

Date: 7/05/07

## **CURRICULUM VITAE**

Robert Harris Paul

### **PERSONAL INFORMATION**

Business Address: University of Missouri, St. Louis  
Department of Psychology  
Behavioral Neuroscience  
One University Blvd.  
St. Louis, MO  
Telephone: 314 516-5398

### **EDUCATION**

Undergraduate: California State University, Long Beach  
Major Field: Psychology  
Degree: Bachelor of Arts, 1993  
Honors Cum Laude  
Top Ten Psychology Students  
Most Outstanding Psychology Student  
Most Outstanding Graduate, College of Liberal Arts

Graduate: University of Oklahoma Health Sciences Center  
Attended: 8/93-5/95  
Major Field: Biological Psychology/Neuropsychology  
Minor Fields: Psychopathology and Neuroanatomy  
Degree: Master of Science, 1995  
Honors: Nominee for Outstanding Master's Thesis Award

Graduate: University of Oklahoma Health Sciences Center  
Attended: 6/95-6/97  
Major Field: Biological Psychology/Neuropsychology  
Degree: Doctor of Philosophy, 1997  
Honors: Dean's Award for Clinical/Applied Research

Graduate: Oklahoma State University  
Attended: 6/95-6/98  
Program: Clinical Psychology (APA accredited)

### **POSTGRADUATE TRAINING**

Internship: Brown Medical School  
Clinical Psychology Internship Training Consortium  
Providence, Rhode Island, Box G-BH 02910  
Attended: 6/98-6/99  
Level: Intern

Specialty: Clinical Neuropsychology

Fellowship: Brown Medical School  
 Clinical Psychology Internship Training Consortium  
 Providence, Rhode Island, Box G-BH 02910

Attended: 6/99-7/01

Level: Postdoctoral Fellow, NINDS-F32

Specialty: Neuropsychology

**POSTGRADUATE HONORS AND AWARDS**

2003 Research Mentor of the Year, Dept. Psychiatry, Brown Medical School  
 2007 Meritorious Service Award, University of Missouri - St. Louis

Ad hoc Journal Review:

Neuropsychology, Journal of the International Neuropsychological Society, The Clinical Neuropsychologist, Neuropsychiatry, Neuropsychology and Behavioral Neurology, Neuropsychiatry and Clinical Neurosciences, CNS Spectrums, Archives of General Psychiatry, European Journal of Psychiatry, Stroke, Brain Research, Cognitive Neurology, BMC Neurology, Dementia: Geriatric and Cognitive Disorders, Psychiatry and Neuroscience, Neuropsychopharmacology, Annals of Internal Medicine, Advances in Medicine, CNS Drugs, Journal of AIDS, AIDS, AIDS and Behavior, HIV Medicine, Nicotine and Tobacco Research, Psychological Medicine, Health and Psychology

Grant Reviews:

Alzheimer’s Association New Investigator Awards, 2004  
 Research Into Aging Awards, 2004  
 NIH Special Emphasis Panel, ZRG1, 2004  
 Alzheimer’s Association New Investigator Awards, 2005  
 NIH Special Emphasis Panel, ZRG1, 2005  
 NIH Special Emphasis Panel, ZAI1 TP-A-M3, 2006 (HIV CTU applications)  
 NIH BSCH ad hoc member, 2006  
 NIH Special Emphasis Panel, ZDA1 MXS-M 2006  
 NIH Special Emphasis Panel ZDA1 MXS-M (22) 2007  
 NIH ZRG1 AARR-F (52) S, 2007  
 NIH ad hoc member, NST, 2007

**INVITED PROFESSIONAL COMMITTEE MEMBERSHIPS**

2001 - 2002 Consultant – Bayer Pharmaceuticals  
 2002 - current Consultant – Brain Resource Company  
 2004 - current Neuropsychology Advisory Group, Congress of the International Society for Vascular and Cognitive Behavioral Disorders  
 2005 - current American Psychological Association, Division 40, Scientific Advisory Committee Task Force  
 2005 - current Key Opinion Leadership, Dementia Trials, GlaxcoSmithKline  
 2005 - current American Academy of Clinical Neuropsychology

## **PROFESSIONAL LICENSES AND BOARD CERTIFICATION**

Rhode Island Clinical Psychology License: PS00732 (2001-2006)

Missouri Clinical Psychology License: (2006-)

American Board of Professional Psychology – American Board of Clinical Neuropsychology

## **ACADEMIC APPOINTMENTS**

2001 - 2006           Assistant Professor, Department of Psychiatry and Human Behavior,  
Brown Medical School

2005 - 2006           Adjunct Faculty, Department of Psychology, Bryant University

2006 - current       Assistant Professor, Department of Psychology, Behavioral Neuroscience,  
University of Missouri, St. Louis

## **HOSPITAL APPOINTMENTS**

2001 - 2005           Staff Psychologist, The Miriam Hospital

2006 - 2006           Staff Psychologist, Butler Hospital

## **UNIVERSITY COMMITTEES**

2001 - 2006           Mentorship Committee, Brown Medical School

2003 - 2005           Clinical Internship Selection Committee, Neuropsychology track, Brown  
Medical School

2003 - 2005           Selection Committee, Brown T32 Dementia Training Program

2005 - 2006           Magnetic Resonance Foundation Training Committee, Brown Medical  
School

2006                   Institutional Review Board, Butler Hospital

2006 - current       Institutional Review Board, University of Missouri, St. Louis

2006 - current       Internal Research Review Board, Department of Psychology, University  
of Missouri, St. Louis

2006 - current       Technology Liaison, University of Missouri, St. Louis, Department of  
Psychology

2006                   Faculty Search Committee, Department of Psychology, University of  
Missouri, St. Louis

## **MEMBERSHIP IN SOCIETIES**

International Neuropsychological Society

American Psychological Association

American Academy of Clinical Neuropsychology

## **PUBLISHED MANUSCRIPTS (N = 122)**

- 1) Beatty, W.W., Paul, R.H., Wilbanks, S.L., Hames, K.A., Blanco, C.R., Goodkin, D.E. (1995). Identifying multiple sclerosis patients with mild or global cognitive impairment using the Screening Examination for Cognitive Impairment. *Neurology*, 45, 718-723.
- 2) Beatty, W.W., Hames, K.A., Blanco, C.R., Paul, R.H., Wilbanks, S.L. (1995). A verbal

abstraction deficit in multiple sclerosis. Neuropsychology, 9, 198-205.

3) Beatty, W.W., Paul, R.H., Blanco, C.R., Hames, K.A., Wilbanks, S.L. (1995). Attention in multiple sclerosis: Correlates of impairment on the WAIS-R Digit Span Test. Applied Neuropsychology, 2, 139-144.

4) Beatty, W.W., Krull, K.R., Wilbanks, S.L., Blanco, C.R., Hames, K.A., Paul, R.H. (1996). Further validation of constructs from the Selective Reminding Test. Journal of Clinical and Experimental Neuropsychology, 18, 52-55.

5) Beatty, W.W., Wilbanks, S.L., Blanco, C.R., Hames, K.A., Tivis, R., Paul, R.H. (1996). Memory Disturbances in multiple sclerosis: Reconsideration of patterns of performance on the Selective Reminding Test. Journal of Clinical and Experimental Neuropsychology, 18, 56-62.

6) Beatty, W.W., Blanco, C.R., Wilbanks, S.L., Paul, R.H., Hames, K.A. (1996). Demographic, clinical and cognitive characteristics of multiple sclerosis patients who continue to work. Journal of Neurologic Rehabilitation, 9, 167-173.

7) Paul, R.H., Blanco, C.R., Hames, K.A., Beatty, W.W. (1997). Autobiographical memory in multiple sclerosis. Journal of the International Neuropsychological Society, 3, 246-251.

8) Jean, V., Beatty, W., Paul, R., Mullins, L. (1997). Coping with general and disease-related stressors by patients multiple sclerosis: Relationship to psychological distress. Multiple Sclerosis, 3, 191-196.

9) Troster, A., Fields, J., Testa, J., Paul, R., Blanco, C., Hames, K., Salmon, D., Beatty, W. (1998). Cortical and subcortical influences on clustering and switching in the performance of verbal fluency tasks. Neuropsychologia, 36 (4), 295-304.

10) Paul, R., Beatty, W.W., Schneider, R., Blanco, C.R., Hames, K. (1998). Cognitive and physical fatigue in multiple sclerosis: Relationships among self-report, objective performance and depression. Applied Neuropsychology, 5 (3), 143-148.

11) Nixon, S.J., Paul, R., Phillips, M.E. (1998). Cognitive efficiency in alcoholics and polysubstance abusers. Alcoholism: Clinical and Experimental Research, 22 (7), 1414-1420.

12) Paul, R., Beatty, W.W., Schneider, R., Blanco, C.R., Hames, K. (1998). Impairments of attention in multiple sclerosis. Multiple Sclerosis, 4, 433-439.

13) Paul, R.H. Marx, B.P., Orsillo, S.M. (1999). Acceptance-based psychotherapy in the treatment of an adjudicated exhibitionist: A case example. Behavior Therapy, 30 (1), 149-162.

14) Jean, V., Paul, R., Beatty, W. (1999). Psychological and neurological predictors of coping patterns by patients with multiple sclerosis. Journal of Clinical Psychology, 55 (1), 21-26.

15) Paul, R., Toder, S., Cohen, R. (1999). Late onset hypersensitivity to sulfasalazine

in a patient with ankylosing spondylitis. Arthritis Care and Research, 12 (6), 435-436.

16) Paul, R., Piatt, A., Whelihan, B., and Malloy, P. (2000). Neuropsychological and magnetic resonance findings in a patient with a dural plasmacytoma. Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 13(2):143-147.

17) Iverson, G., Paul, R.H., Harnish, M.J. (2000). Investigating psychiatric sequelae of systemic lupus erythematosus using single subject methodology. Lupus, 7(5):295-300.

18) Paul, R., Cohen, R., Goldstein, J., and Gilchrist, J. (2000). Fatigue and its impact on patients with myasthenia gravis. Muscle and Nerve, 23, 1402-1406.

19) Osoweicki, D., Cohen, R., Morrow, K., Paul, R., Carpenter, C. J., Flanigan, T., Boland, R. (2000). Neurocognitive and psychological contributions to quality of life in HIV-1 infected women. AIDS, 14, 1327-1332.

20) Paul, R., Cohen, R., Gilchrist, J., Aloia, M., Goldstein, J. (2000). Cognitive dysfunction in myasthenia gravis. Journal of the Neurological Sciences, 1, 179(S1-2), 59-64.

21) Paul, R., Cohen, R., Toder, J. (2000). Late onset hypersensitivity. Arthritis Care and Research, 13 (5), 335.

22) Paul, R., Cohen, R., Ott, B.R., Moser, D., Zawacki, T. (2001). Performance on the Dementia Rating Scale in vascular dementia: Relationship to neuroimaging findings. Journal of Geriatric Psychiatry and Neurology, 14, 33-36.

23) Cohen, R., Boland, R., Paul, R., Tashima, K., Schoenbaum, E.E, Celentano, D.D, Schuman, P., Smith, D.K, Carpenter, C. (2001). Neurocognitive performance enhanced by highly active antiretroviral therapy in HIV-infected women. AIDS, 15, 341-345.

24) Paul, R., Cohen, R., Ott, B.R., Zawacki, T., Moser, D., Gordon, N. (2001). Cognitive and functional capacity in two subtypes of vascular dementia. Neurorehabilitation, 15(3), 199-205.

25) Paul, R., Cohen, R., Ott, B.R., Zawacki, T., Gordon, N. (2001). Performance on the Hooper Visual Organization Test in vascular dementia: Relationship to naming. Neuropsychiatry, Neuropsychology and Behavioral Neurology, 14, 93-97.

26) Moser, D., Cohen, R., Paul, R., Gordon, N., Ott, B.R. (2001). Relationship of executive deficits to subcortical hyperintensities in vascular dementia. Neuropsychiatry, Neuropsychology and Behavioral Neurology, 14, 89-92.

27) Cohen, R., Paul, R., Lohr, I. (2001). Impairments of attention in patients with major affective disorder. Journal of Neuropsychiatry and Clinical Neurosciences 13 (3), 385-395.

28) Paul, R., Cohen, R., Gilchrist, J., Goldstein, J. (2001). Quality of life and well-being of

patients with myasthenia gravis. Muscle and Nerve, 24(4), 512-516.

29) Paul, R., Cohen, R., Gilchrist, J., Zawacki, T., Aloia, M. (2001). What have we learned about cognitive function in myasthenia gravis: A review of methods and results. Neuroscience and Biobehavioral Reviews, 25(1), 75-81.

30) Paul, R., Cohen, R., Goldstein, J., Gilchrist, J. (2001). Severity of mood, self-evaluative, and vegetative symptoms of depression in myasthenia gravis. Journal of Neuropsychiatry and Clinical Neurosciences, 12(4):499-501.

31) Mullins, L.L, Cote, M., Fueemler, B., Jean V., Beatty, W.W, and Paul, R.H. (2001). Illness intrusiveness, uncertainty, and distress in individuals with multiple sclerosis. Rehabilitation Psychology, 46, 139-153.

32) Cohen, R.A., Paul, R.H., Zawacki, T.M., Sethi, M., Ott, B.R., Moser, D.J., Stone, W., Noto, R., Gordon, N. (2001). Single photon emission computed tomography, magnetic resonance imaging hyperintensity, and cognitive impairments in patients with vascular dementia. Journal of Neuroimaging, 11(3), 253-260.

33) Paul, R., Cohen, R., Moser, D., Ott., Gordon, N. (2001). Pattern of neuropsychological function in vascular dementia. Effect of dementia severity. Applied Neuropsychology, 8(4), 211-217.

34) Cohen, R, Paul, R, , Zawacki T, Moser, D.J., Sweet L, Wilkinson H. (2001). Emotional and personality changes following cingulotomy. Emotion, 1(1), 38-50.

35) Paul, R., Cohen, R., Gilchrist, J., Nash, J. (2002). Quality of life in two samples of myasthenia gravis. Muscle and Nerve, 25(3), 467-468.

36) Paul, R., Cohen, R., Moser, D., Ott, B. (2002). The serial position effect in vascular dementia. Journal of the International Neuropsychological Society, 8 (4), 584-587.

37) Zawacki, T., Cohen, R., Paul, R., Moser, D, Grace J. (2002). Behavioral problems as predictors of functional abilities of vascular dementia patients. Journal of Neuropsychiatry and Clinical Neurosciences, 14(3), 296-302.

38) Paul, R., Cohen, R., Gilchrist, J. (2002). Ratings of subjective fatigue relate to cognitive performance in patients with myasthenia gravis. Journal of Clinical Neuroscience, 9(3), 243-246.

39) Cohen, R.A, Paul, R.H., Ott, B.R., Moser, D.J., Zawacki, T.M., Stone, W., Gordon, N. (2002). The impact of subcortical hyperintensities on cognitive function in vascular dementia. Journal of the International Neuropsychological Society, 8(6), 743-752.

40) Boyle, P.A., Cohen, R.A., Paul, R., Moser, D., Gordon, N. (2002). Cognitive and motor impairments predict functional declines in patients with vascular dementia. International Journal

of Geriatric Psychiatry,17(2), 164-169.

- 41) Paul, R., Cohen, R, Navia, B, Tashima, K. (2002). Relationships between neuropsychological function and neuroimaging in adults with human immunodeficiency virus type 1. Neuroscience and Biobehavioral Reviews, 26(3), 353-359.
- 42) Browndyke, J.N., Albert, A.L., Malone, W., Schatz, P., Paul, R.H., Cohen, R., Tucker, K.A, Gouvier, D. (2002). Computer-related anxiety: Examining the impact of technology-specific affect on the performance of a computerized neuropsychological assessment measure. Applied Neuropsychology, 9 (4), 210-218.
- 43) Paul, R.H., Cohen, R.A., Moser, D.J., Zawacki, T., Ott, B.R., Gordon, N., Stone, W. (2002). The global deterioration scale: relationships to neuropsychological performance and activities of daily living in patients with vascular dementia. Journal of Geriatric Psychiatry and Neurology, 15 (1), 50-54.
- 44) Paul, R., Cohen, R., Moser, D., Ott, B.R., Zawacki, T. (2003). Sensitivity and specificity of the Dementia Rating Scale in vascular dementia: Comparisons between two sets of criteria to define cognitive impairment. Cerebrovascular Diseases, 15(1-2), 116-120.
- 45) Boyle, P.A., Paul, R., Moser, D., Zawacki, T., Gordon, N., Cohen, R. (2003). Cognitive and neurologic predictors of functional impairment in vascular dementia. American Journal of Geriatric Psychiatry,11(1), 103-106.
- 46) Paul, R., Cohen, R., Stern, R. (2003). Neuropsychiatric and neurobehavioral functioning in human immunodeficiency virus. CNS Spectrums, 7(12), 860-866.
- 47) Tate, D., Paul, R., Cohen, R., Tashima, K., Nash, J., Flanigan, T. (2003). The impact of apathy on quality of life in patients with human immunodeficiency virus. Journal of AIDS Patient Care, 17(3), 115-120.
- 48) Cohen, R., Paul, R., Zawacki, T. (2003). Impulsivity and verbal deficits associated with domestic violence. Journal of the International Neuropsychological Society, 9(5), 760-770.
- 49) Cohen, R., Paul, R, Browndyke, J.N., Moser, D., Ott, B.R., Gordon, N. (2003). Long-term citicoline treatment of vascular dementia. Cerebrovascular Diseases, 16(3), 199-204.
- 50) Paul, R.H., Cohen, R.A., Moser, D.J., Ott, B.R., Sethi, M., Sweet, L., Browndyke, J., Malloy P., Garrett, K. (2003). Clinical correlates of cognitive decline in vascular dementia. Cognitive and Behavioral Neurology, 16(1), 40-46.
- 51) Paul, R., Garret, K., Cohen, R. (2003). Vascular dementia: A conundrum for the clinical neuropsychologist. Applied Neuropsychology, 10(3), 129-136.
- 52) Paul, R, Cohen, R, Moser, D.J. (2003). Neuropsychological profiles of mild and severe vascular dementia. Severe Dementia, 8, 52-56.

- 53) Sweet, L.H., Paul, R.H., Cohen, R.A., Moser, D., Ott, B.R., Gordon, N., Browndyke, J.N., Shah, P., Garrett, K.D. (2003). Neuroimaging correlates of dementia rating scale performance at baseline and 12-month follow-up among patients with vascular dementia. Journal of Geriatric Psychiatry and Neurology, 16(4), 240-244.
- 54) Garrett, K.D., Browndyke, J.N., Whelihan, W., Paul, R.H., DiCarlo, M., Moser, D.J., Cohen, R.A., Ott, B.R. (2004). The neuropsychological profile of vascular cognitive impairment-no dementia: comparisons to patients at risk for cerebrovascular disease and vascular dementia. Archives of Clinical Neuropsychology, 19(6), 745-757.
- 55) Clark, C.R., Veltmeyer, M.D., Hamilton, R.J., Simms, E., Paul, R., Hermens, D., Gordon, E. (2004). Spontaneous alpha peak frequency predicts working memory performance across the age span. International Journal of Psychophysiology, 53(1), 1-9.
- 56) Boyle, P., Paul, R., Moser, D.J., Cohen, R. (2004). Executive impairments predict declines in vascular dementia. The Clinical Neuropsychologist, 18, 75-82.
- 57) Davis Garrett, K., Cohen, R.A., Paul, R.H., Moser, D.J., Malloy, P.F., Shah, P., Haque, O. (2004). Computer-mediated measurement and subjective ratings of white matter hyperintensities in vascular dementia: relationships to neuropsychological performance. The Clinical Neuropsychologist, 18(1), 50-62.
- 58) Garrett, K.D., Paul, R.H., Libon, D.J., Cohen, R. (2004). Defining the diagnosis of vascular dementia: Applied Neuropsychology, 11(4), 202-207.
- 59) Shah, P., Paul, R., Gold, R., Tashima, K., Flanigan, T. (2004). Treating HIV encephalopathy with antiretroviral therapy: a clinical case demonstrating the success of HAART. Clinical Infectious Disease, 39(10), 1545-1547.
- 60) Whelihan, W., DiCarlo, M., Paul, R. (2005). Executive function impairment and driving skill in older adults. Archives of Clinical Neuropsychology, 20(2), 217-228.
- 61) Paul, R.H., Haque, O., Gunstad, J., Tate, D.F., Grieve, S.M., Hoth, K., Brickman, A.M., Cohen, R., Lange, K., Jefferson, A.L., MacGregor, K.L., Gordon, E. (2005). Subcortical hyperintensities impact cognitive function among a select subset of healthy elderly. Archives of Clinical Neuropsychology, 20(6), 697-704.
- 62) Paul, R., Flanigan, T.P., Tashima, K., Cohen, R., Lawrence, J., Alt, E., Tate, D., Ritchie, C., Hinkin, C. (2005). Apathy correlates with cognitive function but not CD4 status in patients with human immunodeficiency virus. Neuropsychiatry and Clinical Neurosciences, 17, 114-118.
- 63) Gunstad, J., Brickman, A., Paul, R., Browndyke, J., Moser, D., Ott, B., Gordon, N., & Cohen, R. (2005). Progressive morphometric and cognitive changes in vascular dementia. Archives of Clinical Neuropsychology, 20, 229-241.

- 64) Paul, R.H., Brickman, A.M., Navia, B., Hinkin, C., Malloy, P.F., Jefferson, A.L., Cohen, R.A., Tate, D.F., Flanigan, T.P. (2005). Apathy is associated with volume of the nucleus accumbens in patients infected with HIV. Neuropsychiatry and Clinical Neurosciences, 17(2), 167-171.
- 65) Paul, R.H., Clark, C.R., Lawrence, J., Goldberg, E., Williams, L.M., Cooper, N., Cohen, R.A., Brickman, A.M., Gordon, E. (2005). Age-dependent change in executive function and gamma 40 Hz phase synchrony. Journal of Integrative Neuroscience, 4(1), 63-76.
- 66) McFarlane, A., Clark, C.R., Bryant, R.A., Williams, L.M., Niaura, R., Paul, R.H., Hitsman, B.L., Stroud, L., Alexander, D.M., Gordon, E. (2005). The impact of early life stress on psychophysiological, personality and behavioral measures in 740 non-clinical subjects. Journal of Integrative Neuroscience, 4(1), 27-40.
- 67) Kemp, A.H., Stephan, B.C., Hopkinson, P., Sumich, A.L., Paul, R.H., Clark, C.R., Gordon, E., Bryant, R.A., Williams, L.M. (2005). Toward an integrated profile of depression: evidence from the brain resource international database. Journal of Integrative Neuroscience, 4(1), 95-106.
- 68) Brickman, A.M., Paul, R.H., Cohen, R.A., Williams, L.M., MacGregor, K.L., Jefferson, A.L., Tate, D.F., Gunstad, J., Gordon, E. (2005). Category and letter verbal fluency across the adult lifespan: relationship to EEG theta power. Archives of Clinical Neuropsychology, 20(5), 561-573.
- 69) Gunstad, J., MacGregor, K., Paul, R., Poppas, A., Jefferson, A., Todaro, J., & Cohen, R. (2005). Cardiac rehabilitation improves cognitive performance in older adults with cardiovascular Disease. Journal of Cardiopulmonary Rehabilitation, 25, 173-176.
- 70) Paul, R., Lawrence, J., Williams L.M, Clark, R, Cooper N, Gordon E. (2005). Preliminary validity of 'IntegNeuro<sup>TM</sup>': A new computerized battery of neurocognitive tests. International Journal of Neuroscience, 115(11):1549-1567.
- 71) Williams, L.M., Paul, R., Clark R., Cooper, N., Gordon, E. (2005). Reliability of neurophysiological and neuropsychological data obtained in the International Brain Database. International Journal of Neuroscience, 115(12):1605-1630.
- 72) Paul, R., Gunstad, J., Hoth, K., Brickman, A.M., Foreman, D., Tate, D., Poppas, A., Cohen, R. (2005). Neuroimaging and cardiac correlates of cognitive function among patients with cardiac disease. Cerebrovascular Diseases, 20(2):129-133.
- 73) Gunstad, J., Cohen, R., Tate, D., Paul, R., Poppas, A., Hoth, K., MacGregor, K., & Jefferson, A. (2005). Blood pressure variability and white matter hyperintensities in older adults with cardiovascular disease. Blood Pressure, 14(6):353-358.
- 74) Jefferson, A.L, Bakarat L.P, Giovannetti T, Paul R, Glosser G. (2006). Objective

perception impairments predict instrumental activities of daily living (IADLs) dependence in Alzheimer's disease. Journal of Clinical and Experimental Neuropsychology, 28(6):884-897.

75) Paul, R., Brickman A.M., Williams L.M., Niaura R, Pogun S, Clark R, Gunstad, J., Gordon (2006). Cognitive status of young and older cigarette smokers: Data from the International Brain Database. Journal of Clinical Neuroscience, 13(4):457-465.

76) Gunstad, J., Paul, R., Brickman, A., Cohen, R., Arns, M., Roe, D., Lawrence, J., & Gordon, E. (2006). Patterns of cognitive performance in middle-aged and older adults: A cluster analytic examination. Journal of Geriatric Psychiatry and Neurology, 19, 59-64.

77) Gunstad, J., Bausserman, L., Paul, R., Tate, D., Hoth, K., Poppas, A., Jefferson, A., & Cohen, R. (2006). C-reactive protein, but not homocysteine, is related to cognitive dysfunction in older adults with cardiovascular disease. Journal of Clinical Neuroscience, 13(5):540-546.

78) Jefferson, A.J., Paul, R., Ozonoff, A., Cohen, R. (2006). Evaluating elements of executive functioning as predictors of instrumental activities of daily living. Archives of Clinical Neuropsychology, 21; 311-320.

79) Gunstad, J., Paul, R., Cohen, R., Tate, D., & Gordon, E. (2006). Obesity is associated with memory deficits in young and middle-aged adults. Journal of Eating and Weight Disorders/ Studies on Anorexia, Bulimia, and Obesity, 11(1):e15-19.

80) Valcour, V., Paul, R. (2006). HIV and dementia in older adults. Clinical Infectious Diseases, 42(10):1449-1454.

81) Gunstad, J., Paul, R., Spitznagel, M., Cohen, R., Williams, L., Kohn, M., & Gordon, E. (2006). Exposure to early life trauma is associated with overweight and obesity in adulthood. Psychiatry Research, 142(1):31-37.

82) Cohen, R.A., Paul, R.H., Stroud, L., McCaffrey, J., Sweet, L., Hitsman, B., Gunstad, J., Niaura, R., MacFarlane, A., Bryant, R., Gordon, E. (2006). Early life stress is associated with morphometric changes in the anterior cingulate cortex. Biological Psychiatry, 59(10):975-982.

83) Yepthomi, T., Paul, R., Vallabheni, S., Kumarasamy, N., Tate, D., Solomon, S., Flanigan, T. (2006). Neurocognitive consequences of HIV in southern India: A Preliminary study of clade c virus. Journal of the International Neuropsychological Society, 12(3):424-430.

84) Cohen, R., Paul, R., Stroud, L., Gunstad, J., Hitsman, B., McCaffery, J., Sweet, L., Niaura, R., MacFarlane, A., Bryant, R., Gordon, L. (2006). Early life stress and adult emotional experience: An international perspective. The International Journal of Psychiatry in Medicine, 36(1):35-52.

85) Jefferson, A. L., Cahn-Weiner, D., Boyle, P., Paul, R., Moser, D. J., Gordon, N., Cohen, R. (2006). Cognitive predictors of functional decline in vascular dementia. International Journal of Geriatric Psychiatry, 21(8):752-754.

- 86) Brickman, A.M., Zimmerman, M.E., Paul, R.H., Grieve, S.M., Tate, D.F., Cohen, R.A., Williams, L.M., Clark, C.R., & Gordon, E. (2006). Regional white matter and neuropsychological functioning across the adult lifespan. Biological Psychiatry, 1; 60(5):444-453.
- 87) Alexander, D.M, Arns, M.W., Paul, R.H., Rowe, D.L., Cooper, N., Esser, A.H., Fallahpour, K., Blossom, S., Heesen, E., Breteler, R., Williams, L.M., Gordon, E. (2006). EEG markers of cognitive decline in elderly with subjective memory complaints. Journal of Integrative Neuroscience Vol. 5, No. 1:49-74.
- 88) Gunstad, J., Poppas, A., Smeal, S., Paul, R., Tate, D., Jefferson, A., Forman, D., & Cohen, R. (2006). Relation of brain natriuretic peptide levels to cognitive dysfunction in adults > 55 years of age with cardiovascular disease. American Journal of Cardiology, 98(4):538-540.
- 89) Gunstad, J., Schofield, P., Paul, R., Spitznagel, M., Cohen, R., Williams, L., Kohn, M., & Gordon, E. (2006). BDNF Val66Met polymorphism is associated with body mass index in healthy adults. Neuropsychobiology 53, 153-156.
- 90) Gunstad, J., Cohen, R., Paul, R., Luyster, F., & Gordon, E. (2006). Age effects in time estimation: Relationship to frontal brain morphometry. Journal of Integrative Neuroscience, 5, 75-87.
- 91) Clark, C.R., Paul, R.H., Williams, L.M., Arns, M. A., Fallapour, K., Handmer, C., Gordon, E. (2006). Standardized assessment of cognitive functioning during development and aging using an automated touchscreen battery. Archives of Clinical Neuropsychology, 21(5):449-467.
- 92) Gunstad, J., Cohen, R., Paul, R., & Gordon, E. (2006). Dissociation of the component processes of attention in healthy adults. Archives of Clinical Neuropsychology, 21(7):645-650.
- 93) Valcour, V.G., Sacktor, N.C., Paul, R.H., Watters, W.M., Selnes, O.A., Shiramizu, B.T., Williams, A.E., Shikuma, C.M. (2006). Insulin Resistance is associated with Cognition among HIV-1 –infected Patients *The Hawaii Aging with HIV Cohort*. Journal of AIDS, 43(4):405-410.
- 94) Valcour, V., Yee, P., Williams, A. E., Shiramizu, S., Watters, M., Selnes, O., Paul, R., Shikuma, C., Sacktor, N. (2006). Lowest ever CD4 lymphocyte count (CD4 Nadir) as a predictor of current cognitive and neurological status in HIV-1 infection *The Hawaii Aging with HIV Cohort*. Journal of Neurovirology, 12(5):387-391.
- 95) Hoth, K., Paul, R., Schofield, P., Cohen, R., Williams, L., Gordon, E. (2006). Associations between the COMT Val/Met polymorphism, early life stress and personality among healthy adults. Neuropsychiatric Diseases and Treatment 2(2): 219-225.
- 96) Gunstad, J., Cohen, R.A., Paul, R.H., Tate, D.F., Hoth, K.A., Poppas, A. (2006). Understanding reported cognitive dysfunction in older adults with cardiovascular disease.

Neuropsychiatric Diseases and Treatment, 2(2): 213-218.

97) Gunstad, J., Paul, R.H., Cohen, R.A., Tate, D.F., Spitznagel, M.B., Gordon, E. (2007). Elevated body mass index is associated with executive dysfunction in otherwise healthy adults. Comprehensive Psychiatry, 48(1):57-61.

98) Hoth, K.F., Tate, D. F., Poppas, A., Forman, D. E., Gunstad J., Moser, D. J., Paul, R. H., Jefferson, A. L., Haley, A. P., Cohen, R. A. (2007). Endothelial function and white matter hyperintensities in older adults with cardiovascular disease. Stroke, 38(2):308-312.

99) Grieve, S., Williams, L., Paul, R., Clark, C.R., Gordon, E. (2007). Cognitive aging, executive function and fractional anisotropy in the frontal lobe: A diffusion tensor MRI study. American Journal of Radiology, 28(2):226-235.

100) Jefferson, A. L., Poppas, A., Paul, R. H., Cohen, R. A. (2007). Systemic hypoperfusion is associated with executive dysfunction in geriatric cardiac patients. Neurobiology of Aging, 28(3):477-483.

101) Zimmerman, M.E., Brickman, A.M., Paul, R.H., Grieve, S.M., Tate, D.F., Gunstad, J., Cohen, R.A., Aloia, M.S., Williams, L.M., Clark, C.R., Whitford, T.J., Gordon, E. (2007). The relationship between frontal gray matter volume and cognition varies across the healthy adult lifespan. American Journal of Geriatric Psychiatry, 14 (10), 823-833.

102) Valcour, V.G., Sithinamsuwan, P., Nidhinandana. S., Thitivichianlert, S., Ratto-Kim, S. Apateerapong, W., Shiramizu, B. T., deSouza, M. S. Chitpatima, S. T., Watt, G., Chuenchitra, T., Robertson, K. R., Paul, R. H., McArthur, J. C., Kim, J. H., Shikuma, C. M. for the Southeast Asia Research Collaboration with the University of Hawaii (SEARCH) 001 protocol team. (2007). Neuropsychological Abnormalities in Patients with Dementia in CRF01\_AE HIV-1 infection. Neurology, 68(7):525-527.

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104) Paul, R.H., Gunstad, J., Cooper, N., Williams, L.M., Clark, C.R., Cohen, R.A., Lawrence, J.J., Gordon, E. (2007). Cross cultural assessment of neuropsychological performance and electrical brain function measures: additional validation of an international brain database. International Journal of Neuroscience. 117(4):549-568.

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106) Haley, A.P., Forman, D.E., Poppas, A., Hoth, K.F., Gunstad, J., Jefferson, A.L., Paul, R.H., Ler, A.S.H., Sweet, L.H., Cohen, R.A. (2007) Carotid artery intima-media thickness and cognition in cardiovascular disease. International Journal of Cardiology.

- 107) Keary, T., Gunstad, J., Poppas, A., Paul, R., Jefferson, A., Hoth, K., Sweet, L., Forman, D., & Cohen, R. (2007). Blood pressure variability predicts Dementia Rating Scale performance in older adults with cardiovascular disease. Cognitive and Behavioral Neurology, 20 (1), 73-77.
- 108) Shiramizu, B., Paul, R., Williams, A., Shikuma, C., Watters, M., Grove, J., Valcour, V. (2007). HIV-1 proviral DNA is associated with decreased neuropsychological function. Journal of Neuropsychiatry and Clinical Neurosciences, 19(2), 157-163.
- 109) Silverstein, S.M., Berten, S., Paul, R., Cooper, N., Williams, L. & Gordon, E. (In press). Development and Validation of a World Wide Web-Based Neurocognitive Assessment Battery: WebNeuro™ Behavior Research Methods.
- 110) Jefferson AL, Tate DF, Poppas A, Brickman, AM, Paul RH, Gunstad J, Cohen RA. (2007). Lower cardiac output is associated with greater white matter hyperintensities among older adults with cardiovascular disease. Journal of the American Geriatrics Society, 55, 1044-1048.
- 111) Paul, R.H., Yiannoutsos C. Y., Miller, E. N., Chang, L., Marra, C. M., Schifitto, G., Ernst, T., Singer, E., Richards, T., Jarvik J., Price, R., Myerhoff, D. J., Kolson, D., Ellis, R.J., Gonzalez, G., Lenkinski, R., E., Cohen, R. A., Navia, B. A, for the ACTG 301 and 700 teams and the HIV MRS Consortium. (In press). Proton MRS and neuropsychological correlates in AIDS dementia complex: evidence of subcortical specificity. The Journal of Neuropsychiatry and Clinical Neurosciences.
- 112) Paul, R. H., Laidlaw, D.F., Tate, D., Lee, S., Hoth, K., Gunstad, J., Zhang, S., Flanigan, T., Gordon, E. (2007). Neuropsychological and neuroimaging outcome of HIV-associated progressive multifocal leukoencephalopathy in the era of antiretroviral therapy. Journal of Integrated Neuroscience 6 (1):191-203
- 113) Haley, A. P., Poppas, A., Forman, D.E., Paul, R. H., Sweet, L., Cohen, R. A. (2007). Atherosclerosis and verbal working memory in patients with cardiovascular disease: an fMRI study. Journal of Neuroimaging, 17:227-233
- 114) Gunstad, J., Paul, R., Cohen, R., Spitznagel, M., Tate, D., Grieve, S., & Gordon, E. (In press). Relationship between body mass index and brain volume in healthy adults. International Journal of Neuroscience.
- 115) McLaughlin, C.R., Paul, R.H., Grieve, S.M., Williams, L.M., Laidlaw, D., DiCarlo, M., Clark, C.R., Whelihan, W., Cohen, R.A., Whitford, T. J., Gordon, E. (2007). Diffusion Tensor Imaging of the Corpus Callosum: A Cross-Sectional study across the lifespan. International Journal of Developmental Neuroscience. 25(4):215-21
- 116) Liddell, B.J., Paul, R. H., Arns, M., Gordon, N., Kukla, M., Rowe, D., Cooper, N., Moyle, J., Williams, L.M. (2007). Rates of decline distinguish Alzheimer's disease and mild cognitive impairment relative to normal aging. Integrating cognition and brain function. Journal

of Integrative Neuroscience, 6 (1), 141-174

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118) Gordon, E., Liddell, B. J., Brown, K. J., Bryant, R., Clark, C. R., Das, P., Dobson-Stone, C., Falconer, E., Felmingham, K., Flynn, G., Gatt, J. M., Harris, A., Hermens, D. F., Hopkinson, P. J., Kemp, A. H., Kuan, S. A., Lazzaro, I., Moyle, J., Paul, R. H., Rennie, C. J., Schofield, P., Whitford, T., Williams, L. M. (2007). Integrating objective gene-brain behavior markers of psychiatric disorders. Journal of Integrative Neuroscience, 6(1), 1-34.

119) Paul, R.H., Grieve, S. M., Chaudary, B., Gordon, N., Lawrence, J., Cooper, N., Clark, C.R., Kukla, M., Gordon, E. (In press). Relative contributions of cerebellar vermal and frontal lobe volumes on cognitive function across the adult lifespan. Neurobiology of Aging

120) Gunstad, J., Spitznagel, M., Paul, R., Cohen, R., Kohn, M., Clark, R., Williams, L., & Gordon, E. (In press). Body mass index and cognitive function in healthy children and adolescents. Appetite

121) Paul, R., Henry, L., Grieve, S.M., Guilmette, T.J., Niaura, R., Bryant, R., Bruce, S., Williams, L.M., Clark, C.R., Cohen, R.A., Gordon, E. (Accepted pending revision). The relationship between early life stress and microstructural integrity of the corpus callosum in a non-clinical population: A DTI study. Neuropsychiatric Disease and Treatment

122) Paul, R.H., Letendre, S., Dearborn J. Cognitive function in patients co-infected with hepatitis C and human immunodeficiency virus. Current Hepatitis Reports.

### **Books**

1) Paul, R., Cohen, R., Ott, B.R., Salloway, S. Vascular Dementia: Cerebrovascular mechanisms and clinical management. Humana Press. 2004.

\*Book reviewed in the New England Journal of Medicine (Lippa C, 2005, pg. 2561), Archives of Neurology (Jagust W, 2005), Alzheimer's Disease and Associated Disorders (van der Flier W, 2005, pg. 118), Medicine and Health, Rhode Island Medical Journal (Wilterdink J, 2005) and Journal of the International Neuropsychological Association (Reed B, 2005, pgs 500-501).

### **Book Chapters**

1) Paul, R.H., Graber, J.R., Bowlby, D.C., Testa, J.A., Harnish, M.J., Beatty, W.W. (1998). Remote memory in neurodegenerative disease. In A.I. Troster (Ed.), Memory in Neurodegenerative Disease: Biological, Cognitive, and Clinical Perspectives. New York: Cambridge University Press.

- 2) Graber, J.R., Paul, R.H., Testa, J.A., Bowlby, D.C., Harnish, M.J., Beatty, W.W. (1998). Preserved cognitive skills. In A.I. Troster (Ed.), Memory in Neurodegenerative Disease: Biological, Cognitive, and Clinical Perspectives. New York: Cambridge University Press.
- 3) Beatty, W.W., Paul, R.H. (2000). Neuropsychiatric aspects of multiple sclerosis and other demyelinating disorders. In H.I. Kaplan and B. J. Sadock (Eds.), Comprehensive Textbook of Psychiatry; seventh edition. New York: Williams and Wilkins.
- 4) Paul, R.H., Gilchrist, J. (2001). Psychological and social aspects of myasthenia gravis. In H. Kaminsky (Ed). Myasthenia gravis and related disorders. New York: Humana Press.
- 5) Jefferson, A., Aloia, M., Brickman A.M., Paul R. (2004). Pattern of cognitive impairment in Vascular dementia. In Paul R, Cohen R, Ott BR, Salloway S (Eds). Vascular Dementia: Cerebrovascular mechanisms and clinical management. Humana Press.
- 6) Lange, K., Paul, R. (2004). Vascular dementia and the aging population. In Paul R, Cohen, R, Ott BR, Salloway S (Eds). Vascular Dementia: Cerebrovascular mechanisms and clinical management. Humana Press.
- 7) Cohen, R., Malloy, P., Paul, R. Disorders of Attention. (2007). In P. Snyder, P.D. Nussbaum, D. Robbins (Eds.) Clinical neuropsychology: A pocket handbook for assessment, second edition. American Psychological Association.
- 8) Malloy, P.F., Cohen, R.A., Jenkins, M.A., Paul, R.H. (2007). Frontal lobe function and dysfunction In P. Snyder, P.D. Nussbaum, D. Robbins (Eds.) Clinical neuropsychology: A pocket handbook for assessment, second edition. American Psychological Association.
- 9) Paul, R. H., Mullins, L., Gilchrist, J. (In press). The impact of myasthenia gravis on mood, cognitive function, and quality of life. In H. Kaminsky (Ed), Myasthenia Gravis and related disorders, second edition. New York: Humana Press
- 10) Paul, R. H., Fortunbury, S., Boyle, P. (In press). Everyday living in vascular dementia. In Marcotte T and Grant, I. (Eds). Neuropsychology of activities of daily living.

### **SELECTED PUBLISHED ABSTRACTS/POSTERS**

- 1) Paul, R., Beatty, W., Testa, J., Blanco, C., Hames, K., Gauvin, D. History of alcohol abuse and neuropsychological test performance by demented patients. Poster presented at the Society for Neuroscience annual conference, New Orleans, 1997.
- 2) Paul, R., Beatty, W., Schneider, R., Blanco, C., Hames, K. Cognitive and physical fatigue in multiple sclerosis: Relationships among self-report, objective performance and depression. Poster presented at the International Neuropsychological Society annual conference, Budapest, Hungary, 1998.
- 3) Paul, R., Nixon, S.J., Phillips, M. Executive functioning in substance abusers diagnosed with antisocial personality disorder. Poster presented at the International Neuropsychological

Society annual conference, Boston, MA, 1999.

- 4) Paul, R., Cohen, R., Gilchrist, J. Clinical significance of cognitive complaints in myasthenia gravis. Poster presented at the International Neuropsychological Society annual conference, Chicago, Illinois, 2001.
- 5) Zawacki, T., Sweet, L., Paul, R., Moser, D., Cohen, R. SPECT correlates of apathy in vascular dementia. Poster presented at the International Neuropsychological Society annual conference, Toronto, Canada, 2002.
- 6) Paul, R., Cohen, R., Jefferson, A.L., Date, D., Gunstad, J. Neuroimaging correlates of cognitive decline in vascular cognitive impairment no dementia. Presented at the VAS-COG conference, Sweden, 2003.
- 7) Paul, R., Cohen, R., Grieve, S., Brickman, A., Jefferson, A., MacGregor, K. Subcortical hyperintensities are associated with cognitive function in a subset of individuals. Presented at the International Neuropsychological Society annual conference, St. Louis, Missouri, 2005.
- 8) Paul, R., Tashima, K., Tate, D., Coop, K., Valcour, V., Flanigan, T., Carpenter, C. CD4 count and risk of HIV-related cognitive dysfunction in the era of ART. Presented at the Conference on Retroviral and Opportunistic Infections, Denver, Colorado, 2006.
- 9) Paul, Lawrence, J., Tate, D.F., Flanigan, T., Taylor, L., Tashima., K. Cognitive impairment in HIV-HCV comorbidity is unrelated to severity of illicit substance abuse. Presented at the Conference on Retroviral and Opportunistic Infections, Denver, Colorado, 2006.
- 10) Paul, R., Guilmette, T., Niaura, R., Bryant, R., Williams, L., Clark, C.R., Cohen, R., Bruce, S.E., Gordon, E. The relationship between early life stress and microstructural integrity of the corpus callosum in a non-clinical population. Poster to be presented at the annual convention of the International Society for Traumatic and Stress Studies, Los Angeles, CA, 2006.

#### **INVITED PRESENTATIONS/SYMPOSIUMS**

- 1) Paul, R.H., Green, K. The effects of bilateral cerebral activity on lateral eye movements. Paper presented at the Western Psychological Association annual conference, Phoenix, Arizona, 1993.
- 2) Paul, R.H., Blanco, C.R., Hames, K.A., Beatty, W.W. Autobiographical memory in multiple sclerosis. Paper presented at the International Neuropsychological Society annual conference, Chicago, Illinois, 1996.
- 3) Jean, V., Paul, R., Beatty, W. Psychological and neuropsychological predictors of coping patterns by patients with multiple sclerosis. Paper presented at the International Neuropsychological Society annual conference, Orlando, Florida, 1997.
- 4) Paul, R. Cognitive dysfunction in myasthenia gravis. Seeking data over dogma.

Presented at the Behavioral Neuroscience Seminar, Harvard Medical School, 2002.

- 5) Paul, R. Vascular dementia: Clinical symptoms and course of decline. Boston University Alzheimer's Disease Research Center, October 2002.
- 6) Paul, R. Five myths regarding vascular dementia. University of Connecticut School of Medicine Center on Aging, February 2003.
- 7) Paul, R, et al. Apathy correlates with nucleus accumbens volume in HIV. Paper presented at the International Neuropsychological Society annual meeting. February, 2004, Baltimore, Maryland.
- 8) Paul, R. Neuroimaging correlates of cognitive decline in the era of antiretroviral therapy. Invited symposium at the AIDS in India Conference, August 1-8, 2004. Bangalore, India.
- 9) Paul, R. Neurobiological markers of age-related cognitive decline. Brown Alzheimer's Center Conference, November, 2004.
- 10) Paul, R., Gunstad, J., Gordon, N. Memory functioning throughout the lifespan. Rhode Island Psychological Association, January 2005. Continuing education course (8 hours), Providence, Rhode Island.
- 11) Paul, R. Cross cultural studies of memory and cognitive function in HIV: An update on our collaborative work in Chennai, India. March 2005, Center for AIDS Research (simulcast to Tufts Medical Center).
- 12) Paul, R. I'll believe it when I perceive it. Subconscious processing in the mind's eye. Key Note speaker: Psi Chi induction ceremony, Providence College, Rhode Island, April 2005.
- 13) Paul, R., Moser, D.J., Malloy, P., Cohen, R. Defining the natural history of vascular cognitive impairment. Position paper presented at the VasCog Conference, Florence, Italy June 2005.
- 14) Paul, R., Tate D, Vallabheni S, Kumarasamy N, Yephthomi, T, Solomon, S, Flanigan, T. Neurocognitive consequences of clade C HIV. Paper presented at the CNS effects of HIV in Resource Limited Countries, conference, Frascati, Italy, June 2005.
- 15) Paul, R. Neuropsychology Case Conference. Cognitive impairments associated with recombinant clade A/E in Thailand. Bangkok, Thailand, December 2005.
- 16) Paul, R. Host and viral factors that mediate cognitive dysfunction in HIV. California State University, Long Beach, April 2006.
- 17) Paul, R. Age-related cognitive decline: A focus on the white matter. Invited speaker, Boston University School of Medicine, Alzheimer's Center colloquium, May 2006.

- 18) Paul, R. International assessment of cognitive function in pediatric HIV. Invited speaker. Forum for HIV Research in Southeast Asia, November 6, 2006.
- 19) Paul, R. Host and viral factors associated with cognitive impairment in HIV: a focus on age and clade. Invited speaker. Dartmouth Medical School, AIDS Seminar, January 8, 2007.
- 20) Paul, R (Chair). Transdisciplinary research in the field of neuropsychology. Symposium accepted for the American Psychological Association annual conference to be held in August, 2007, San Francisco.

## **Grant Support**

### **Funded Grants**

- |           |  |
|-----------|--|
| 1999-2001 | PI: Robert Paul<br>5F32NS010909<br>National Institute of Neurological Disorders and Stroke<br>Cognition, fatigue and mood in myasthenia gravis.<br>Total budget = \$75,000 |
| 2000-2001 | PI: Robert Paul<br>Executive Committee on Research – Brown Medical School<br>Decision-making and autonomic function in elderly adults.<br>Total budget = \$5,000           |
| 2000-2005 | PI: Ronald Cohen<br>RO1AG17975<br>National Institute of Aging<br>Heart disease, CNS dysfunction, and cognitive outcome in the elderly.<br>Total budget = \$1,250,000       |
| 2000-2001 | PI: Robert Paul<br>New Investigator Developmental Grant- Lifespan, Inc.<br>Caudate volume and cognition in HIV patients taking HAART.<br>Total budget = \$30,000           |
| 2001-2002 | PI: Robert Paul<br>RO3DA15045<br>National Institute of Drug Abuse<br>Cognition in HIV-positive substance abusers.<br>Total budget = \$70,000                               |
| 2001-2002 | PI: Ronald Cohen<br>National Institute of Allergy and Infectious Disease - CFAR supplement<br>Motivating older adults to adhere to HAART.<br>Total budget= \$75,000        |

2002-2007 PI: Robert Paul  
K23MH65857  
National Institute of Mental Health  
Improving adherence to HAART in HIV.  
Total budget = \$725,000

2003-2005 PI: Timothy Flanigan  
5R21MH071212  
National Institute of Mental Health  
Neurocognitive consequence of HIV in south India.  
Total budget = \$200,000

2003-2005 PI: Robert Paul  
National Institutes of Allergy and Infectious Disease - CFAR supplement  
Functional neuroimaging of brain dysfunction HIV  
Total budget = \$30,000

2004-2005 PI: Karen Tashima  
National Institutes of Allergy and Infectious Disease - CFAR supplement  
Neuroimaging of HIV and HCV co-infection  
Robert Paul: co-investigator at 5% effort in kind  
Total budget = \$30,000

2004-2009 PI: Leanne Williams  
Australian Research Council.  
Development of integrated biological markers of brain function.  
Robert Paul: co-investigator at 5% effort in kind  
Total budget = \$630,000

2005-2006 PI: Robert Paul  
Subcontract to University of Hawaii (Cecilia Shikuma, PI)  
5U54NS043049-05  
National Institute of Neurological Disorders and Stroke  
University of Hawaii NeuroAIDS SNRP  
Total budget for the subcontract = \$74,000

2005-2007 PI: Victor Valcour  
R21 MH072388-01A2  
National Institute of Mental Health  
Macrophages, HAART, and HIV Dementia in Thailand  
Total budget = \$195,000  
(Consultant)

2005-2010 PI: Brad Navia  
2R01NS036524-07A1

National Institute of Neurological Disorders and Stroke  
In vivo proton MRS studies: cerebral injury in HIV infection  
Total budget = \$6,900,000  
(Consultant)

2006-2007 PI: Robert Paul  
RO3 National Institute of Drug Abuse  
Functional neuroimaging of cognitive impairment in HIV-HCV co-  
Infection  
Total budget = \$217,625

2006-2009 PI: John Gunstad  
RO1. National Institute of Heart, Blood and Lung Disease  
Cognitive effects of bariatric surgery  
Total budget = \$1,900,000

2007-2012 PI: Robert Paul  
RO1. National Institute of Aging  
Neuromarkers of age-related cognitive decline  
Total budget = \$2,732,000

Pending Grants

January 1, 2007 PI: Silvia Ratta-Kim  
R01 NS053359-01A1 *NGA pending, but notified that it is approved for  
funding*  
National Institute of Neurological Disorders and Stroke  
HIV-1 Immune Responses in Thai Individuals with HIV Dementia  
Total budget = \$1,545,000

May 1, 2007 PI: Victor Valcour  
RO1. National Institute of Mental Health  
Peripheral Reservoir of HIV DNA in monocytes pivotal to cognition in  
HIV  
Total budget = \$2,352,711

2007-2012 PI: Patti Resick  
RO1. National Institute of Mental Health  
Predictors and Mediators of PTSD Treatment Response  
Total budget: \$2,884,466  
Status: Due June 1, 2007

2007-2008 PI: Robert Paul  
University of Missouri South Africa Education Partnership.  
Project Title: Brain involvement in clade C HIV.

Total budget = \$10,000

Grants Planned for Submission:

2007-2012            PI: Robert Paul  
R01. National Institute of Mental Health  
Project Title: Neuropathogenesis of dementia in clade C HIV  
Total Requested: To be determined  
Status: Due September 6, 2007

2007-2009            PI: Robert Paul  
R21. National Institute of Mental Health  
Diffusion tensor imaging abnormalities associated with psychological  
trauma.  
Total budget: To be determined  
Status: Due October 5<sup>th</sup>, 2007

**TEACHING ROLES**

Institution:            Rose State College, Midwest City, OK  
Course:                 *General Psychology*  
Dates:                  August 1995-June 1998  
Numbers of Sections: Seven  
Numbers of Students: 18-29 per section

Institution:            Rose State College, Midwest City, OK  
Course:                 *Developmental Psychology*  
Dates:                  June 1997-August 1997  
Number of Sections: One  
Number of Students: 38

Institution:            University of Oklahoma  
Course                  *General Psychology*  
Dates:                  January 1996-December 1996  
Number of Sections: Two  
Number of Students: 75, 82

Institution:            Bryant University  
Course                  *General Psychology*  
Dates:                  September 2005-December 2005  
Number of Sections: One  
Number of Students: 36

Institution:            University of Missouri - St. Louis  
Course                  *Directed Readings*  
Dates:                  August 2006-December 2006

Number of Sections: One  
Number of Students: 1 – student is presented research at the Missouri State Capitol.

Institution: University of Missouri - St. Louis  
Course: *Introduction to Clinical Neuropsychology*  
Dates: January 2006-May 2007  
Number of Sections: One  
Number of Students: 36

### Training Seminars and Symposiums

- 2001 – 2006      Stroke – symptoms, assessment and clinical care  
Annual didactic provided to neuropsychology interns and postdoctoral fellows enrolled in the Brown Training Consortium.
- 2001 – 2006      Grant Writing Seminar  
Weekly seminar providing didactics and review of grants developed by faculty and trainees. Fifteen grants developed through this seminar have been funded by NIH since 2001.
- 2002- 2006      Psychology Licensing  
Annual didactic provided to neuropsychology interns and postdoctoral fellows enrolled in the Brown Training Consortium. Intent of the didactic was to provide information to prepare for the licensure process.
- 2003 – 2006      NIH Career Award Seminar  
Annual didactic provided to all psychology interns and postdoctoral fellows enrolled in the Brown Training Consortium. This seminar focused on how to develop a successful NIH Career Award.

### HOSPITAL TEACHING ROLES

Brown Psychology Training Consortium - Neuropsychology Track

2001 - 2005

Primary supervisor for the Brown Clinical Neuropsychology internship site at The Miriam Hospital. The internship rotation at The Miriam Hospital provided both inpatient and outpatient neuropsychological training opportunities. Inpatient consultations typically involved neurobehavioral assessments regarding etiology of current cognitive difficulties, and determination of competency and personal safety for discharge planning. Outpatient neuropsychological training opportunities included assessment of a wide variety of medical and psychiatric conditions. Common referrals involved Alzheimer's disease, stroke, Lewy Body disease, multiple sclerosis, HIV, depression, anxiety, and post-traumatic stress disorder. I served as the primary supervisor for this training position for four years, and supervised 12 individuals in this role.

2001 - 2006

Primary supervisor for the clinical neuropsychology research placement for the Brown Clinical Neuropsychology Training Program. I am the primary supervisor for the internship research placement at Butler Hospital. Psychology interns matched to this research rotation are integrated into the ongoing laboratory activities including data collection, data analysis, manuscript development and grant development. In addition, the intern is involved in the review of manuscripts throughout the training year. At the beginning of the training year the intern identifies “skill” goals and “product” goals to complete over the course of the year. Skill goals typically include neuroimaging acquisition and/or analysis, grant writing, or manuscript development. The intent of the “skill goal” is to obtain a new professional ability that will support the intern’s research interests and career. Product goals typically include completing one first-author manuscript and one co-authored manuscript, though most interns have also elected to develop and submit a NIH F32 NRSA training grant (with 100% successful funding). The intent of the product goal is to ensure that interns complete the year with tangible results that will support their career development.

**THESIS/DISSERTATION/RESEARCH COMMITTEES**

- 2005           Stephani Yat-Lee, B.S. Honors thesis, Brown University  
New metrics for diffusion tensor imaging
  
- 2005           Stuart Grieve, M.D. Honors thesis (Medicine), University of Sydney Medical  
School: Cognitive aging, executive function, and fractional anisotropy in the  
frontal lobe: A diffusion tensor MRI study.
  
- 2007           Kristin Kang, Ph.D. Doctoral dissertation, University of Sydney, Brain  
Dynamics  
Centre, Westmead Hospital. Neurophysiological and neurocognitive correlates  
of brain development.
  
- 2006           Susan Fortunbury Qualifying exam, Ph.D. Program, Behavioral Neuroscience,  
UMSL
  
- 2007           Nikki Hicklin Qualifying exam, Ph.D. Program, Behavioral Neuroscience,  
UMSL