG, Mankowski JL, McArthur JC. Platelet decline: an avenue for investigation into the pathogenesis of human immunodeficiency virus associated dementia. *Arch Neurol*, 64(9): 1264-72, 2007.
33. Sacktor NC, Skolasky RL, Selnes OA, Watters M, Poff P, Shiramizu B, Shikuma C, Valcour V. Neuropsychological test profile differences among young and old HIV+ individuals. *J Neurovirology*, 13(3): 203-9, 2007.

34. Skolasky RL, Riley LH III, Albert TJ. Psychometric properties of the Cervical Spine Outcomes Questionnaire and its relationship to standard assessment tools used in spine research. *The Spine Journal*, 7(2):174-179, 2007.
35. Wong MH, Robertson K, Nakasujja N, Skolasky RL, Musisi S, Katabira E, McArthur JC, Ronald A, Sacktor NC. Frequency of and risk factors for HIV-associated dementia in an HIV clinic in sub-Saharan Africa. *Neurology* 68:350-5. 2007.
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37. Wojna V, Skolasky RL, Hechavarria R, Mayo R, Selnes OA, McArthur JC, Melendez L, Maldonado E, Zorrilla CD, Garcia H, Kraiselburd E, Nath A. Prevalence of HIV-associated Cognitive Impairment in a Group of Hispanic Women at Risk for Neurological Impairment. *Journal of Neurovirology* 12(5):356-64; 2006.
38. Sacktor NC, Nakasujja N, Skolasky RL, Robertson K, Wong M, Musisi S, Ronald A, Katabira E. Antiretroviral therapy improves cognition in HIV+ individuals in sub-Saharan Africa. *Neurology* 67(2): 311-4; 2006.
39. Skolasky RL, Maggard AM, Hilibrand AS, Northrup BE, Ullrich CG, Albert TJ, Coe JD, Riley LH III: Agreement between surgeons and an independent panel with respect to surgical site fusion after single-level anterior cervical spine surgery: a prospective, multicenter study. *Spine*. 31(15):E503-E506, 2006.
40. Crawford TO, Skolasky RL, Fernandez R, Rosquist KJ, Lederman HM. Survival probability in ataxia telangiectasia. *Arch Dis Child* 91:610-1, 2006.
41. Shaya FT, El Khoury AC, Mullins D, Du D, Skolasky RL, Fatodu H, Garber H, Wier MR. Drug therapy persistence and stroke recurrence. *Am J Managed Care* 12: 313-9; 2006.
42. Ain MC, Shirley ED, Pirouzmanesh A, Skolasky RL, Leet AI: Genu varum in achondroplasia. *J Pediatr Orthop* 26(3):375-379, 2006
43. Cherry CL, Skolasky RL, Lal L, Creighton J, Hauer P, Raman SP, Moore R, Carter K, Thomas D, Ebenezer GJ, Wesselingh SL, McArthur JC. Antiretroviral use and other risks for HIV-associated neuropathies in an international cohort. *Neurology* 2006;66(6):867-73.
44. Riley LH, III, Skolasky RL, Albert TJ, Vaccaro AR, Heller JG: Dysphagia after anterior cervical decompression and fusion: prevalence and risk factors from a longitudinal cohort study. *Spine* 2005 Nov 15;30(22):2564-9.
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46. Andrade AS, McGruder HF, Wu AW, Celano SA, Skolasky RL, Selnes OA, Huang JC, McArthur JC. A programmable prompting device improved adherence to highly active antiretroviral therapy in HIV-infected patients with memory impairment. *Clin Infect Dis*. 2005 Sep 15; 14(6):875-82.
47. Sacktor NC, Wong M, Nakasujja N, Skolasky RL, Selnes OA, Musisi S, Robertson K, McArthur JC, Ronald A, Katabira E. The International HIV Dementia Scale: A new rapid screening test for HIV Dementia. *AIDS*. 2005 Sep 2:19(13);1367-74.
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51. Sacktor NS, Skolasky RL, Ernst T, Mao X, Selnes OA, Pomper MG, Chang, L, Zhong K, Shungu DC, Marder K, Shibata D, Schifitto G, Bobo L, Barker PB. A multicenter study of two magnetic resonance spectroscopy techniques in individuals with HIV dementia. *J MRI*. 2005 Apr;21(4):325-33.
52. Shaya FT, Samant N, Skolasky RL, Saunders E. Modeling risk of gastrointestinal events among Medicare NSAID users using propensity scores. *Expert Review of Pharmacoeconomics & Outcomes Research* 2005;5(5):625-32.
53. Zhou L, McConville J, Chaudhry V, Adams RN, Skolasky RL, Vincent A, Drachman DB. Clinical comparison of muscle-specific tyrosine kinase (MuSK) antibody-positive and -negative myasthenic patients. *Muscle Nerve*. 2004 Jul;30(1):55-60.
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58. Farinpour R, Miller EN, Satz P, Selnes OA, Cohen BA, Becker JT, et al. Psychosocial risk factors of HIV morbidity and mortality: findings from the Multicenter AIDS Cohort Study (MACS). *J Clin Exp Neuropsychol* 2003;25(5):654-670.
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60. Chaudhry V, Corse A, Skolasky RL. Surface EMG recording of volitional activity: A technique to detect partial motor conduction block. *Muscle and Nerve* 27(5), 2003.
61. Thio CL, Seaberg EC, Skolasky RL, Phair J, Visscher B, Munoz A, Thomas DL Multicenter AIDS Cohort Study. HIV-1, hepatitis B virus, and risk of liver-related mortality in the Multicenter Cohort Study (MACS). *Lancet*. 2002 Dec 14;360(9349):1921-6.
62. Crawford TO, Skolasky RL. The relationship of SMN to amyotrophic lateral sclerosis. *Ann Neurol* 2002;52(6):857-858; author reply 858-861.
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64. Dougherty RH, Skolasky RL, McArthur JC. Progression of HIV-associated dementia treated with highly active antiretroviral therapy. *The AIDS Reader*, 2001.
65. Davis HF, Skolasky RL, Selnes OA, Burgess DM, McArthur JC. Assessing the severity of HIV-associated dementia: Comparison of Modified HIV Dementia Scale and the Grooved Pegboard. *The AIDS Reader*, 2001.
66. Skolasky RL, Phair J, Detels R, Riddler S, Margolick J, Jacobson LD for the Multicenter AIDS Cohort Study (MACS). Thrush and fever as markers of immune competence in the era of highly active antiretroviral therapy

(HAART). *AIDS Research and Human Retroviruses* 17(14), 2001.

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68. Sacktor NC, Tarwater PM, Skolasky RL, McArthur JC, Selnes OA, Becker J, Cohen B, Miller EN for the Multicenter AIDS Cohort Study (MACS). CSF antiretroviral drug penetrance and the treatment of HIV-associated psychomotor slowing. *Neurology* 57(3), 2001.
69. Sacktor NC, Lyles RH, Skolasky RL, Kleeberger C, Selnes OA, Miller EN, Becker JT, Cohen B, McArthur JC for the Multicenter AIDS Cohort Study (MACS). HIV-associated neurologic disease incidence changes: Multicenter AIDS Cohort Study, 1990-1998. *Neurology* 56(2), 2000.
70. Sacktor NC, Skolasky RL, Lyles RH, Esposito D, Selnes OA, McArthur JC. Improvement in HIV-associated motor slowing after antiretroviral therapy including protease inhibitors. *J Neurovirology* 6, 2000
71. Sacktor NC, Lyles RH, Skolasky RL, Anderson DE, McArthur JC, McFarlane G, Selnes OA, Becker JT, Cohen B, Wesch J, Miller EN. Combination antiretroviral therapy improves psychomotor speed performance in HIV-seropositive homosexual men. Multicenter AIDS Cohort Study (MACS). *Neurology*. 1999 May 12;52(8):1640-7.
72. Sacktor NC, Skolasky RL, Lyles RH, McFarlane G, Anderson DE, Miller EN, JC, Selnes OA, Becker JT, Wesch J, McArthur JC for the Multicenter AIDS Cohort Study (MACS). Highly active antiretroviral therapy (HAART) improves cognitive impairment in HIV+ homosexual men. *J Neurovirology* 4, 1998.
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74. Huang SS, Skolasky RL, Dal Pan GJ, Royal WR, McArthur JC. Survival Prolongation in HIV seropositive patients with progressive multifocal leukoencephalopathy treated with alpha-interferon: An observational study. *Journal of Neurovirology* 4:3, 324-32, Jun, 1998.
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76. Dal Pan G, Farzadegan H, Selnes OA, Hoover D, Miller E, Skolasky RL, Nance-Sproson L, McArthur JC for the Multicenter AIDS Cohort Study (MACS). Sustained cognitive decline in HIV infection: Relationship to CD4+ cell count, plasma viremia, and p24 antigenemia. *Journal of Neurovirology* 4:1, 95-9, Feb, 1998.
77. Dal Pan GJ, Skolasky RL, Moore RD. The impact of neurological disease on HIV-related hospitalizations in Maryland, 1991-1992. *Archives of Neurology* 54:7, 846-52, Jul, 1997.

Abstracts

1. Farjoodi P, Skolasky RL, Riley LH III. The Effects of Hospital and Surgeon Volume on Postoperative Complications following Lumbar Spine Surgery. The 25th Annual Meeting of the North American Spine Society.
2. Rosenthal LS, Skolasky RL, Moxley IV RT, Vornbrock Roosa H, Selnes OA, Eschman A, McArthur JC, Sacktor NC. Validation of a Novel Computerized Performance-Based Functional Assessment for HIV Associated Neurocognitive Disorders. American Academy of Neurology 62nd Annual Meeting. Toronto, Canada. April 2010.
3. Wojna V, Skolasky RL. Insulin Receptor as a Biomarker for HAND in a Cohort of HIV-Infected Women. American Academy of Neurology 62nd Annual Meeting. Toronto, Canada. April 2010.
4. Weaver JR, Stark SM, Shahverdi KT, Jeter S, Zorzi J, Skolasky RL, Adreiczuk MA, Stearns V, Gordon B. Study of Neurobehavioral Symptoms and Impairments in Breast Cancer Patients Receiving Adjuvant Aromatase Inhibitor Therapy. San Antonio Breast Cancer Symposium. 2009.

5. Skolasky RL, MacKenzie EJ, Riley LH III, Wegener ST. Reliability and construct validity of the Patient Activation Measure. The 117th Annual Meeting of the American Psychological Association, Toronto, Canada.
6. pull ter Gunne AF, Skolasky RL, Ross H, Cohen DB. The influence of hemoglobine levels, red blood cell and fresh frozen plasma use on postoperative deposition and outcome. The 24th Annual Meeting of the North American Spine Society, San Francisco, CA.
7. Kebaish KM, pull ter Gunne AF, Mohamed AS, Skolasky RL. A New Low Profile Sacro-Pelvic Fixation Technique Using S2 Alar Iliac (S2AI) Screws in Adult Deformity Fusion to the Sacrum: A prospective Study with Minimum 2-Year Follow-Up. The 24th Annual Meeting of the North American Spine Society, San Francisco, CA.
8. Kebaish KM, pull ter Gunne AF, Mohamed AS, Skolasky RL. A New Low Profile Sacro-Pelvic Fixation Technique Using S2 Alar Iliac (S2AI) Screws in Adult Deformity Fusion to the Sacrum: A prospective Study with Minimum 2-Year Follow-Up. International Meeting on Advances Spinal Techniques, Vienna, Austria.
9. Kebaish KM, pull ter Gunne AF, Mohamed AS, Skolasky RL. A New Low Profile Sacro-Pelvic Fixation Technique Using S2 Alar Iliac (S2AI) Screws in Adult Deformity Fusion to the Sacrum: A prospective Study with Minimum 2-Year Follow-Up. Scoliosis Research Society Annual Meeting 2009, San Antonia TX.
10. Neubauer P, Skolasky RL, Kebaish KK. Is there a Relationship Between Scoliosis Prevalence and Osteoporosis? A study of 2973 individuals. The 24th Annual Meeting of the North American Spine Society, San Francisco, CA.
11. Archer KR, Skolasky RL, Riley LH III. Effects of Fear-Avoidance Beliefs on Pain and Disability after Spine Surgery. The 24th Annual Meeting of the North American Spine Society, San Francisco, CA.
12. Salem A, pull ter Gunne A, Skolasky RL, Kebaish KM. Outcome and surgical strategies in the treatment of sacral fractures complicating long posterior spinal fusion. Scoliosis Research Society 44th Annual Meeting, San Antonio, TX.
13. Salem A, pull ter Gunne A, Skolasky RL, Kebaish KM. Rate of Curve Progression in Adult Scoliosis Patients. Is there a Difference Between Idiopathic and Degenerative curves? Scoliosis Research Society 44th Annual Meeting, San Antonio, TX.
14. Salem A, pull ter Gunne A, Skolasky RL, Kebaish KM. Outcome and surgical strategies in the treatment of sacral fractures complicating long posterior spinal fusion. The 16th International Meeting on Advanced Spine Techniques. Vienna, Austria.
15. Salem A, pull ter Gunne A, Skolasky RL, Kebaish KM. Rate of Curve Progression in Adult Scoliosis Patients. Is there a Difference Between Idiopathic and Degenerative curves. The 16th International Meeting on Advanced Spine Techniques. Vienna, Austria.
16. Neubauer P, Skolasky RL, Kebaish KM. Sacropelvic Fixation using the Transilial Bar Technique in Adult Spinal Deformity Surgery. North American Spine Society 23rd Annual Meeting, Toronto, CA.
17. Kebaish KM, Skolasky RL. Functional Outcomes and Complications Following Primary Spinal Surgery for Scoliosis in Adults 40 Years of Age and Older: A Prospective Study with 2-Year Minimum Follow-Up. North American Spine Society 23rd Annual Meeting, Toronto, CA.
18. Skolasky RL, Riley LH III, MacKenzie EJ, Wegener ST. Psychometric properties of the Patient Activation Measure in persons undergoing spine surgery. 2008 AHRQ Annual Conference "Promoting Quality ... Partnering for Change." September 7-10, 2008, Bethesda MD.
19. Skolasky RL, Wegener ST, MacKenzie EJ, Riley LH III. Functional recovery in lumbar spine surgery: Understanding patient activation. American Psychological Association 2008 Annual Meeting, Boston MA.

20. Skolasky RL, Riley LH III, Albert TJ. Subjective outcomes following ACDF: Factors associated with dissatisfaction. Cervical Spine Research Society 35th Annual Meeting, San Francisco CA.
21. Kebaish K, Skolasky RL. Prevalence of scoliosis in adults, age 40 years or older: A study of 2,973 individuals. North American Spine Society 22nd Annual Meeting. Austin TX.
22. Kebaish, K, Skolasky RL. Effect and outcome of prophylactic vertebroplasty in long spinal fusions on the incidence of proximal junctional kyphosis (PJK): Minimum two year follow-up. North American Spine Society 22nd Annual Meeting. Austin TX.
23. Mohamad MA, Sacktor NC, Skolasky RL, Moxley RT, Pomper MG, Barker PB. 3 Tesla MR spectroscopy reveals decreased glutamine and glutamate levels in frontal white matter in HIV-associated dementia.
24. Wojna V, Fernandez MM, Bandura VVR, Haughey N, Skolasky RL, McArthur JC, Mayo R, Selnes OA, Melendez L, Anderson C, Nath A. Oxidative stress markers may serve as a biomarker for HIV-associated cognitive impairment in women. American Academy of Neurology 59th Annual Meeting, April 28 – May 5, 2007.
25. Mohamed MA, Skolasky RL, Moxley RT, Pomper MG, Barker PB, Sacktor NC. Abnormal glutamate and glutamine levels in HIV-Associated Dementia: a 3 Tesla Magnetic Resonance Spectroscopy (MRS) Study. Radiological Society of North America 92nd Scientific Assembly and Annual Meeting, November 26 – December 1, 2006.
26. Melendez-Guerrero LM, Plaud-Valentin M, Skolasky RL, McArthur JC, Nath A, Kraiselburg E, Gendelman H, Mayo R, Hechavarría R, Wojna V. CD16 monocytes are elevated in a cohort of Hispanic women characterized for HIV-associated dementia in the era of HAART. 12th Society Neuroimmune Pharmacology conference, Sante Fe, NM, April 5-9, 2006.
27. Thomas D, Creighton C, Skolasky RL, Ebenezer G, Carter K, Hauer P, McArthur J. Does the metabolic syndrome modify the risk of HIV-associated sensory neuropathies? 58th American Academy of Neurology Annual Meeting, San Diego, California, April 1 - 8, 2006.
28. Thomas D, Creighton C, Skolasky RL, Ebenezer G, Carter K, Hauer P, McArthur J. Determinants of progression in HIV-associated sensory neuropathies. 58th American Academy of Neurology Annual Meeting, San Diego, California, April 1 - 8, 2006.
29. Wojna V, Colon E, Melendez M, Anderson C, Turchan J, Skolasky RL, Hidalgo A, Mayo R, Curry T, Fernandez L, McArthur J, Nath A. Oxidative stress and sex hormones in brain atrophy by MRS in HIV+ women. HIV Infection and the Central Nervous System: Developed and Resource Limited Settings, Frascati, Italy. June 11-13, 2005.
30. Wojna V, Nath A, Mayo R, Skolasky RL, Hechavarría R, McArthur JC, Fernandez M, Melendez L, Garcia H, Zorilla C, Kraiselburg E. Correlations and strengths of the scales of HIV dementia in a cohort of HIV positive women. HIV Infection and the Central Nervous System: Developed and Resource Limited Settings, Frascati, Italy. June 11-13, 2005.
31. Sacktor NC, Nakasujja N, Wong D, Skolasky RL, Robertson K, Musisi S, Katabira E, Ronald A. Neurocognitive and Functional Improvement With Highly Active Antiretroviral Therapy in HIV+ Individuals With Neurocognitive Impairment in Sub-Saharan Africa, International AIDS Society, Rio de Janeiro, Brazil, July 24-27, 2005.
32. Skolasky RL, Daruwalla Z, Cohen D, Kebaish K, Gokaslan Z, Long D, Riley LH III. Examining the utility of preexisting hospital records as a data source for a quality of care study of lumbar surgeries, 21st Annual Meeting of the North American Spine Society, Philadelphia PA, September 2005.
33. Skolasky RL, Riley LH III. Disparities in rates of anterior cervical discectomy and fusion an examination of gender racial and regional differences in the nationwide inpatient survey 1999 – 2001, 21st Annual Meeting of the North American Spine Society, Philadelphia PA, September 2005.

34. Gonya G, Kebaish K, Perez O, Skolasky RL, Liang SY. Long adult deformity correction to L5: Risk factors for loss of fixation. 21st Annual Meeting of the North American Spine Society, Philadelphia PA, September 2005.
35. Coe JD, Skolasky RL, Maggard, A, Hilibrand AS, Northrup BN, Ulrich CG, Albert TJ, Riley LH III. Agreement between operating surgeons and an expert panel with respect to surgical site fusion following anterior cervical decompression and fusion: A prospective, multi-center study. 21st Annual Meeting of the Cervical Spine Research Society European Section, Rome, Italy, June 16-17, 2005.
36. Skolasky RL, Maggard, A, Hilibrand AS, Northrup BN, Ulrich CG, Albert TJ, Coe JD, Riley LH III. Agreement between operating surgeons and an expert panel with respect to surgical site fusion following anterior cervical decompression and fusion: A prospective, multi-center study. 32nd Annual Meeting of the Cervical Spine Research Society, Boston MA, December 11, 2004.
37. Albert TJ, Skolasky RL, Apfelbaum RI, Anderson PA, Herkowitz, HN, Epstein N, Riley LH III. Fusion rates following anterior cervical decompression and fusion: A prospective multi-center study to investigate predictive factors of positive clinical outcome. 32nd Annual Meeting of the Cervical Spine Research Society, Boston MA, December 9, 2004.
38. Riley LH III, Skolasky RL, Albert TJ, Heller JG. Swallowing difficulty following anterior cervical decompression and fusion: Prevalence and risk factors from a longitudinal cohort study. 32nd Annual Meeting of the Cervical Spine Research Society, Boston MA, December 9, 2004.
39. Draxinger KD, Skolasky RL, Riley, LH III. Factors leading to complications in anterior cervical spine surgery. 20th Annual Meeting of the North American Spine Society, Chicago, IL, September 30, 2004.
40. Snyder, CF, Wu AW, Andrade AS, Davis HF, Celano SA, Skolasky RL, Letz AM, McArthur JC. A randomized trial of the impact of a programmable medication reminder device on quality of life in HIV/AIDS patients. 10th Annual Meeting of the International Society for Quality of Life Research, Prague, Czech Republic, Nov 14, 2003.
41. Sacktor NC, Skolasky RL, Tarwater PM, McArthur JC, Selnes OA, Becker J, Cohen B, Miller EN. The relationship between viral load response to highly active antiretroviral therapy and psychomotor speed performance in HIV+ homosexual men. *Neuroscience of HIV Infection: Basic Science and Research*, Düsseldorf, Germany, June 24-26, 2002.
42. Sacktor NC, Degaonkar M, Herskovits E, Skolasky RL, Barker P, Bleich K, Conant K, McArthur JC, Pomper MG. Magnetic resonance spectroscopic imaging in individuals with HIV-associated cognitive impairment initiating highly active antiretroviral therapy: Correlation of metabolic concentrations with clinical, virological, and immune activation markers. *American Academy of Neurology, Fifty-Fourth Annual Meeting*, Denver, April, 2002.
43. Lee HW, Webber WRS, Skolasky RL, Beyderman L, Motamedi GK, Mizuno-Matsumoto Y, Cho YW, Lesser RP. When is brief pulse stimulation most likely to suppress Afterdischarges? An approach using neighbor cross-correlation coefficient. *American Academy of Neurology, Fifty-Fourth Annual Meeting*. Denver. April, 2002.
44. Thio CL, Seaburg EC, Skolasky RL, Phair J, Visscher B, Muñoz A, Thomas D. Liver disease mortality in HIV/HBV co-infected individuals. *9th Conference on Retroviruses and Opportunistic Infections*, Seattle WA, February 24-28, 2002.
45. Towfighi A, Skolasky RL, St. Hillaire C, Conant K, McArthur JC. Soluble Fas in the Cerebrospinal Fluid is a Potential Marker for the Severity and Prognosis of HIV-Associated Dementia. *9th Conference on Retroviruses and Opportunistic Infections*, Seattle WA, February 24-28, 2002.
46. Marsh L, Grill S, Bunting L, Vaughan C, Skolasky RL, Liang K, Dawson T. Treatment of depression in Parkinson's disease: Effects on motor disability. Mental and behavioral dysfunction in movement disorders. October 1-13, 2001.
47. Davis HF, Andrade A, Celano S, Hill C, Selnes OA, Skolasky RL, Letzt A, McArthur JC. Impact of neuropsychological impairment on HAART adherence: A preliminary investigation. International

Neuropsychological Society, Brasilia, Brazil, July 4-7, 2001.

48. Andrade A, Davis HF, Celano S, Cheever L, Wu A, Skolasky RL, Letzt A, McArthur JC. Intervention trial using a novel electronic device in HAART initiators: Impact of cognitive dysfunction. *8th Conference on Retroviruses and Opportunistic Infections*. Chicago IL. February 4-8, 2001.
49. Davis HF, Skolasky RL, Selnes OA, Burgess D, McArthur JC. Modified HIV Dementia Scale and Grooved Pegboard: Accurate staging of HIV-associated dementia. *XIII International AIDS Conference*, Durban, South Africa, July 9-14, 2000.
50. Sacktor NC, Skolasky RL, McArthur JC for the Multicenter AIDS Cohort Study (MACS). Cerebrospinal fluid (CSF) drug penetrance and treatments of HIV-associated cognitive impairment. *Neuroscience of HIV Infection: Basic Science and Research*, Edinburgh, Scotland, June 22-24, 2000.
51. Muñoz A, Skolasky RL, Margolick J, Giorgi J, Rinaldo C, Phair J, Kleeberger C, Kaslow R, O'Brien S for the Multicenter AIDS Cohort Study (MACS), Population-level protection attributable to host genetic markers conferring resistance to AIDS progression. *7th Conference on Retroviruses and Opportunistic Infections*, San Francisco, CA, January 30 – February 2, 2000.
52. McArthur JC, McClernon D, Nance-Sproson TE, Skolasky RL, Lanier ER. Factors associated with durable CSF virological suppression in HIV infection. *American Academy of Neurology, Fifty-First Annual Meeting*. Toronto. April 1999.
53. Sacktor NC, Lyles RH, McFarlane G, Skolasky RL, Kleeberger C, Becker JT, Cohen B, Wesch J, Miller EN, McArthur JC. HIV-1 related neurological disease incidence changes in the era of highly active antiretroviral therapy. *American Academy of Neurology, Fifty-First Annual Meeting*. Toronto. April 1999.
54. Sacktor NC, Skolasky RL, Lyles RH, McFarlane G, Anderson DE, Miller EN, Selnes OA, Becker JT, Wesch J, McArthur JC for the Multicenter AIDS Cohort Study (MACS). HIV-associated psychomotor slowing improves with combination antiretroviral therapy. Tenth Annual American Neuropsychiatric Association Meeting. January 1999.
55. Sacktor NC, Lyles RH, McFarlane G, Skolasky RL, Kleeberger C, Becker JT, Cohen B, Wesch J, Miller EN, McArthur JC for the Multicenter AIDS Cohort Study (MACS). The changing incidence of HIV-1-related neurological diseases: 1990–1997. Sixth Conference on Retroviruses and Opportunistic Infections. January 1999.
56. Skolasky RL, Esposito DE, Selnes OA, Power C, McArthur JC. Modified HIV Dementia Scale: accurate staging of HIV-associated dementia. *Neuroscience of HIV Infection: Basic Research and Clinical Frontiers*, Chicago, IL. June 3-6, 1998.
57. Sacktor NC, Skolasky RL, Lyles RH, McFarlane G, Anderson DE, Miller EN, Selnes OA, Becker J, Wesch J, McArthur JC for the Multicenter AIDS Cohort Study (MACS). Highly active antiretroviral therapy (HAART) improves cognitive impairment in HIV+ homosexual men. *Neuroscience of HIV Infection: Basic Research and Clinical Frontiers*, Chicago, IL. June 3-6, 1998.
58. Moo LR, Hauer PH, Brown A, Carter KM, Skolasky RL, Simpson D, Clifford D, Schiffito G, Yiannoutsis C, Hollander H, Cohen B, Berger J, McArthur JC. Reduced intraepidermal nerve fiber density in HIV neuropathy. *American Academy of Neurology, Fiftieth Annual Meeting*, Minneapolis MN. April 1998.
59. Wolk DA, Miseljc S, Civelek AC, Port JD, Chin BB, Skolasky RL, McArthur JC. Diagnostic utility of thallium-201 in HIV-associated mass lesions. *American Academy of Neurology, Fiftieth Annual Meeting*, Minneapolis MN. April 1998.
60. Sacktor N, Skolasky RL, Esposito D, Lyles R, McFarlane G, Nance-Sproson TE, Selnes OA, McArthur JC. Combination antiretroviral therapy including protease inhibitors improves psychomotor speed performance in HIV infection. *American Academy of Neurology, Fiftieth Annual Meeting*, Minneapolis MN. April 1998.

61. Huang SS, Skolasky RL, McArthur JC. Survival prolongation and symptom palliation in HIV seropositive patients with PML treated with alpha-interferon. *American Academy of Neurology, Forty-ninth Annual Meeting*, Boston, Mass. April 12-19, 1997.
62. Sacktor N, Lyketsos C, Esposito D, Nance-Sproson TE, Skolasky RL, Selnes OA, McArthur JC. Depression subtypes in HIV infection. *American Academy of Neurology, Forty-ninth Annual Meeting*, Boston, MA, April 12-19, 1997.
63. Skolasky RL, Dal Pan GJ, Moore RD. Temporal changes between 1991 and 1995 in HIV-related neurological hospitalizations at a large urban teaching hospital. *American Academy of Neurology, Forty-ninth Annual Meeting*, Boston, MA, April 12-19, 1997.
64. Huang SS, Skolasky RL, Dal Pan GJ, Royal WR, McArthur JC. Survival prolongation and symptom palliation in HIV seropositive patients with PML treated with alpha-interferon. *Fourth Conference on Retroviruses and Opportunistic Infections*, Washington, D.C. January 22-26, 1997.
65. McArthur JC, Bouwman FH, Skolasky RL, Dal Pan G, Glass J, Selnes OA. Rapid progression of HIV-associated dementia: Association with CNS immune activation. *Fourth Conference on Retroviruses and Opportunistic Infections*, Washington, D.C. January 22-26, 1997.
66. Bouwman FH, Skolasky RL, Dal Pan G, Glass J, Selnes OA, McArthur JC. Variation in clinical progression of HIV-associated dementia. *XI International Conference on AIDS, Vancouver, British Columbia, July 7-12, 1996*. Earned Young Investigator's Award.
67. Dal Pan GJ, Skolasky RL, Moore R. Fiscal impact of neurological disease on HIV-related hospitalizations. *American Academy of Neurology, Forty-eighth Annual Meeting*, San Francisco, March 23-30, 1996.
68. Carter KM, Dal Pan GJ, Skolasky RL, McArthur JC. Descriptors of HIV-associated sensory neuropathy. *Neuroscience of HIV Infection. Paris, France*. March 6-9, 1996.
69. Skolasky RL, Dal Pan GJ, Lenz F, McArthur JC. Brain biopsy in HIV-infection: Utility and role in management. *Neuroscience of HIV Infection. Paris, France*. March 6-9, 1996. (oral presentation)
70. McArthur JC, Skolasky RL, Dal Pan G, Glass J, Selnes OA: Variation in clinical progression with HIV-associated dementia. *Neuroscience of HIV Infection: Basic and Clinical Frontiers, Vancouver, BC, Aug 2-5 1994*.

Extramural Funding

Research Program Building / Leadership

EDUCATIONAL ACTIVITIES

Teaching

- Neurology Residents' seminar (May, 2002)
- Orthopaedic Research Rounds (2005/06, 2006/07)

Mentoring

- Philip Neubauer, MD Orthopaedic Surgery resident <title of project>
- Kevin Farmer, MD Orthopaedic Surgery resident <title of project>
- Payam Farjoodi, MD Orthopaedic Surgery resident <title of project>
- Hassan Alish, MHS student <title of project>
- Mona Mohamed, "Brain metabolism and cognitive impairment in HIV infection: a 3 Tesla Magnetic Resonance Spectroscopy Study"

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

- Institutional Review Board member (December, 2003 – present)

Editorial Activities

- The Spine Journal, editorial board (November, 2008 – present)
- Quality of Life Research, reviewer (January, 2010 – present)

Data Safety Monitoring Board

- PI: Paul Sponseller
- PI: Kathryn Wagner
- PI: Anita Venkataramana

Advisory Committees, Review Groups/Study Sections

- *Measuring Health Disparities* Department of Health & Mental Hygiene, State of Maryland (December, 2004 – present)
- *Research Committee* of the Cervical Spine Research Society (December, 2005 – November, 2008)
- *Research Project Management Committee* of the North American Spine Society (November, 2009 – October, 2012)
- *Johns Hopkins Center for Global Health*, Framework Program in Global Health Predoctoral Research Fellowship (November, 2008 – present)

Professional Societies

- American Statistical Association (2002 – present)
- American Psychological Association (2002 – present)
- Academy Health (2005 – present)
- American Public Health Association (2005 – present)
- North American Spine Society (2005 – present)
- Cervical Spine Research Society (2005 – present)

Conference Organizer, Session Chair

- Abstract reviewer, NASS Annual Meeting 2007

RECOGNITION

Honors/Awards

1. *Young Investigator's Award* for work on 'Variation in Clinical Progressions of HIV-associated Dementia,' XI International Conference on AIDS, Vancouver BC, July 7-12, 1996.