

Ron Cohen
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**CURRICULUM VITAE
RONALD A. COHEN, PHD, ABPP, APCN
MCKNIGHT PROFESSOR
DEPARTMENTS OF CLINICAL AND HEALTH PSYCHOLOGY,
NEUROLOGY AND PSYCHIATRY**

**EVELYN F. MCKNIGHT CHAIR FOR CLINICAL TRANSLATION IN COGNITIVE AGING
CENTER FOR COGNITIVE AGING AND MEMORY (DIRECTOR)
UNIVERSITY OF FLORIDA**

PERSONAL PROFILE

Business Address: Cognitive Aging and Memory Program
McKnight Institute on Aging
University of Florida
Gainesville, FLA, 32608
Telephone Number: 352-294-5840
Business Fax: 352-265-8059
E-Mail: roncohen@ufl.edu; rac@brown.edu

EDUCATION

1976 B.Sc. (with honors) in Psychology, Tulane University
1982 Ph.D. in Psychology, Louisiana State University
Specialty: Clinical Psychology/ Neuropsychology

POSTGRADUATE TRAINING

1981-1982 Internship in Clinical Psychology. Neuropsychiatric Institute, UCLA Medical School.
Medical Psychology Specialization: Neuropsychology, Behavioral Medicine (American Psychological Association Accredited)
1982-1983 Post-doctoral Fellow, Neuropsychology. Univ. of Florida, Gainesville, FLA.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

2012-Present Florida License for Independent Practice in Clinical Psychology, License #5250
1983-1996 Massachusetts License for Independent Practice in Clinical Psychology, License #3723
1993-Present RI License for Independent Practice in Clinical Psychology, License #496.
1995 Diplomate: American Board Professional Psychology:
American Board of Clinical Neuropsychology

AWARDS

2015 Evelyn F. McKnight Endowed Chair for Clinical Translation in Cognitive Aging
2018 University of Florida Preeminent Term Professorship
2019 University of Florida Distinguished Research Professor
2019 Fellow, American Psychological Association

ACADEMIC APPOINTMENTS

2016-Present Professor, Clinical-Health Psychology, Neurology and Psychiatry, University of Florida

Ron Cohen
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2014-Present Evelyn F. McKnight Chair for Clinical Translation in Cognitive Aging, University of Florida
2013-Present Adjunct Professor, Warren Alpert School of Medicine, Brown University
2012-2016 Professor, Aging-Geriatric Research, Neurology and Psychiatry, University of Florida
2004-2013 Professor, Warren Alpert School of Medicine, Brown University
1996-2004 Associate Professor, Warren Alpert School of Medicine, Brown University
1993-1996 Assistant Professor, Warren Alpert School of Medicine, Brown University
1992-1993 Associate Professor, Neurology and Psychiatry, Univ. Massachusetts Medical School
1990-1993 Assistant Professor, Neuroscience Program, Univ. Massachusetts Medical School
1992-1994 Associate Adjunct Professor of Psychology, Holy Cross College
1984-1993 Adjunct Assistant Professor of Psychology, Clark University
1989-1993 Adjunct Assistant Professor, Behavioral Neuroscience, Univ. Massachusetts
1983-1992 Assistant Professor of Neurology and Psychiatry, University of Massachusetts Medical School

UNIVERSITY/HOSPITAL APPOINTMENTS

2012-Present Director, Center for Cognitive Aging and Memory, University of Florida
2008-2012 Senior Neuropsychologist, Director of Neuropsychological Research Centers for Behavioral Medicine, The Miriam Hospital
1993-2008 Director of Neuropsychology Program, The Miriam Hospital
1988-1993 Director of Neuropsychology, University Massachusetts Medical Center
1992-Present Research Neuropsychologist, Central Massachusetts Medical Center
1985-1990 Neuropsychological Consultant, Milford Hospital
1983-1990 Co-Director, Headache Clinic, Neurology, UMMC
1983-1991 Consultant, Dizziness Clinic,
1983-1993 Neuropsychologist, UMMC

ACADEMIC AND HOSPITAL COMMITTEES

2012-Present Leadership Council, McKnight Brain Institute,
2003-Present Faculty Development Committee, Department of Psychiatry and Human Behavior Brown University School of Medicine
2001-Present Brain Science Program, Brown University
2000-Present Brain Sciences Program, Executive Committee, Department of Psychiatry, Brown Univ.
2000-Present Magnetic Resonance Foundation (MRF) Executive Committee, Brown University
1998-Present Alzheimer's Disease Center Steering Committee
1994-Present Geriatric Research Planning Committee, Department of Psychiatry and Human Behavior, Brown University School of Medicine
1994-Present Cerebrovascular Disease Neurobehavioral Research Committee, Department of Psychiatry and Human Behavior, Brown University School of Medicine
1994-Present Consultation-Liaison, Behavioral Medicine Planning Team, Miriam Hospital
1994-1999 Brain Bank Committee, Department of Psychiatry and Human Behavior, Brown University School of Medicine
1993-Present Neuropsychology Consortium Training Committee, Department of Psychiatry and Human Behavior, Brown University School of Medicine
1993-Present Behavioral Medicine Training Committee, Department of Psychiatry and Human Behavior, Brown University School of Medicine
1993-Present Memory and Cognitive Disorders Program, The Miriam.
1990-1993 Psychology Credentials Committee, UMMC.
1988-1993 Neuroscience Steering Committee, UMMC.
1985-1993 Psychology Training Committee, UMMC.
1985-1993 Alzheimer's and Related Disorders Program, UMMC.

MEMBERSHIP IN SOCIETIES AND ORGANIZATIONS

International Neuropsychological Society
Society for Neuroscience
American Psychological Association
American Neuropsychiatric Society
American Academy of Neuropsychology

OTHER APPOINTMENTS

1999- Investigator, Alzheimer's Disease Cooperative Study: NIA
1995- Publication Committee, International Neuropsychological Society

1995- Program Committee, International Neuropsychological Society
Research Advisory Committee, APA-Division 40
1998-1992 Consultant, State Head Injury Program, Commonwealth of Massachusetts

NATIONAL SCHOLARLY ACTIVITIES- Reviewer

2014 Neurology, JINS, JCEN, Brain, Stroke...(14 journals total)
2013- Circulation, Neuroimage, Stroke
2007- Brain Research
2006- Annals of Neurology
2005- Biological Psychiatry
2003- Journal of Clinical and Experimental Neuropsychology
2002- CNS Spectrums
2002- Health Psychology
2001- Academic Press, Book Reviewer, Neuropsychology Series
1999- Violence and Victims
2000- Journal of Neuropsychiatry and Clinical Neuroscience
2000- Stroke
2000- 1998- Journal of International Neuropsychological Society
1998- Journal of Cardiac and Pulmonary Rehabilitation
1998 American Journal of Cardiology
1998 Archives of Neuropsychology
1995 Int. Journal of Neuroscience
1996- Psychiatry Research
1995- J. Geriatric Psychiatry & Neurology
1995- Archives Clinical Neuropsychology
1995 Annals of Behavioral Medicine
1993- Neurology
1985 Journal of Behavioral Medicine

Editorial Boards

2001- The Clinical Neuropsychologist
2002- Journal of the International Neuropsychological Society
2007- Brain Imaging and Behavior
2008- Stroke

National Investigational Review Groups

2012-2013 NIH HIV-Aging IRG
2007- 2012 NIH BMIO Study Section (Permanent Member)

2005-2007 NIH BMIO Study Section (Temporary Member)

2001- NIH-NIA (Ad Hoc IRG reviewer)
2001- NIH-NIDA (Ad Hoc reviewer): HIV and Drug Abuse: International Grants
2000- Department of Veterans Affairs (Ad Hoc Reviewer)
1999 - Alzheimer's Association. Review Panel

Grant Mentoring

1999 Robert Paul - F32 NINDS. Neurocognitive manifestations of myasthenia gravis
2000 Tricia Zawacki - F32 NINDS. Emotional Processing deficits associated with amygdala and mesial temporal lobe damage in herpes simplex and temporal lobe epilepsy
2000 Patricia Boyle - F32 NIA. Impairments of activities of daily living associated with Alzheimer's disease and vascular dementia
2001 Lawrence Sweet - F32 NINDS Working memory and processing speed deficits associated with multiple sclerosis
2002 Rebecca Ready - F32 NIA. Quality of life changes in MCI and AD
2002 Robert Paul - K08 NIDA.
2002 David Moser - K23 NIA. Endothelial function & neurocognitive functioning in the elderly
2003 Angela Jefferson - F32 NIA. Executive function disturbance and severity of heart failure
2003 John Gunstad - F32 NLHBI. Self perceived cognitive dysfunction with CABG
2003 David Tate - T32 CFAR. Neuroimaging changes in CD4 suppressed patients in India
2003 Adam Brickman - Research Intern. MRI Morphometry
2005 Karin Hoth - F32 Cardiovascular Disease
2006 Beth Jerskey - T32 Aging Fellowship
2006 Zohar Zephrani-Brown Univ. PhD Candidate Cognitive Psychology
2006 Andreana Haley, HTN and FMRI
2006 Lawrence Sweet, HF and FMRI (RO1 awarded)
2006 David Williams, Exercise and FMRI
2007 Uraina Clark, HIV Supplement to RO1
2008 Jason Hassenstab, NIH F32 Fellowship; FMRI & Metabolic syndrome
2009 Anna McKay. NIH F32 Fellowship. Attention training in older adults.
2009 Todd Levine, MD. NIH K-23 Application. FMRI: emotional processing in autism
2009 Assawin Gonvatana, NIAAA K99 award; Functional connectivity and DTI abnormalities in HIV
2011 Uraina Clark, K01, NIAAA Emotional processing associated with HIV and ETOH use
2013 Adam Woods, KL-2 award UF, Applications of t-DCS for cognitive aging
2013 Yonetta Dotson, NIA Pepper Career Development Award, Depression and Aging
2013 Nicole Whitehead (KL-2 submission UF), HIV, aging, depression and cognitive function
2014 Yenesil Cruz-Almeda, K-01 (Funded) K-01. Neural mechanisms of pain in the elderly
2014 Adam Woods, K-01 NIA Augmenting cognitive training using t-DCS
2014 Eric Porges, K-99, NIAAA. GABA as a modulator of ETOH effects on HIV-cognitive impairment
2015 Mollie Monnig, K01, NIAAA. Microbiome abnormalities in HIV
2017 Damon Lamb: CD2 VA. Neuroimaging of microvascular disease in aging
2016 Vaughn Bryant, NIAAA, F32, NeuroHIV
2017 Ellen Tracy NIMH (K24) Neural bases of chronic pain in African-American adults.
2018 Joseph Gullet, NIAAA, T32, Post-doctoral fellowship in NeuroHIV

Doctoral and Qualifying Examination Committees at UF

- 1) Talia Seider: Primary Mentor, Chair
- 2) Vaughn Bryant, Primary Mentor Chair
- 3) Amanda Garcia: Primary mentor, Chair
- 4) Elle Wiggins: Committee member
- 5) Lindsay Rotblatt: Committee member

- 6) Lawrence Burrell: Committee member
- 7) Emeka Okafor, Committee member, mentor
- 8) Sunil Swamee, Committee member, mentor
- 9) Joshua Tosche: Committee member
- 10) Joshua Kirton, Committee member
- 11) Jacob Jones, Committee member

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1977

1. **Cohen RA**, Izawa, C (1977) The effects of phonetic symbolism in paired associate learning. *Bulletin of the Psychonomic Society*.

1981

2. Kunen S, **Cohen, RA** (1981) A level of processing analysis of Bloom's Taxonomy. *Journal of Educational Psychology*.

1983

3. Williamson D, **Cohen, RA**, et al. (1983) A controlled evaluation of a self-help and therapist-assisted program for migraine and muscle contraction headache. *Headache*.
4. **Cohen RA**, Williamson D, Jarrell P, Monguillot J, Waters, WF. (1983). Psychophysiological response specificity and stereotopy for migraine and muscle contraction headache. *Journal of Behavioral Medicine*, 6:240-265.

1984

5. Waters WF, **Cohen RA**, Bernard, BA, Bucu, SM, Dreger, RM. (1984) ANRSI: An Autonomic Nervous System Response Inventory. *Journal of Behavioral Medicine*, 7(3):315-341.

1985

6. **Cohen**, RA, Waters, WF. (1985). Psychophysiological Correlates of Levels and States of Cognitive Processing, *Neuropsychologia*, 23(2):243-256.

1986

7. Zaret, B, **Cohen, RA** (1986). Reversible Valproic Acid-Induced Dementia; A Case Report. *Epilepsia*, 27(3):234-240.

1989

8. Recht LD, McCarthy K, O'Donnell, BF, **Cohen RA**, Drachman DA. (1989). Tumor associated aphasia in left hemisphere primary brain tumors: The importance of age and tumor Grade. *Neurology* 38:48-50.

1989

9. **Cohen RA**, Fisher M. (1989). Amantadine treatment of fatigue associated with Multiple Sclerosis. *Archives of Neurology*, 46, 676-680.

1990

10. Fisher, M, Levine PH, **Cohen, RA**. (1990). The effects of a 21-aminosteroid on free radical production by human leukocytes. *Stroke*, 21, 297-299.

1991

11. **Cohen, RA** and Albers, HE. (1991). Disruptions of human circadian and cognitive regulation following discrete hypothalamic lesion. *Neurology*, 41,726-729.
12. Lippa, CF, **Cohen, RA**, Smith TW, Drachman, DA. (1991) Primary progressive aphasia with focal neuronal achromasia. *Neurology*, 41, 882-886.
13. Fisher M, Levine PH, Doyle EM, Arpano, MM, Bergeron, DA, **Cohen, RA**, Hoogasian, JJ. (1991) A 21 aminosteroid inhibits stimulated monocyte hydrogen peroxide and chemiluminescence measurements from MS patients and controls. *Neurology*, 41,297-299.

1992

14. Kessler, HR, **Cohen, RA**, Lauer, K, Kausch, DF. (1992). The relationship between disability and memory dysfunction in multiple sclerosis. *International Journal of Neuroscience*, 62, 17-34.
15. Roman, GC, **Cohen, RA** et al (1992) Vascular dementia: Diagnostic criteria for research studies. Report of the NINDS-AIREN International Workshop. *Neurology*, 43,250-260.

1993

16. **Cohen, RA**, Kessler, HR, Fisher (1993). The extended disability status scale (EDSS) as a predictor of impairments of functional activities of daily living in multiple sclerosis. *Journal of the Neurological Sciences*, 48,112-116.

1994

17. **Cohen, RA**, Hasegawa, Y, Fisher, M. (1994). Effects of a novel NMDA receptor antagonist on experimental stroke quantitatively assessed by spectral EEG and infarct volume. *Neurological Research*, 16, 443-448.
18. **Cohen, RA**, Kaplan, RF, Meadows, ME, Wilkinson, H. (1994) Habituation & sensitization of the orienting response following bilateral anterior cingulotomy. *Neuropsychologia*, 32(5), 609-617.
19. O'Donnell, BF, **Cohen RA**, Hokama H, et al. (1994) Electrical source analysis of auditory ERPs in medial temporal lobe amnesic syndrome. *EEG Clin. Neurophysiol* 87, 394-402.
20. Kaplan RF, Meadows M-E, Verfaellie M, Kwan E, Ehrenberg BL, Bromfield EB, **Cohen RA**. (1994). Lateralization of memory for the visual attributes of objects: Evidence from the posterior cerebral artery amobarbital test. *Neurology*, 44(6):1069-1073.

1995

21. Kaplan RF, **Cohen RA**, Rosengard A, et al.(1995). Extinction during time controlled direct retinal

stimulation following recovery from right hemisphere stroke. *Journal of Neurology, Psychiatry, Neurosurgery*, 59, 534-536.

22. **Cohen RA**, O'Donnell BF, Meadows ME, Moonis M, Stone W, Drachman DA. (1995). ERP indices and neuropsychological performance as predictors of functional outcome in dementia. *J. Geriatric Psychiatry and Neurology*, 8,217-225.

1996

23. **Cohen RA**, Kaplan RF, Meadows M-E, et al (1996). Comparison of the orienting response during the intracarotid and posterior cerebral artery amobarbital tests. *Neurocase*, 2, 93-98.

1997

24. **Cohen RA**, Barnes HJ, Jenkins M, Albers HE (1997). Disruption of short-duration timing associated with damage to the suprachiasmatic nucleus of the hypothalamus. *Neurology*, 48, 1533-1539.
25. Jenkins MA, Cimino C, Malloy PF, Salloway S, **Cohen RA**, Kohn R, Westlake R. (1997). Neuropsychiatric factors in the illusion of visitors among geriatric patients: a case series. *Journal of geriatric psychiatry and neurology* 10(2):79-87.

1998

26. Jenkins MA, Langais PJ, Delis D., **Cohen RA** (1998). Learning and memory in rape victims with posttraumatic stress disorder. *American Journal of Psychiatry*, 155(2), 278-279.
27. Moser DJ, **Cohen RA**, Maloy P, et al. (1998). Reduplicative paramnesia: A longitudinal neurobehavioral and neuroimaging analysis. *J Geriatric Psychiatry & Neurology*, 11(4), 174-180.
28. Lukatela K, Maloy P, **Cohen RA**. (1998). The naming deficits in early Alzheimer's disease and vascular dementia. *Neuropsychology*, 12(4), 1-8.
29. Jenkins M, Malloy P, Salloway S, **Cohen RA**, Rogg J, Tung G, Kohn R, Westlake R, Johnson EG, Richardson E. (1998). Memory processes in depressed geriatric patients with and without subcortical hyperintensities on MRI. *J Neuroimaging* 8(1):20-6.
30. Jenkins M, **Cohen RA**, Malloy P, et al. (1998). Neuropsychological measures which discriminate among adults with residual symptoms of attention deficit disorder and other attentional complaints. *The Clinical Neuropsychologist*, 12(1), 74-83.
31. Moser DJ, **Cohen RA**, Maloy P, et al. (1998). Reduplicative paramnesia: A longitudinal neurobehavioral and neuroimaging analysis. *Journal of Geriatric Psychiatry and Neurology*. 11(4):174-80.
32. **Cohen RA**. (1998) Disruption of short-duration timing associated with damage to the suprachiasmatic region of the hypothalamus: Reply from authors. *Neurology*, 51, 919-920.
33. Stern FA, Aruda JE, Sommerville JA, **Cohen RA**, et al. (1998). Neurobehavioral functioning in asymptomatic HIV-1 infected women. *Journal of the International Neuropsychological Society*, 4, 172-178.

1999

34. **Cohen RA**, Kaplan RF, Moser DJ, Jenkins MA, Wilkinson H. (1999). Impairments of attention following cingulotomy. *Neurology*, 53, 819-824.
35. **Cohen RA**, Kaplan RF, Moser DJ, Zuffante P, Jenkins MA (1999). Attention and executive functioning associated with bilateral anterior cingulotomy: Alteration of intention and self-initiated action. *Journal of Neuropsychiatry and Clinical Neuroscience*, 11(4), 444-53.
36. **Cohen RA**, Rosenbaum A, Kane RL, Warnken WJ, Benjamin S. (1999) Neuropsychological correlates of domestic violence. *Violence and Victims*, 14(4): 397-411.
37. Moser DJ, **Cohen RA**, Clark M, et al. (1999) Neuropsychological functioning among cardiac rehabilitation patients. *Journal of Cardiopulmonary Rehabilitation*, 19 (2), 91-97.
38. **Cohen RA**, Moser DJ, Clark MM, Aloia MS, Cargill BR, Stefanik S, Albrecht A, Tilkemeier PL, Forman DE. (1999). Neurocognitive Functioning and Improvement in Quality of Life Following Participation in Cardiac Rehabilitation, *Am J Cardiology* 83(9): 1374-1378.

2000

39. Osoweicki D, **Cohen RA**, Morrow K, Paul R, Carpenter CJ, Flanigan T, Boland R. (2000). Neurocognitive and psychological contributions to quality of life in HIV-1 infected women. *AIDS* 14, 1327-1332.
40. Paul R, **Cohen RA**, Gilchrist J, Zawacki T, Aloia M. (2000). What have we learned about cognitive function in myasthenia gravis: A review of methods and results. *Neuroscience and Biobehavioral Reviews*, 25, 75-81.
41. Paul, R., **Cohen, RA.**, Gilchrist, J., Goldstein, J. (2000). Fatigue and its impact on patients with myasthenia gravis. *Muscle and Nerve* 23, 1402-1406. **PMID:10951443.**
42. Paul R, **Cohen RA**, Gilchrist J, Aloia M, Goldstein J. (2000). Cognitive dysfunction in individuals with myasthenia gravis. *Journal of the Neurological Sciences*, 179, 59-64. *PMID:11054486.*
43. Paul R, **Cohen RA**, Ott BR, Zawacki T, Moser D, Gordon N. (2000). Cognitive and functional capacity in two subtypes of vascular dementia. *Neurorehabilitation*, 15,199-205. *PMID: 11455096.*
44. Lukatela KA. **Cohen RA**. Kessler HA. Jenkins MA. Moser DJ. Stone WF. Gordon NF. Kaplan RF. (2000) Dementia rating scale performance: a comparison of vascular and Alzheimer's dementia. *Journal of Clinical & Experimental Neuropsychology*. 22(4),445-54. *PMID:10923054.*
45. Moser DM, **Cohen RA**, Bauer RM, et al. (2000) Electroencephalographic, volumetric, and neuropsychological indicators of seizure focus lateralization in temporal lobe epilepsy *Archives of Neurolog.* 57(5),707-12. *PMID:10815137.*
46. Rapcsak, S Z., Galper S R, Comer JF, Reminger SL, Nielsen L, Kaszniak, AW, Verfaellie M, Laguna JF, Labiner DM, **Cohen RA** (2000). Fear recognition deficits after focal brain damage: A cautionary note. *Neurology*. 54(3),575. *PMID:10680785.*
47. Paul R, **Cohen RA**, Toder J. (2000). Late onset hypersensitivity. Reply to Marino et al. *Arthritis Care*

and Research, 12 (6), 435-436.

2001

48. Moser DJ, **Cohen RA**, Paul RH, Paulsen JS, Ott BR, Gordon NM, Bell S, Stone WM. (2001). Executive function and magnetic resonance imaging subcortical hyperintensities in vascular dementia. *Neuropsychiatry, Neuropsychology, & Behavioral Neurology*, 14(2),89-92. PMID:11417671.
49. **Cohen RA**, Paul, R, Brumm, V, Zawacki T, Sweet L. (2001). Emotional and personality changes following cingulotomy *Emotion*, 1(1), 38-50. PMID:12894810.
50. **Cohen RA**, Boland R, Paul R, Tashima K, Schoenbaum EE, Celentano DD, Schuman P, Smith DK, Carpenter C. (2001). Neurocognitive performance enhanced by highly active antiretroviral therapy in HIV-infected women. *AIDS* 15, 341-345. PMID:11273214.
51. **Cohen RA** (2001). From Theory to Application: Attention and Performance-XVII: Cognitive Regulation of Performance: Interaction of Theory and Application (Book Review). *Journal International Neuropsychological Society*, 7(6), 779-780.
52. Paul, RH, **Cohen**, R., Moser, D., Ott., Gordon, N. (2001). Dementia severity and pattern of cognitive performance in vascular dementia. *Applied Neuropsychology*, 8(4), 211-217. PMID:11989724.
53. Paul R, **Cohen RA**. (2001). Cognitive and functional status in two subtypes of vascular dementia. *Neurorehabilitation*, 15(3), 199-205.
54. Paul RH, **Cohen RA**, Moser D, Ott BR, Zawacki T, Gordon N, Bell S, Stone W. (2001). Performance on the Mattis Dementia Rating Scale in patients with vascular dementia: relationships to neuroimaging findings. *Journal of Geriatric Psychiatry & Neurology*, 14(1), 3-6. PMID:11417672.
55. Paul R, **Cohen RA**, Ott BR, Zawacki T, Gordon N. (2001). Performance on the Dementia Rating Scale in vascular dementia: Relationship to neuroimaging findings. *Journal of Geriatric Psychiatry and Neurology*, 14, 33-36. PMID:11281314.
56. Paul, R, **Cohen**, R, Moser, D, Ott, B, Zawacki, T, Gordon, N. (2001). Performance on the Hooper Visual Organizational Test in patients diagnosed with subcortical vascular dementia: relation to naming performance *Neuropsychiatry Neuropsychol Behav Neurol* 14, 93-97. PMID:11417672.
57. Moser D, **Cohen RA**, Paul R, Gordon N, Ott BR. (2001). Executive function and magnetic resonance imaging subcortical hyperintensities in vascular dementia *Neuropsychiatry, Neuropsychology and Behavioral Neurology* 14, 89-92. PMID:11417671.
58. **Cohen RA**, Paul R, et al (2001). Single photon emission computed tomography imaging hyperintensities and cognitive impairment in patients with vascular dementia PET and neuropsychological findings in vascular dementia. *Journal of Neuroimaging*, 11(3), 253-260. PMID:11462291.
59. **Cohen RA**, Paul R, Lohr I. (2001). Impairments of attention in patients with major affective disorder. *Journal of Neuropsychiatry and Clinical Neurosciences*. 13, 385-395. PMID:11514646.
60. Paul RH, Nash JM, **Cohen RA**, Gilchrist JM, Goldstein JM. (2001). Quality of life and well-being of patients with myasthenia gravis. *Muscle & Nerve*. 24(4), 512-6. PMID:11268023.
61. Paul, R., **Cohen**, R., Goldstein, J., Gilchrist, J. (2000). Severity of mood, self-evaluative, and vegetative

symptoms of depression in myasthenia gravis. *Journal of Neuropsychiatry and Clinical Neurosciences*, 12(4), 499-501. PMID: 11083168.

2002

62. 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. PMID:12034135.
63. **Cohen RA**, Paul R, Ott B, et al. (2002). The relationship of subcortical hyperintensities on MRI and brain volume to cognitive function in vascular dementia in vascular dementia. *Journal of the International Neuropsychological Society*, 8, 743-752. PMID:12240738.
64. Browndyke, J.N., Albert, A.L., Malone, W., Schatz, P., Paul, R.H., **Cohen RA.**, Tucker, K.A., & Gouvier, W.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), 210-219. PMID:12584075.
65. Paul, R., **Cohen RA.**, Moser, D., Ott, B. (2002). The serial position effect in vascular dementia. *Journal of the International Neuropsychological Society*.8 (4): 584-587. PMID:12030311.
66. Boyle, P.A., **Cohen, RA.**, 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. PMID:11813280.
67. Paul RH, **Cohen RA**, Moser DJ, Zawacki T, Ott BR, 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. PMID:11936244.
68. Zawacki T, **Cohen RA**, Paul, R, Ott, B, Grace, J, Moser, D. (2002). The relationship between apathy and activities of daily living in vascular dementia. *Journal of Neuropsychiatry and Clinical Neurosciences*, 8(6), 635-641. PMID:12240738.
69. Paul, R., **Cohen RA.**, Gilchrist, J. (2002). Ratings of subjective fatigue relate to cognitive performance in patients with myasthenia gravis. *Journal of Clinical Neuroscience*, 9(3),243-6. PMID:12093127.
70. Browndyke, J.N., D.J. Moser, **Cohen RA**, D.J. O'Brien, J.J. Algina, W.G. Haynes, E.D. Staples, J. Alexander, L.K. Davies, and R.M. Bauer. (2002). *Acute neuropsychological functioning following cardiosurgical interventions associated with the production of intraoperative cerebral microemboli. Clin Neuropsychol*, 16(4), 463-71. PMID:12822055.

2003

71. Paul R, Garret K, **Cohen RA**. (2003). Vascular dementia: A conundrum for the clinical neuropsychologist. *Applied Neuropsychology*, 10(3), 129-136. PMID:12890638.
72. Boyle PA, Malloy PF, Salloway S, Cahn-Weiner DA, **Cohen R**, Cummings JL. (2003). Executive dysfunction and apathy predict functional impairment in Alzheimer disease. *American Journal of Geriatric Psychiatry*; 11(2), 214-221. PMID:12611751.

73. Boyle PA, Paul R, Moser D, Zawacki T, Gordon N, **Cohen RA**. (2003). Cognitive and neurologic predictors of functional impairment in vascular dementia. *American Journal of Geriatric Psychiatry*; 11(1),103-6. *PMID:12527546*.
74. Paul R, **Cohen RA**, Moser D, Ott B, 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),116-20. *PMID:12499720*.
75. Paul R, **Cohen RA**, Stern R (2002). Neurocognitive Manifestations of Human Immunodeficiency Virus. *CNS Spectr*, 7(17), 860-866. *PMID: 12766695*
76. Tate, D., R.H. Paul, T.P. Flanigan, K. Tashima, J. Nash, C. Adair, R. Boland, and **Cohen RA**(2003). The impact of apathy and depression on quality of life in patients infected with HIV. *AIDS Patient Care STDS*, 17(3), 115-20. *PMID:12724007*.

2004

77. Sweet, L.H., S.M. Rao, M. Primeau, A.R. Mayer, and **Cohen RA**.(2004). Functional magnetic resonance imaging of working memory among multiple sclerosis patients. *J Neuroimaging*, 14(2), 150-7. *PMID:15095561*.
78. Garrett, K.D., J.N. Browndyke, W. Whelihan, R.H. Paul, M. DiCarlo, D.J. Moser, **Cohen RA**, and B.R. Ott.(2004). The neuropsychological profile of vascular cognitive impairment--no dementia: comparisons to patients at risk for cerebrovascular disease and vascular dementia. *Arch Clin Neuropsychol*, 19(6), 745-57. *PMID:15288328*.
79. Garrett, K.D., R.H. Paul, D.J. Libon, and **Cohen RA**.(2004). Defining the diagnosis of vascular dementia. *Appl Neuropsychol*11(4), 204-9. *PMID:15673492*.
80. Davis Garrett, K., R.A. **Cohen RA**. Paul, D.J. Moser, P.F. Malloy, P. Shah, and O. Haque. (2004). Computer-mediated measurement and subjective ratings of white matter hyperintensities in vascular dementia: relationships to neuropsychological performance. *Clin Neuropsychol*, 18(1), 50-62. *PMID:15595358*.
81. Browndyke, J.N., K.A. Tucker, S.P. Woods, J. Beauvals, **Cohen RA**, P.C. Gottschalk, and T.R. Kosten.(2004).Examining the effect of cerebral perfusion abnormality magnitude on cognitive performance in recently abstinentchronic cocaine abusers. *J Neuroimaging*, 14(2), 162-9. *PMID:15095563*.
82. Boyle, P.A., R.H. Paul, D.J. Moser, **Cohen RA**, (2004). Executive impairments predict functional declines in Vascular dementia. *Clin Neuropsychol*, 18(1),75-82. *PMID:15595360*.

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Books:

1. Cohen, RA *Encyclopedia of Clinical Neuropsychology* (2nd edition): Section Editor (Attention and Concentration). Springer Verlag, New York. (50 entries).
2. Cohen, RA *Encyclopedia of Clinical Neuropsychology* (2nd edition): Section Editor (Visual Functions). Springer Verlag, New York.
3. Cohen, RA (2014) *Neuropsychology of Attention* (2nd Edition), Springer Publishing: New York.
4. Cohen, RA *Encyclopedia of Clinical Neuropsychology*: Section Editor (Attention and Visual Functions). Springer Verlag, New York (20 chapters in encyclopedia)
5. Cohen RA & Gunstad, J. (2009) *Neuropsychology of Cardiovascular Disease*. Oxford University Press: New York
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2. Cohen, RA, Gullett, J, Porges, E. (in press) Neuroimaging of the Aging Brain. (Heilman, KM, Nadeau, S, eds.) Cognitive Changes in the Aging Brain, Cambridge University of Press, Cambridge, UK
3. Cohen, RA, Smith, G, Marsiske, M (in press). Neuropsychology of Aging. (DeKosky, S., ed.) & Handbook of Clinical Neurology (3rd Series). Elsevier, New York.
4. Seider, T., Cohen, RA, Woods, A.(in press) Apperceptive Agnosia. (Kreutzer, DeLuca, Caplan, eds.) in Handbook of Clinical Neuropsychology (2nd ed.). Springer, New York. Cohen, RA.,(Cohen, RA.,(2019) Attention. (Kreutzer, DeLuca, Caplan, eds.) in Handbook of Clinical Neuropsychology (2nd ed.). Springer, New York.
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ABSTRACTS

1. Over 140 Abstracts were presented by Dr. Cohen's group between 2009 and 2018
2. Zawacki T, Cohen R, Sweet L, Paskavitz J (2002). Relationship of SPECT neuroimaging findings to apathy among patients with vascular dementia. *Journal of the International Neuropsychological Society*, 7(2), 89.
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4. Cohen RA, Moser D, Wilkinson H (2000). Altered emotional experience following anterior cingulotomy and its relationship to impairments of intention and self-initiation. *Journal of the International Neuropsychological Society*, 6(2), 109.
5. Duis C, Moser D, Cohen RA (2000) Relationship between subcortical hyperintensities on MRI and neuropsychological test performance in patients with vascular dementia. *Journal of the International Neuropsychological Society*, 6(2), 225.
6. Moser D, Stone W, Boland R, Gordon N, Cohen R (2000). Pathological laughter: A case study. *Journal of the International Neuropsychological Society*. 6(2), 224
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10. Cohen RA (1999b). Short-duration timing impairments in patients with frontal-subcortical dysfunction, and their relation to impairments of attention, executive functioning, and processing speed. *Journal of the International Neuropsychological Society*, 5(2), 136-137.
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amobarbital test. Journal of the International Neuropsychological Society.

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17. Meadows, M-E, Cohen RA, O'Donnell BF, Moonis M, Drachman DA (1994). The predictive ability of electrophysiological and neuropsychological testing on functional outcome in dementia. Journal of Clinical and Experimental Neuropsychology, 16(1).
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20. Kaplan RF, Meadows M-E, Cohen RA, Bromfield EB, Ehrenberg BL (1993). Awareness of deficit: the sodium amobarbital (Wada) test. J Clin Exp Neuropsychol, 15(3), 383.

INVITED ADDRESSES

1. Society for Obesity. Nashville, TN (2018) Obesity-Associated Cognitive and Brain Dysfunction and Improvements Following Bariatric Surgery
2. International Neuropsychological Society, Washington, DC. (2018), Cognitive and Brain Aging (3 hr workshop).
3. Florida Society for Neurology. Orlando, FL (2018). NeuroHIV: Clinical manifestations and management issues
4. Florida Society for Neurology. Orlando, FL (2017). Neuroimaging of cognitive aging.
5. International Neuropsychological Society, Boston, MA (Feb. 2007). Neuropsychology of Cardiovascular Disease: Symposium
6. MIT-Cognitive Neuroscience Dept., Cambridge, MA (April 2007) Neuropsychology of Cardiovascular Disease.
7. National Academy of Neuropsychology, San Antonio, Texas (November 2006)) Neuropsychology of Cardiovascular Disease: 3 hour workshop
8. Boston VA Hospital, Jamaica Plains, MA. Cognitive Neuroscience Seminar (March 2003) evidence regarding subtypes of attention.
9. Harvard University, Brigham and Woman's Hospital, Cognitive Neuroscience Seminar (February 2003). Vascular dementia: A Review .
10. Harvard University, Brigham and Woman's Hospital, Cognitive Neuroscience Seminar (April 2002). Intentional functions and the cingulate cortex.
11. Brown University, (March 2002) Department of Philosophy: Exploration of the Mind-Body Problem (Panel with J. Fodor, L. Cooper, P. Kramer)
12. Society for Neurosciences, San Diego, CA. National Institute of Drug Abuse Sponsored Neuroscience

Symposium: Drug abuse and HIV disease in the brain. (November 2001).

13. Wake Forest University- 7th Annual Graylyn Conference on Women's Cognitive Health. (Oct. 2001) HAART enhanced cognitive performance among HIV-infected women.
14. International Neuropsychological Society, Boston, MA (1999). Symposium leader. Timing and Attention.
15. Massachusetts Neuropsychological Association (1996). The component processes of attention: A neuropsychological perspective.
16. Psychiatry Resident's Seminar (1995). Butler Hospital. Neuropsychology of Attention.
17. California Neuropsychological Forum (1994). San Francisco. Attention and Information Processing.
18. Neurosurgery Grand Rounds (1993). Univ. Massachusetts Medical School, Worcester, MA. Neurobehavioral impairments following bilateral cingulotomy.
19. Stanley Hall Lecture (1992). Psychology Department, Clark University. Neuropsychology of Attention.
20. Neuropsychiatry Seminar Series (1985-1993). Various topics.
21. Massachusetts Alzheimer's Disease Research Meeting (1990). Boston. Progressive aphasia with neuronal achromasia: clinicopathologic study.
22. UMMC Continuing Education Program. (1990) Neurobehavioral considerations in the assessment of Alzheimer's and related dementia.
23. Massachusetts Manic-Depressive Disorders Association Meeting (1989). Worcester. Sleep disorders associated with bipolar affective disorders.
24. Mental-State Estimation Workshop: NASA (1987). Williamsburg, Virginia. Attention, Grand Rounds (1987-1993). UMMC, Worcester. Co-Presenter.
25. South Florida Psychological Society (1983). Palm Beach., FL. Forensic Applications in Neuropsychology.

National Educational Activities (Professional Neuropsychology)

1. American Board of Clinical Neuropsychology: Continuing Education Program – Co-Director (R. Kaplan, Director), 2000-
2. American Board of Clinical Neuropsychology: Reviewer and examiner, 1995-
3. American Board of Clinical Neuropsychology : Examination development committee 1996-1997.

UNIVERSITY TEACHING ROLES

Institution: University of Florida, Gainesville, FL
Role: Professor
Dates: 2001– 2012

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Sections: 1 hour/week
Task: Mentoring neuropsychology interns, fellows, and junior faculty.

Institution: Brown University, Providence, RI
Role: Grant Writing Seminar, Neuropsychology, DPHB
Dates: 2001– 2012
Sections: 1 hour/week
Task: Mentoring neuropsychology interns, fellows, and junior faculty.

Institution: Brown University, Providence, RI
Role: Magnetic Resonance Foundation
Dates: 2001– 2012
Sections: 4 hours/month
Task: Development of functional imaging programs and training at Brown University

Institution: Brown University, Providence, RI
Role: Magnetic Resonance Foundation
Dates: 2001– 2012
Sections: 4 hours/month
Task: Development of functional imaging programs and training at Brown University

Institution: Brown University School of Medicine, Providence, RI
Course: Affinity Group Program: The Mind-Body Interface
Dates: August 2002 – 2012
Sections: 16/Year
Students: 12 Medical Students
Role: Course Leader

Institution: Brown University, Providence, RI Department of Philosophy
Course: Mind-Body Symposium
Dates: August 2001– 2012
Sections: one
Students: 50
Topics: Discussion of the Mind-Body Problem

Institution: Brown University School of Medicine, Providence, RI
Course: Neuropsychology Seminar Series
Dates: August 1993- – 2012
Sections: 3-4/Year
Students: 8-10
Topics: Attention, Memory, Higher Visual Functions, fMRI

Institution: Brown University School of Medicine, Providence, RI
Course: Neuropsychology Rounds
Dates: August 1993- – 2012
Sections: 1-2 /Year
Students: 10-20
Topics: Various clinical and research area

Institution: Brown University School of Medicine, Providence, RI
Course: Geriatric Psychiatry Seminar Series
Dates: August 2001 – 2012

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Sections: 1-2/Year
Students: 6-10
Topics: Neuropsychological Assessment of the Elderly; Vascular dementia

Institution: Brown University School of Medicine, Providence, RI
Course: Post-Doctoral Neuropsychology Mentor
Dates: August 1996– 2012
Sections: 10 hours a week
Students: 4 fellows
Role: Serve as research mentor to post-doctoral fellows in neuropsychology.
Mentor to five fellows on their F32 grants and research career development.

Institution: Brown University School of Medicine, Providence, RI
Course: Clinical Post-Doctoral Neuropsychology Supervisor/Mentor
Dates: August 1993– 2012
Sections: 4 hours a week
Students: 10-20
Topics: Clinical neuropsychology

Institution: Brown University School of Medicine, Providence, RI
Course: Research Mentor, Psychiatry Fellows
Dates: July 1994 – 2012
Students: 1/year
Roles: Have supervised/advised four psychiatry residents/fellows on research projects.

Institution: Brown University School of Medicine, Providence, RI
Course: Clinical Psychology Internship: Clinical Neuropsychology Rotation
Dates: August 2001– 2012
Sections: 8 hours a week
Students: 1/rotation
Topics: Clinical neuropsychology

Institution: Brown University School of Medicine, Providence, RI
Course: Clinical Psychology Internship: Clinical Neuropsychology Rotation
Dates: July 2001– 2012
Sections: 2 hours a week
Students: 1/rotation
Topics: Clinical neuropsychology

Institution: Brown University School of Medicine, Providence, RI
Course: Clinical Psychology Internship: Research Placement Supervisor
Dates: August 2001– 2012
Sections: 4 hours a week
Students: 1-2/ year
Topics: Neuropsychological Research

Institution: Brown University School of Medicine, Providence, RI
Course: Clinical Psychology Internship: Behavioral Medicine Seminar Placement Supervisor
Dates: August 1995– 2012
Sections: 1/year
Students: 4-6
Topics: Neuropsychological applications to behavioral medicine

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Institution: Brown University School of Medicine, Providence, RI
Course: Consultation-Liaison Supervisor
Dates: August 1994-2000
Sections: 8 hours a week
Students: 2/rotation
Topic: Inpatient clinical supervision

Institution: Clark University – Departments of Biology and Psychology, Worcester, MA
Course: Cognitive neuroscience (Bio 364),
Dates: 1993-1994
Sections: 8 hours a week
Students: 12/seminar
Topics: Cognition and the brain

Institution: Holy Cross College – Department of Psychology, Worcester, MA
Course: Cognition & Memory (Psych 305)
Dates: 1993-1994
Sections: 8 hours a week
Students: 26/seminar
Topics: Cognitive psychology.

Institution: University of Massachusetts Medical School, Worcester, MA
Role: Director of Neuropsychology Training
Dates: 1988-1993
Sections: 2 hours a week

Institution: University of Massachusetts Medical School, Worcester, MA
Role: Founding Member, Clinical Psychology Training
Dates: 1989-1993
Sections: 2 hours a week

Institution: University of Massachusetts Medical School, Worcester, MA
Role: Neuropsychology Clinical Supervisor
Dates: 1985-1993
Sections: 12 hours a week

Institution: University of Massachusetts Medical School / Worcester State Hospital
Course: Neuropsychology Seminar
Dates: 1985-1993
Sections: 4 hours a week
Students: 4
Topic: Clinical Neuropsychology

Institution: University of Massachusetts Medical School, Worcester, MA
Course: Neuropsychology Seminar, Neurology Residency Training Program
Dates: 1988-1993
Sections: 1/semester
Students: 10-20
Topics: Various topics in neuropsychology

Institution: University of Massachusetts Medical School/Worcester State Hospital
Course: Higher Cortical Functions Seminar
Dates: 1983

Sections: 1/semester
Students: 15
zTopic: Attention and memory

FUNDED RESEARCH:

ACTIVE

IR01AG054077-01 (Woods/Cohen/Marsiske, PI's) \$21,546 09/1/2016-04/30/2021 1.2 CM
National Institute of Health

Augmenting Cognitive Training in Older Adults – The ACT Grant

This randomized clinical trial examines the effect of augmenting cognitive training with transcranial direct current stimulation to maximize cognitive and functional outcomes older adults experiencing age-related cognitive decline. Change in well-validated measures of everyday abilities and neurocognitive function will serve as outcome measures. Functional and structural neuroimaging biomarkers of neural plasticity and learning (fMRI, GABA MRS, etc.) will measure intervention-associated alterations in specific brain regions impacted by cognitive aging.

IR01DK09933401A1 (Ronald Cohen, PI) \$349,225 6/25/2014 – 05/31/2019 3.6 CM
National Institute of Health NIDDK

Obesity and Type-2 Diabetes: Bariatric Surgery Effects on Brain Function

The study will delineate mechanism underlying the effects of chronic obesity on brain functioning and determine if cognitive benefits of bariatric surgery and weight loss contribute to enhanced cerebral metabolic or hemodynamic function assessed using multimodal neuroimaging methods.

2 P01 AA019072 (Monti, PI) \$110,695 9/01/2015-05/31/2020 1.0 CM
National Institute of Health NIAAA

Alcohol and HIV: Biobehavioral Interactions and Intervention

The goals of this program project are to study the effects of alcohol use on HIV disease progression, the effects of interventions to reduce alcohol use in HIV-infected populations, and the effects of alcohol on sexual decision making. The project also fosters multidisciplinary collaborations and training in research on alcohol and HIV and dissemination of research findings to clinicians treating addictions and HIV. Research Component 1 (Cohen, PI) is a continuation of the study being conducted in the parent ARCH, but will now examine the effects of reducing alcohol consumption via a motivational interviewing approach in HIV-infected heavy drinkers, with a specific focus on changes in cognitive performance, functional brain response on fMRI, and cerebral metabolite abnormalities (MRS).

R21AG053736-01A1 (Clark; PI) \$14,219 06/01/2017 -05/31/2019 .36 CM
National Institute of Health NIA

Combining tDCS and neurorehabilitation to treat age-related deficits of mobility and cognition

This study examines whether brain stimulation is effective in increasing neural plasticity, thereby enhancing motor functions and mobility in older adults. In my role as co-I, I provide support for the neuroimaging conducted as part of the protocol.

R01DA042069 (Cook, PI) \$20,093 08/15/2017 – 03/31/2022 .60 CM
National Institute of Health NIDA

Health outcomes and cognitive effects of marijuana use in people living with HIV/AIDS. The overarching goals of this study are to obtain evidence regarding the influence of marijuana on major health outcomes and behavior in PLWH in order to help guide clinical recommendations and identify risk factors for

consequences.

U01AA020797 (Cook, Cohen, MPIs) \$63,200 09/01/2016 – 06/30/2021 1.8 CM
National Institute of Health NIAAA

Effects of experimentally-induced reduction alcohol use on cognitive and brain function in HIV-infected adults. This U01 Project examines the effects of reduced alcohol consumption on cognition and brain functioning among HIV infected people who are heavy drinkers. A contingency management approach is employed by which participants are given financial incentive in an escalating fashion the longer they go without drinking. Electronic alcohol monitors are worn to verify actual alcohol consumption on a continuous basis. Participants undergo cognitive and neuroimaging assessments at baseline (Pre-CM) and then at 30 days of CM and after completion of CM at 90 days. Follow up assessments are conducted one year post baseline.

R21AG054876 – (Williamson, PI) \$7,362 09/01/2017 – 05/31/2019 .36 CM
National Institute of Health NIA

Treatment of mild cognitive impairment with transcutaneous vagal nerve stimulation. This study examines whether cognitive and brain functioning in MCI can be improved via vagal stimulation applied in conjunction with cognitive training.

U01AA026225 – (Barve, Cohen, Cook PI's) \$24,369 09/22/2017 – 08/31/2018 .60 CM
National Institute of Health NIAAA

This U01 project contains two components, one which involves a collaboration between Florida investigators from UF, UM, and FIU who are part of the SHARC and Dr. Barve and his group at the University of Louisville. This study examines the impact of abnormalities in the gut microbiome associated with HIV and heavy ETOH use. Stool samples collected at the Miami site from participants enrolled in U01AA020797 are sent to Dr. Barve's laboratory and biomarkers are derived. These biomarkers are examined relative to cognitive, neuroimaging, and clinical measures collected at three time points. Dr. Cohen's laboratory is responsible for the analysis of cognitive and neuroimaging data, and resulting manuscripts.

1R21HL140492-01 (Salmoirago-Blotcher, PI) \$10,733 5/25/2018 – 04/30/2020 .60CM
NHLBI

Exploring the Role of Mindfulness Training In the Promotion of Medication Adherence In Heart Failure Outpatients. The goal of this project is to study the feasibility and possible mechanism of mindfulness training for the promotion of medication adherence in heart failure outpatients.

R011AG061065 (Barve, Cohen, Cook MI) \$174,641 annual 10/01/2018 – 09/30/2023 1.8 CM

Microbiome study of HIV and aging

The Role of Gut Microbial Dysbiosis and Aging on HIV- associated neurocognitive and brain dysfunction
This study extends our current research on neuroHIV and the contribution of the gut-liver-brain axis to neurocognitive and brain abnormalities. In this project we will recruit HIV+ and HIV- adults ranging in age from young adulthood to advanced age. The project examines of the microbiome on the interaction of age and HIV infection. The methods are similar to those employed in the U01 study (longitudinal neuroimaging, cognitive assessment, biospecimens), but with a different cohort in which ETOH is not the basis for recruitment.

OVERLAP – None

ACTIVE

1R01AG054077-01 (Woods/Cohen, PI's) \$21,546 09/1/2016-04/30/2021 1.2 CM

National Institute of Health

Augmenting Cognitive Training in Older Adults – The ACT Grant

This randomized clinical trial examines the effect of augmenting cognitive training with transcranial direct current stimulation to maximize cognitive and functional outcomes older adults experiencing age-related cognitive decline. Change in well-validated measures of everyday abilities and neurocognitive function will serve as outcome measures. Functional and structural neuroimaging biomarkers of neural plasticity and learning (fMRI, GABA MRS, etc.) will measure intervention-associated alterations in specific brain regions impacted by cognitive aging.

2 P01 AA019072 (Monti, PI) \$110,695 9/01/2015-05/31/2021 1.2 CM

National Institute of Health NIAAA

Alcohol and HIV: Biobehavioral Interactions and Intervention

The goals of this program project are to study the effects of alcohol use on HIV disease progression, the effects of interventions to reduce alcohol use in HIV-infected populations, and the effects of alcohol on sexual decision making. The project also fosters multidisciplinary collaborations and training in research on alcohol and HIV and dissemination of research findings to clinicians treating addictions and HIV. Research Component 1 (Cohen, PI) is a continuation of the study being conducted in the parent ARCH, but will now examine the effects of reducing alcohol consumption via a motivational interviewing approach in HIV-infected heavy drinkers, with a specific focus on changes in cognitive performance, functional brain response on FMRI, and cerebral metabolite abnormalities (MRS).

1R01DK09933401A1 (Ronald Cohen, PI) \$349,225 6/25/2014 – 05/31/2021 .24 CM

National Institute of Health NIDDK

Obesity and Type-2 Diabetes: Bariatric Surgery Effects on Brain Function

The study will delineate mechanism underlying the effects of chronic obesity on brain functioning and determine if cognitive benefits of bariatric surgery and weight loss contribute to enhanced cerebral metabolic or hemodynamic function assessed using multimodal neuroimaging methods.

R01DA042069 (Cook, PI) \$20,093 08/15/2017 – 03/31/2022 .60 CM

National Institute of Health NIDA

Health outcomes and cognitive effects of marijuana use in people living with HIV/AIDS. The overarching goals of this study are to obtain evidence regarding the influence of marijuana on major health outcomes and behavior in PLWH in order to help guide clinical recommendations and identify risk factors for consequences.

R01DA042069 (Cook, PI) \$4505.00 04/12/2019 – 03/31/2022 .24 CM

National Institute of Health NIDA

Examining the relationship between the microbiome and cognitive function in HIV infected, cannabis users.

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U01AA020797 (Cook, Cohen, MPIs) \$63,200 09/01/2016 – 06/30/2021 1.4 CM
National Institute of Health NIAAA
Effects of experimentally-induced reduction alcohol use on cognitive and brain function in HIV-infected adults. This project examines the effects of reduced alcohol consumption on cognition and brain functioning among HIV infected people who are heavy drinkers. A contingency management approach is employed by which participants are given financial incentive in an escalating fashion the longer they go without drinking. Participants undergo cognitive and neuroimaging assessments at baseline (Pre-CM) and then at 30 days of CM and after completion of CM at 90 days. Follow up assessments are conducted one year post baseline.

U01AA026225 – (Barve, Cohen, Cook PI's) \$24,369 09/01/2018 – 08/31/2020 .96 CM
National Institute of Health NIAAA
This study examines the impact of abnormalities in the gut microbiome associated with HIV and heavy ETOH use. These biomarkers are examined relative to cognitive, neuroimaging, and clinical measures collected at three time points.

R011AG061065 (Barve, Cohen, Cook PI's) \$174,641 annual 10/01/2018 – 09/30/2023 1.0 CM
NIA: Microbiome study of HIV and aging
The Role of Gut Microbial Dysbiosis and Aging on HIV- associated neurocognitive and brain dysfunction
The project examines the microbiome on the interaction of age and HIV infection. The methods are similar to those employed in the 30-80 day study (longitudinal neuroimaging, cognitive assessment, biospecimens), but with a different cohort in which ETOH is not the basis for recruitment.

R21NR017749 (Kelly, PI) \$1,890.00 annual 09/27/2018 – 07/31/2020 .12CM
National Institute of Health NINR
Developing the Biobehavioral Foundation for Self-Management of Psychoneurological Symptoms in Hematopoietic Cell Transplant (HCT) Survivors
This research will study biobehavioral factors associated with PN symptoms to gain knowledge needed to provide a foundation for considering the development of a targeted dietary self-management interventions to mitigate PN symptoms of HCT and provide a basis for obtaining and maintaining optimal quality of life for HCT recipients.

PENDING – No Cost Extensions Pending

1R21HL140492-01 (Salmoirago-Blotcher, PI) \$10,733 5/25/2018 – 04/30/2020 .60CM
NHLBI Exploring the Role of Mindfulness Training In the Promotion of Medication Adherence In Heart Failure Outpatients. The goal of this project is to study the feasibility and possible mechanism of mindfulness training for the promotion of medication adherence in heart failure outpatients.

OVERLAP – None

Completed

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09/30/10-

5 P01 AA019072-02 (Peter Monti, PI)
08/31/15

"Alcohol and HIV: Biobehavioral Interactions and Intervention"

This study focuses on the interactive effects of HIV and alcohol use on metabolic-vascular disturbances underlying brain dysfunction.

Role: Principal Investigator of Substudy 20% effort

R01 NS080655 Thompson (PI) 8/1/2012-7/31/2016 1.20 CM
NINDS \$35,337

Predicting Brain Changes in HIV/AIDS

This project greatly advances the ability to map, and predict, brain changes in people living with HIV/AIDS. HIV/AIDS is perhaps the greatest threat to public health worldwide in the 21st century. 40 million people are HIV-infected - a shocking 1 out of every 100 people aged 18-45 - and 40% have some neurological or cognitive impairment. This work offers 3 immediate public health consequences: (1) new methods to predict whether a person with HIV/AIDS will show imminent brain decline; (2) enhancing basic neuroscience identifying brain circuits disrupted by the virus, and (3) a clear method to boost power for clinical trials of drugs to treat the brain in the millions of people now living with HIV/AIDS. Role: Co-Investigator

U24 AA022002 Cook (PI) 09/01/2013-08/31/2014 .36 CM

NIAAA \$6,313

Southern HIV Alcohol Research Consortium (SHARC) Admin and Research Support Cure
The objective of this proposal is to establish the administrative structure and to provide research support for the SHARC, a collaboration that links several universities and investigators with a common goal of supporting new research related to HIV and alcohol consumption.

Role: Co-I.

1U54EB020403-01 ENIGMA: Center for Worldwide Medicine, Imaging and Genomics PI:
Thompson, P

The **Enigma** Center for Worldwide Medicine, Imaging and Genomics is an unprecedented global effort by datasets, to work on 9 major human brain diseases: schizophrenia, bipolar disorder, major depression, AD and addictions. **Enigma** integrates images, genomes, connectomes and biomarkers on an unprecedented clustering, and learning from complex biodata types. **Enigma**, founded in 2009, performed the largest brain +207 authors, Nature Genetics, 2012) screening genomes and images at 125 institutions in 20 countries. Five Groups target key programmatic goals of BD2K funders across the NIH, including NIMH, NIBIB, NICH and FIC. **Enigma** creates novel computational algorithms and a new model for Consortium Science to revolutionize optimized. We unleash the power of sparse machine learning, and high dimensional combinatorics, to cluster multimodal brain images to discover diagnostic and prognostic markers. The sheer computational power of computation on Big Data leveraging US and non-US infrastructure, talents and data. Our projects will bet that help diagnosis and prognosis, and identify new mechanisms and drug targets. Our Data Science Research (1) Imaging Genomics, (2) Connectomics, and (3) Machine Learning & Clinical Prediction. Led by world packages (e.g., Jieping Ye/SLEP), we prioritize trillions of computations for gene-image clustering, distributed screen brain connections based on the Partition Problem in mathematics. Our **Enigma** Training Program connects other BD2K Centers, worldwide scientific exchanges. Challenge-based Workshops and hackathons to stimulate and engage scientists in Big Data science. **Dr. Cohen is a co-I (10% effort)** and director of HIV cohort.

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09/15/08-

5 R01 HL089311-04 (John Gunstad, PI)
11/30/12

NHLBI/Subcontract from Kent State

“Cognitive Benefits of Cardiac Rehabilitation in Heart Failure”

The main goal of this project will be to study CVD and its effects on the brain, and particularly how cardiac rehabilitation and the effects of vascular conditioning are influenced by the vascular CVD and systemic vascular disease factors. Role: Principal Investigator of Subcontract

5 P50 CA084719-11 (Jeanne McCaffery, PI of sub)

09/30/99-07/31/10

NCI/Subcontract from Butler Hospital

“Nicotine Dependence: Phenotype, Endophenotype & Contexts”

The major goal is to characterize the relationship of cigarette smoking to fMRI responses on smoking related tasks. Dr. Cohen's role is to provide expertise related to the functional imaging analyses and interpretation of data from these paradigms. Role: Co-Investigator

5 R01 HL084178-03 (Lawrence Sweet, PI)

01/25/07-

11/30/11

NHLBI/Subcontract from Butler Hospital

“Hemodynamic and Cognitive Function in Cardiovascular Disease”

This study aims at characterizing the relationship between cerebral hypoperfusion and abnormalities of BOLD on FMRI in association with working memory and attention performance among patients with heart failure.

Role: Principal Investigator of Subcontract

5 R01 DA020725-03 (Tara White, PI)

10/01/07-05/31/11

NIDA/Subcontract from Brown University

“Imaging Individual Differences in Amphetamine Effects”

This study examines the relationship between personality factors and response to risk and reward following intake of amphetamines.

Role: Principal Investigator of Subcontract

2 R56 DK075119-05A1 (John Gunstad, PI)

09/01/06-

08/31/12

NIDDK/Subcontract from Kent State

“Extended Effects of Bariatric Surgery on Cognitive Function”

This study examines the effects obesity and rapid loss of weight associated bariatric surgery.

Role: Principal Investigator of Subcontract

5U01 CA1503878-03 (Rena Wing, PI)

09/28/09-08/31/14

“Increasing Sleep Duration: A Novel Approach to Weight Control”

The purpose of the project is to translate the basic science on sleep duration into a novel intervention to reduce obesity and obesity-related co-morbidities.

Role: Co-Investigator

5 R34 DA031057-02 (Ronald Cohen, PI)

09/30/10-08/31/13

“Improving Adherence and Cognition in Substance-Using HIV Patients”

Substance abuse in the context of HIV infection is a major problem that affects clinical outcome and interferes with adherence to treatment regimens. This study examines the value of a computer-based cognitive training program (Vigorous Mind) to enhance attention and executive functioning as a means of

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improving organizational and planning ability and ultimately treatment adherence. The study focuses on further development of the program for use in this population and initial testing to determine its acceptability and whether a larger scale clinical trial is warranted.

Role: Principal Investigator

5 R01 MH074368-05 (Ronald Cohen, PI)

09/30/06–08/31/13

"Age Effects on HIV-Associated Brain Dysfunction"

The goal of this project is to achieve greater understanding of how HIV infection interacts with aging to cause brain abnormalities that affect neurocognitive functioning. Dr. Cohen oversees this entire project.

Role: Principal Investigator 20% effort

National Institute of Health (NIA RO1, 2000-2004) (Principal investigator) Neurocognitive effects of cardiovascular disease in the elderly. \$1,250,000

National Institute of Drug Abuse (ISTART grant) Co-Investigator, (Tara White, PI). An fMRI study of cocaine effects on impulsivity. \$100,000.

National Institute of Allergy and Infectious Diseases- Center For AIDS Research-Supplement (2001-2002).(Principal Investigator) HAART adherence and neurocognitive functioning among HIV-infected elderly. \$60,000). Supplemental developmental grant to the Brown University Center for AIDS Research (CFAR: PI-Charles Carpenter, MD).

National Institute of Health (Alzheimer's Disease Cooperative Study, 2000-2001) (Co-Investigator) A multicenter trial of rofecoxib and naproxen in Alzheimer's Disease \$60,000

Interneuron Pharmaceutical Corp. IP302-012, 1997-2000) (Principal Investigator), The effects of citicolinee in the treatment of vascular dementia \$198,000

Dupont Corp. (1987-1988), Grant # 404-024-5 (Co-Principal Investigator). Effect of Amantadine on MS associated fatigue (\$25,000).

Healy Grant (1989), UMMC. (Principal Investigator) The neurobehavioral characteristics of fatigue associated with Multiple Sclerosis (\$10,000)

NIH-BRSG (1991). UMMC. (Principal Investigator) Electrophysiological correlates of ADD subtypes (\$8,800)

Rhode Island Foundation (1994) Co-Investigator. The role of the Alzheimer's amyloid precursor protein in cerebral vascular disease. (\$4,411-animals & supplies).

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