

CURRICULUM VITAE
LAWRENCE H. SWEET

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EDUCATION

- B.A. University of Minnesota, Twin Cities, Minneapolis, MN: German Studies, 1992
- B.A. University of Minnesota, Twin Cities, Minneapolis, MN: Honors Psychology, *cum laude*, 1992
- M.S. Rosalind Franklin University of Medicine and Science, North Chicago, IL: Clinical Psychology, 1997
- Ph.D. Rosalind Franklin University of Medicine and Science, North Chicago, IL: Clinical Psychology, 2001

POSTGRADUATE TRAINING

- Internship Brown University Clinical Psychology Training Consortium, Providence, RI, 2000-2001
- Fellowship Brown University Clinical Psychology Training Consortium, Providence, RI, 2001-2003

POSTGRADUATE HONORS AND AWARDS

- 2011 Psychiatry Research Mentor Award, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University
- 2008 Psychology Research Mentor Award, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University
- 2004-2010 NIH Loan Repayment Program for Clinical Research (L30 DA024047 Brain Imaging in Neuropsychiatry)
- 2001-2003 Individual NIH National Research Service Award

ACADEMIC APPOINTMENTS

- 2010-present Associate Professor (Research), Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI
- 2003-2010 Assistant Professor (Research), Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI

HOSPITAL APPOINTMENTS

- 2010-present Director, Butler Hospital Neuroimaging Center, Providence, RI
- 2005-present Psychologist, Butler Hospital, Providence, RI
- 2003-2005 Psychologist, Miriam Hospital, Providence, RI
- 1998-2000 Behavior Therapist, Rogers Memorial Hospital, Oconomowoc, WI

OTHER APPOINTMENTS

- 2010, 2011 Reviewer, National Institute of Health Special Emphasis Panel ZRG1 BDCN-N
- 2007-present Faculty Member, Brown University Institute for Brain Sciences
- 2007 Reviewer, National Science Foundation Cognitive Neuroscience Program
- 2006, 2007, 2008 Reviewer, National Institute on Drug Abuse Special Emphasis Panel ZDA1
- 2004-present Reviewer: *Archives of Clinical Neuropsychology, Brain, Brain Research, Biological Psychiatry, Cerebral Cortex, Cortex, Human Brain Mapping, Journal of Integrative Neuroscience, Journal of the International Neuropsychological Society, Nicotine and Tobacco Research, Neuropsychopharmacology, Neuropsychology, Psychopharmacology, Social Neuroscience, Scandinavian Journal of Psychology*
- 2002-present Assistant Editor, Neuropsychology Central, www.neuropsychologycentral.com

HOSPITAL COMMITTEES

- 2007-present Member, Butler Hospital Institutional Review Board

UNIVERSITY COMMITTEES

- 2009-present Education, Safety, and Training Committee, Brown University Magnetic Resonance Imaging Research Facilities (Brown Institute for Brain Science)
- 2006-present Training Committee, Brown University Clinical Psychology Training Consortium
 - 2011-present Technology Subcommittee
 - 2008-2011 Neuropsychology Track Coordinator
 - 2006-present Neuropsychology Fellowship Coordinator
 - 2000-2001 Resident Admissions Representative

MEMBERSHIPS

- American Psychological Association, Member
- International Neuropsychological Society, Regular Member
- Organization for Human Brain Mapping, Full Member

PUBLICATION LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Sweet, LH, Primeau, M, Fichtner, C, and Lutz, G. Dissociation of affect recognition and mood state from blunting in patients with schizophrenia. *Psychiatry Research*. 1998 Dec 14;81(3):301-8.
2. Cohen RA, Paul R, Zawacki TM, Moser DJ, Sweet LH, Wilkinson H. Emotional and personality changes following cingulotomy. *Emotion*. 2001 Mar;1(1):38-50.
3. Paul, RH, Cohen, RA, Moser, D, Ott, B, Sethi, M, Sweet, LH, Browndyke, J, Malloy, P, Garrett, K. Clinical correlates of cognitive decline in vascular dementia. *Cognitive and Behavioral Neurology*. 2003 Mar;16(1):40-6.
4. Cohen RA, Brumm V, Zawacki TM, Paul R, Sweet LH, Rosenbaum A. Impulsivity and verbal deficits associated with domestic violence. *Journal of the International Neuropsychological Society*. 2003 Jul;9(5):760-70.
5. Paul RH, Cohen RA, Moser D, Browndyke J, Davis K, Gordon N, Sweet LH, Lawrence J, Zawacki T. Sensitivity of the Dementia Rating Scale in vascular dementia: Comparison between two sets of criteria to define cognitive impairment. *Cerebrovascular Diseases*. 2003;15(1-2):116-20.
6. Cohen RA, Browndyke JN, Moser DJ, Paul RH, Gordon N, and Sweet LH. Long-term citicoline (cytidine diphosphate choline) use in patients with vascular dementia: neuroimaging and neuropsychological outcomes. *Cerebrovascular Diseases*. 2003;16(3):199-204.
7. Sweet, LH, Paul, RH, Cohen, RA, Moser, D, Ott, B, Gordon, N, Browndyke, J, Shah P, and Garrett, K. 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*. 2003 Dec;16(4):240-4.
8. Sweet, LH, Rao, SM, Primeau, P, Mayer, A, and Cohen, RA. A FMRI study of verbal working memory among MS patients. *Journal of Neuroimaging*. 2004 Apr;14(2):150-7.
9. Sweet, LH, Paskavitz, JF, O'Connor, MJ, Browndyke, JN, Wellen, JW, and Cohen, RA. FMRI correlates of the WAIS-III Symbol Search subtest. *Journal of the International Neuropsychological Society*. 2005 Jul;11(4):471-6.
10. Cohen RA, Paul RH, Stroud L, Gunstad J, Hitsman BL, McCaffery J, Sweet LH, Niaura R, MacFarlane A, Bryant RA, Gordon E. Early life stress and adult emotional experience: an international perspective. *The International Journal of Psychiatry in Medicine*. 2006; 36(1):35-52.
11. Sweet, LH, Rao, SM, Primeau, M, Durgerian, S, and Cohen, RA. FMRI response to increased working memory demands among patients with Multiple Sclerosis. *Human Brain Mapping*. 2006 Jan;27(1):28-36.

12. Cohen RA, Grieve S, Hoth KF, Paul RH, Sweet LH, Tate D, Gunstad J, Stroud L, McCaffery J, Hitsman B, Niaura R, Clark CR, MacFarlane A, Bryant R, Gordon E, Williams LM. Early life stress and morphometry of the adult anterior cingulate cortex and caudate nuclei. *Biological Psychiatry*. 2006 May 15;59(10):975-82.
13. Keary TA, Gunstad J, Poppas A, Paul RH, Jefferson AL, Hoth KF, Sweet LH, Forman DE, Cohen RA. Blood pressure variability and Dementia Rating Scale performance in older adults with cardiovascular disease. *Cognitive and Behavioral Neurology*, 2007 Mar;20(1):73-7.
14. Haley AP, Sweet LH, Gunstad J, Forman DE, Poppas A, Paul RH, Tate DF, Cohen RA. Verbal working memory and atherosclerosis in patients with cardiovascular disease: an fMRI study. *Journal of Neuroimaging*. 2007 Jul;17(3):227-33.
15. Felver-Gant JC, Bruce AS, Zimmerman M, Sweet LH, Millman RP, Aloia MS. Working memory in obstructive sleep apnea: construct validity and treatment effects. *Journal of Clinical Sleep Medicine*. 2007 Oct 15;3(6):589-94.
16. Haley, AP, Forman, DE, Poppas, A, Hoth, KF, Gunstad, J, Jefferson, AL, Paul, RH, Ler, ASH, Sweet, LH, Cohen, RA. Carotid artery intima-media thickness and cognition in cardiovascular disease. *The International Journal of Cardiology*. 2007 Oct 1;121(2):148-54.
17. David, SP, Munafò, MR, Johansen-Berg, H, Sweet, LH, Cohen, RA, Niaura, RA, Rogers, RA, Matthews, PM, Walton, RT. Effects of acute nicotine abstinence on cue-elicited ventral striatum/nucleus accumbens activation. *Brain Imaging and Behavior*. 2007 Dec;1(3-4):43-57.
18. Paul, RH, Grieve, SM, Niaura, R, David, SP, Laidlaw, D, Cohen, R, Sweet, LH, Taylor, G, Clark, CR, Pogun, S, Gordon, E. Chronic cigarette smoking and the microstructural integrity of white matter in healthy adults: a diffusion tensor imaging study. *Nicotine and Tobacco Research*. 2008 Jan;10(1):137-47.
19. Sweet, LH, Paskavitz, JF, Haley, AP, Gunstad, JJ, Nyalakanti, PK, Cohen, RA. Imaging phonological similarity effects in verbal working memory. *Neuropsychologia*. 2008 Mar 7;46(4):1114-23.
20. Browndyke, JN, Tucker, KA, Sweet, LH, Paskavitz, J, Cohen, R, Welsh-Bohmer, KA, Burke, JR, Cabeza, R, Schmechel, DE. Neuroanatomical correlates of malingered memory impairment: event-related fMRI of deception on a recognition memory task. *Brain Injury*. 2008 Jun;22(6):481-9.
21. Haley, AP, Gunstad, J, Cohen, RA, Jerskey, BA, Mulligan, RC, and Sweet, LH. Neural correlates of visuospatial working memory in healthy young adults at risk for hypertension, *Brain Imaging and Behavior*. 2008; Jun;2(3):192-199.
22. Cohen, RA, Poppas, A, Forman, D, Hoth, KF, Haley, AP, Gunstad, JJ, Jefferson, AL, Tate, DF, Paul, RH, Sweet, LH, Ono, M, Jerskey, BA, Gerhard-Herman, M. Vascular and cognitive functions associated with cardiovascular disease in the elderly. *Journal of Clinical and Experimental Neuropsychology*. 2009 Jan;31(1):96-110.

23. Jerskey, BA, Cohen, RA, Jefferson, AL, Hoth, KF, Haley, AP, Gunstad, JJ, Forman, DE, Sweet, LH, and Poppas, A. Sustained attention associated with systemic reduction of blood flow. *Journal of the International Neuropsychological Society*. 2009 Jan;15(1):137-41.
24. Stanek KM, Gunstad J, Paul RH, Poppas A, Jefferson AL, Sweet LH, Hoth KF, Haley AP, Forman DE, Cohen RA. Longitudinal cognitive performance in older adults with cardiovascular disease: evidence for improvement in heart failure. *Journal of Cardiovascular Nursing*. 2009 May-Jun;24(3):192-7.
25. Irani, F, Sweet, LH, Haley, AP, Gunstad, JJ, Jerskey, BA, Mulligan, RC, Jefferson, A, Poppas, A, Cohen, RA. An fMRI study of verbal working memory, cardiac output and ejection fraction in elderly patients with cardiovascular disease. *Brain Imaging and Behavior*. 2009; Aug;3(4):350-357.
26. Gunstad J, Benitez A, Hoth KF, Spitznagel MB, McCaffery J, McGeary J, Kakos LS, Poppas A, Paul RH, Jefferson AL, Sweet LH, Cohen RA. P-selectin 1087G/A polymorphism is associated with neuropsychological test performance in older adults with cardiovascular disease. *Stroke*. 2009 Sep;40(9):2969-72.
27. McCaffery JM, Haley AP, Sweet LH, Phelan S, Raynor HA, Del Parigi A, Cohen R, Wing RR. Differential functional magnetic resonance imaging response to food pictures in successful weight-loss maintainers relative to normal-weight and obese controls. *American Journal of Clinical Nutrition*. 2009 Oct;90(4):928-34.
28. Gunstad, J, Keary, T, Poppas, A, Paul, R, Jefferson, A, Sweet, L, Hoth, K, Haley, A, Forman, D, Cohen, R. Blood pressure and cognitive function in older adults with cardiovascular disease. *International Journal of Neuroscience*. 2009;119(12):2228-42.
29. Haley, AP, Hoth, KF, Gunstad, J, Paul, RH, Jefferson, AL, Tate, DT, Ono, M, Jerskey, BA, Poppas, A, Sweet, LH, Cohen, RA. Subjective cognitive complaints relate to white matter hyperintensities and future cognitive decline in patients with cardiovascular disease. *American Journal of Geriatric Psychiatry*. 2009 Nov;17(11):976-85.
30. Aloia MS, Sweet LH, Jerskey BA, Zimmerman M, Todd Arnedt J, Millman RP. Treatment effects on brain activity during a working memory task in obstructive sleep apnea. *Journal of Sleep Research*. 2009 Dec;18(4):404-10.
31. Phelan S, Hassenstab J, McCaffery JM, Sweet LH, Raynor HA, Cohen RA, Wing RR. Cognitive interference from food cues in weight loss maintainers, normal weight, and obese individuals. *Obesity (Silver Spring)*. 2011 Jan;19(1):69-73.
32. Paskavitz, J, Sweet, LH, Wellen, J, Helmer, K, Cohen, R. Recruitment and Stabilization of brain activation within a working memory task; an FMRI study. *Brain Imaging and Behavior*. 2010 Mar;4(1):5-21.
33. Sweet, LH, Mulligan, RC, Finnerty, C, Jerskey, BA, Cohen, R, and Niaura, R. Effects of nicotine withdrawal on verbal working memory. *Psychiatry Research Neuroimaging*. 2010 Jul 30;183(1):69-74.
34. Okonkwo, OC, Alosco, ML, Jerskey, BA, Sweet, LH, Ott, BR, Tremont, G, and the Alzheimer's Disease Neuroimaging Initiative. Cerebral atrophy, APOE4, and rate of

- functional decline in amnesic mild cognitive impairment. *Alzheimer's and Dementia*. 2010 Sep;6(5):404-11.
35. Sweet, LH, Vanderhill, SD, Jerskey, BA, Gordon, N, Paul, RH, Cohen, RA. Subvocal articulatory rehearsal during verbal working memory in multiple sclerosis. *Neurocase*. 2010 Oct;16(5):418-25.
 36. Alosco ML, Spitznagel MB, Raz N, Cohen R, Sweet LH, van Dulmen M, Colbert LH, Josephson R, Waechter D, Hughes J, Rosneck J, Gunstad J. Cognitive reserve moderates the association between heart failure and cognitive impairment. *Journal of Clinical and Experimental Neuropsychology*. 2012 Jan;34(1):1-10.
 37. Sweet, LH, Jerskey, BA, Aloia, MS. default network response to a verbal working memory challenge after withdrawal of continuous positive airway pressure treatment for obstructive sleep apnea. *Brain Imaging and Behavior*. 2011 Jan;19(1):69-73.
 38. MacKillop, J, Amlung, MT, Few, LR, Ray, LA, Sweet, LH, Munafò, MR. Delayed reward discounting and addictive behavior: a meta-analysis. *Psychopharmacology* (Berlin). 2011 Aug;216(3):305-21.
 39. Miller, LA, Gunstad, J, Spitznagel, MB, McCaffery, J, McGeary, J, Poppas, A, Paul, RH, Sweet, LH, Cohen, RA. CAMTA1 T polymorphism is associated with neuropsychological test performance in older adults with cardiovascular disease. *Psychogeriatrics*. 2011 Sep;11(3):135-40.
 40. Friedman, JH, Abrantes, A, Sweet, LH. Fatigue in Parkinson's disease. *Expert Opinion on Pharmacotherapy*. 2011 Sep;12(13):1999-2007.
 41. Mulligan RC, Knopik VS, Sweet LH, Fischer M, Seidenberg M, Rao SM. Neural correlates of inhibitory control in adult attention deficit/hyperactivity disorder: Evidence from the Milwaukee longitudinal sample. *Psychiatry Research: Neuroimaging*. 2011 Nov 30;194(2):119-29.
 42. Garcia, S, Spitznagel, M, Cohen, R, Raz, N, Sweet, L, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. Depression is associated with cognitive dysfunction in older adults with heart failure. *Cardiovascular Psychiatry and Neurology*. Epub 2011 Dec 13.
 43. Alosco, ML, Spitznagel, MB, Raz, N, Cohen, R, Sweet, LH, Colbert, LH, Josephson, R, Waechter, D, Hughes, J, Rosneck, J, Gunstad, J. The 2-minute step test is independently associated with cognitive function in older adults with heart failure. *Aging Clinical and Experimental Research*. 2011 Dec 19. [Epub ahead of print].
 44. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Colbert LH, Josephson R, Waechter D, Hughes J, Rosneck J, Gunstad J. Cognitive impairment is independently associated with reduced instrumental activities of daily living in persons with heart failure. *Journal of Cardiovascular Nursing*. 2012 Jan-Feb;27(1):44-50.
 45. MacKillop, J, Brown, CL, Stojek, MK, Murphy, CM, Sweet, LH, Niaura, RS. Behavioral Economic Analysis of Withdrawal- and Cue-elicited Craving for Tobacco: An Initial Investigation, *Nicotine and Tobacco Research*. 2012 Mar 13 [Epub ahead of print].

46. Garcia S, Alosco ML, Spitznagel MB, Cohen R, Raz N, Sweet L, Colbert L, Josephson R, Hughes J, Rosneck J, Gunstad J. Poor sleep quality and reduced cognitive function in persons with heart failure. *International Journal of Cardiology*. 2012 Apr 19;156(2):248-9.
47. Miller, LA, Spitznagel, MB, Alosco, ML, Cohen, RA, Raz, N, Sweet, LH, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, & Gunstad, J. Cognitive profiles in heart failure: a cluster analytic approach. *Journal of Clinical and Experimental Neuropsychology*. 2012 Jun;34(5):509-20.
48. Alosco, ML, Spitznagel, MB, Miller, L, Raz, N, Cohen, R, Sweet, LH, Colbert, LH, Josephson, R, Waechter, D, Hughes, J, Rosneck, J, Gunstad, J. Depression is associated with reduced physical activity in persons with heart failure. *Health Psychology*. In press.
49. MacKillop, J, Amlung, M, Wier, L, David, SP, Ray, LA, Bickel, WK, Sweet, LH. The neuroeconomics of nicotine dependence: An fMRI study of delay discounting in nicotine dependent adults. *Psychiatry Research: Neuroimaging*. In press.
50. Hassenstab, JJ, Sweet, LH, McCaffery, J, Demos, K, Cohen, R, Del Parigi, A, Wing, RR. Cortical thickness of the cognitive control network in obesity and successful weight loss maintenance: A preliminary MRI study. *Psychiatry Research: Neuroimaging*. In press.
51. Alosco, M, Spitznagel, M, van Dulmen, M, Raz, N, Cohen, R, Sweet, L, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. Reduced Cognitive Function is Associated with Poorer Adherence among Older Adults with Heart Failure. *Journal of Cardiovascular Nursing*. In press.
52. Keary TA, Gunstad, J, Benitez, A, Spitznagel, M, McCaffery, J, McGeary, J, Poppas, A, Paul, RH, Sweet, LH, Cohen, RA. TCFL7L2 polymorphism is associated with neuropsychological test performance in older adults with cardiovascular disease. *Psychogeriatrics*. In press.
53. Clark, US, Cohen, RA, Gongvatana, A, Sweet, LH, Hana, GN, Westbrook, ML, Devlin, KN, Mulligan, RC, Jerskey, BA, White, TL, Tashima, KT. Effects of HIV and early life stress on amygdala morphometry and neurocognitive function. *Journal of the International Neuropsychological Society*. In press.
54. Alosco, ML, Spitznagel, MB, van Dulmen, M, Raz, N, Cohen, R, Sweet, L, Colbert, LH, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. The Additive Effects of Type 2 Diabetes on Cognitive Function in Older Adults with Heart Failure. *Cardiology Research and Practice*. In press.
55. Knecht, K, Alosco, ML, Spitznagel, MB, Cohen, R, Raz, N, Sweet, L, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. Sleep apnea and cognitive function in heart failure. *Cardiovascular Psychiatry and Neurology*. In press.
56. Alosco, ML, Benitez, A, Gunstad, J, Spitznagel, MB, McCaffery, JM, McGeary, JE, Poppas, A, Paul, RH, Sweet, LH, Cohen, RA. Reduced memory in Fat Mass and Obesity Associated (FTO) allele carriers among older adults with cardiovascular disease. *Psychogeriatrics*. In press.

57. Sweet, LH, Hassenstab, J, McCaffery, JM, Haley, AP, Bond, D, Raynor, HA, Del Parigi, A, Cohen, R, Wing, RR. Brain response to food stimulation in obese, normal weight, and successful weight loss maintainers. *Obesity*. In press.

PATENT

Paskavitz, J and Sweet, LH. Spatial Evolution of Neural Activity. *United States Patent* 20050053550, 2005.

BOOK

Cohen, RA and Sweet, LH (Editors). *Brain Imaging in Behavioral Medicine and Clinical Neuroscience*, Springer, New York, 2011.

BOOK CHAPTERS

1. Cohen, RA, Sweet, LH, Tate, D, and Fischer, M. Functional brain imaging in cerebrovascular disease. In Paul, R, Cohen, R, Ott, B and Salloway, S (Editors). *Vascular Dementia: Mechanisms and Clinical Management*. 2004, Humana Press, New York.
2. Cohen, RA, Salloway, S, Sweet, LH. Neuropsychiatric aspects of disorders of attention. In SC Yudofsky and RE Hales (Editors). *Textbook of Neuropsychiatry*. 2008, American Psychiatric Press, Washington, DC.
3. Sweet, LH and Haley, AP. Functional magnetic resonance imaging in patients with cardiovascular disease. In Cohen, RA, and Gunstad, JJ (Editors). *Brain Function in Cardiovascular Disease*. 2010, Oxford, New York.
4. Sweet, LH. Functional magnetic resonance imaging. In Cohen, RA, and Sweet, LH (Editors). *Brain Imaging in Behavioral Medicine and Neuropsychology*. 2011, Springer, New York.
5. Sweet, LH and Vanderhill, SD. Multiple Sclerosis. In Cohen, RA, and Sweet, LH (Editors). *Brain Imaging in Behavioral Medicine and Neuropsychology*. 2011, Springer, New York.
6. David, SP, Sweet, LH, Cohen, R., Mulligan, RC, and Niaura, R. Application of functional neuroimaging to examination of nicotine dependence. In Cohen, RA, and Sweet, LH (Editors). *Brain Imaging in Behavioral Medicine and Neuropsychology*. 2011, Springer, New York.
7. Sweet, LH, MacKillop, J, Amlung, M. Functional Neuroimaging in Addictions Research. In J MacKillop and H de Wit (Editors). *The Wiley-Blackwell Handbook of Addiction Psychopharmacology*. Wiley-Blackwell, New York. In press.

ENCYCLOPEDIA CONTRIBUTIONS

1. Sweet, LH and Jerskey, BA. Working Memory. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2010, Springer, New York.
2. Sweet, LH. Default Network. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2010, Springer, New York.

3. Sweet, LH. N-Back Paradigm. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2010, Springer, New York.
4. Sweet, LH. Information Processing Speed. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2010, Springer, New York.
5. Sweet, LH. Symbol Search. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2010, Springer, New York.

MANUSCRIPTS IN PEER REVIEW

1. Sweet, LH, Jerskey, BA, Hassenstab, JJ, Cote, DM. Suppression of the default network in response to a working memory challenge. Submitted to *Cortex*.
2. Gregory, MD, Ottowitz, WE, Sweet, LH, and LaFrance, WC. Acute effects of cortisol on default mode network connectivity: A resting state fMRI study. Submitted to *Cortex*.
3. Philip, NS, Sweet, LH, Tyrka, AR, Price, LH, Carpenter, LL, Niaura, RS. The effect of early life stress on the default network in healthy controls. Submitted to *Psychiatry Research: Neuroimaging*.
4. Alosco, M, Spitznagel, M, van Dulmen, M, Raz, N, Cohen, R, Sweet, L, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. Dietary Habits Moderate the Association between Heart Failure and Cognitive Impairment. Submitted to *Psychogeriatrics*.
5. Alosco, M, Brickman, A, Spitznagel, M, van Dulmen, M, Raz, N, Cohen, R, Sweet, L, Colbert, L, Josephson, R, Hughes, J, Rosneck, J, Gunstad, J. The Independent Association of Hypertension with Cognitive Function among Older Adults with Heart Failure. Submitted to *Journal of Human Hypertension*.
6. White, TL, Cohen, RA, Clark, US, de Wit, H, Sweet, LH, Lejuez, CW, Park, HS. An incentive view of anger: Social potency, risk and money. Submitted to *Neuron*.
7. Xu, X, Jerskey, BA, Cote, DM, Walsh, EG, Hassenstab, JJ, Ladino, M, Clark, US, Labbe, D, Gunstad, JJ, Poppas, A, Cohen, RA, Hoge, RD, and Sweet, LH. Cerebrovascular Perfusion among Older Adults is Moderated by Strength Training and Gender. Submitted to *Journal of Aging and Physical Activity*.

PUBLICATIONS IN PREPARATION

1. Sweet, LH, Jerskey, BA, Mulligan, RC, Knopic, V, McCaffery, J, David, SP, MacKillop, J., Niaura, RS. Variation in dopaminergic alleles in relation to working memory in current, former and never smokers.
2. Xu, X, Ware, J, Clark, US, Jerskey, BA, Mulligan, RC, Knopic, V, McCaffery, J, MacKillop, J, David, SP, Sweet, LH, Niaura, RS. DRD4 genotype moderates smoking-related cue induced activation.
3. Spitznagel, M, Gunstad, J, Jerskey, BA, Hoge, R, Walsh, E, Clark, US, Cote, DM, Cohen, RA, Sweet, LH. Effects of body mass index on brain perfusion and cognitive function in cardiovascular disease.

4. Paskavitz, JF, Jerskey, BA, Samuel, J, Sweet, LH. Deactivations during working memory distinguishes multiple sclerosis patients from controls.
5. Paskavitz, JF, Samuel, J, Sweet, LH, Deduck, K. Prediction of treatment response in alzheimer's using functional MRI.
6. Amlung, M, Sweet, LH, Acker, J, Brown, CL, MacKillop, J. The Neuroeconomics of Delay Discounting in Alcohol Use Disorders.

PRESENTATIONS AND ABSTRACTS

1. Machulda, M, Sweet, LH, Bergquist, T, and Ito, V. Symptom complaint following minor head injury. Presentation to the 24th annual meeting of the International Neuropsychological Society, Chicago, Illinois, February, 1996. *Journal of the International Neuropsychological Society*, 1996, 2 (1), 11.
2. Bobholz, J, Rao, S, Seidenberg, M, Sweet, LH, Patterson, K, Bernardin, L, Binder, J, and Lobeck, L. Cognitive decline in MS: An 8-year longitudinal study. Presentation to the 26th annual meeting of the International Neuropsychological Society, Honolulu, Hawaii. February, 1998. *Journal of the International Neuropsychological Society*, 1998, 4 (1), 65.
3. Sweet, LH, Primeau, M, Fichtner, C, and Lutz, G. Dissociation of affect recognition and mood state from blunting in patients with schizophrenia. Presentation to the 28th annual meeting of the International Neuropsychological Society, Denver, Colorado, February, 2000. *Journal of the International Neuropsychological Society*, 2000, 6 (2), 216.
4. Riemann, B, Reschke, J, Mayer, A, Regnery, J, Sweet, LH, and Kobek, K. Efficacy of Residential Treatment for Severe Obsessive-Compulsive Disorder. Presentation to the 20th annual conference of the Anxiety Disorder Association of America, March 2000.
5. Garavan, H, Fassbender, C, Murphy, K, Sweet, LH, Rao, S, and Stein, E. Quantitative age-related differences in functional recruitment in a working memory task. Presentation to the 7th annual meeting of the Organization for Human Brain Mapping, Brighton, England, June 2001. *Neuroimage*, 2001, 13 (6), S404.
6. Zawacki, T, Sweet, LH, Paul, R, Moser, D, and Cohen, R. SPECT correlates of apathy in patients with vascular dementia. Presentation to the 30th annual meeting of the International Neuropsychological Society, Toronto, Canada, February, 2002. *Journal of the International Neuropsychological Society*, 2002, 8 (2), 276.
7. Browndyke, J, Tucker, K, Sweet, LH, Paul, R, and Cohen, R. The effects of gender and time on regional cortical perfusion in vascular dementia patients. Presentation to the 22nd annual meeting of the National Academy of Neuropsychology, Miami, Florida, October 2002. *Archives of Clinical Neuropsychology*, 2002, 17 (8), 747.
8. Sweet, LH, Paul, RH, Browndyke, J, and Cohen RA. Neuroimaging correlates of Dementia Rating Scale performance at baseline and 12-month follow-up among patients with vascular dementia. Presentation to the 22nd annual meeting of the National Academy of Neuropsychology, Miami, Florida, October 2002 *Archives of Clinical Neuropsychology*, 2002, 17 (8), 762.

9. Wellen, J, Sweet, LH, Helmer, K, Cohen, R, Sotak, C, and Paskavitz, J. Dynamic Changes in Neural Network Activation Patterns during Sustained Motor and Cognitive Tasks Observed with fMRI. Presentation to the 11th annual meeting of the International Society for Magnetic Resonance in Medicine, July, 2003, Toronto, Canada.
10. Paskavitz, J, Sweet, LH, Wellen, J, and Cohen, R. Dynamic changes in brain volumes of activation during sustained working memory observed with FMRI. Presentation to the 31st annual meeting of the International Neuropsychological Society, Honolulu, Hawaii, February, 2003. *Journal of the International Neuropsychological Society*, 2003, 9 (2), 321.
11. Sweet, LH, Wellen, J, Cohen, R, and Paskavitz, J. A FMRI study of the word similarity effect. Presentation to the 31st annual meeting of the International Neuropsychological Society, Honolulu, Hawaii, February, 2003. *Journal of the International Neuropsychological Society*, 2003; 9 (2), 323.
12. Sweet, LH, Rao, SM, Primeau, P, Mayer, A, and Cohen, RA. A FMRI study of verbal working memory among MS patients. Presentation to the 26th annual mid-year meeting of the International Neuropsychological Society and the German Society for Neuropsychology (Gesellschaft für Neuropsychologie), Berlin, Germany, July 2003. *Journal of the International Neuropsychological Society*, 2003, 9 (4), 579.
13. Paskavitz, J, Sweet, LH, Wellen, J, Helmer, K, and Cohen, R. The Role of the Medial Thalamus in Working Memory; an fMRI study. Presentation to the 9th annual meeting of the Organization for Human Brain Mapping, New York, New York, June 2003. *NeuroImage*, 2003, 19 (2), S497.
14. Cohen R, Sweet, LH, David, SP, Niaura, R. Nicotine satiation and abstinence effects on fMRI brain activation during verbal working memory. Presentation to the 10th annual meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, Arizona, February 2004.
15. Gunstad, J, Brickman, A, Paul R, Cohen, R, Moser, D, Ott, B, Gordon, N, Jefferson, A, Tate, D, Sweet, LH. Progressive cognitive decline in vascular dementia subtypes. Presentation to the 32nd annual meeting of the International Neuropsychological Society, Baltimore, Maryland, February, 2004. *Journal of the International Neuropsychological Society*, 2004, 11 (S1), 72.
16. White, TL, Swift, RM, Cohen, RA, and Sweet, LH. Amphetamine effects on amygdala responses to affective pictures in healthy volunteers. Presentation to the annual meeting of the American College of Neuropsychopharmacology, Honolulu, Hawaii, 2004. *Neuropsychopharmacology*, 2005, 30, S216.
17. Browndyke, J, Sweet, LH, Wellen, J, O'Connor, M, Tucker, K, Gunstad, J, Cohen, R, and Paskavitz, J. Knowing what you know and don't know: dissociable temporal and frontal lobe activity associated with recognition memory subtype. Presentation to the 32nd annual meeting of the International Neuropsychological Society, Baltimore, Maryland, February, 2004. *Journal of the International Neuropsychological Society*, 2004, 10 (S1), 33.
18. Aloia, M, Sweet, LH, Riggs, R, Arnedt, J, Smith, L. The effects of CPAP treatment on working memory and MR signal in sleep apnea. Presentation to the 32nd annual meeting of

- the International Neuropsychological Society, Baltimore, Maryland, February, 2004. *Journal of the International Neuropsychological Society*, 2004, 10 (S1), 64.
19. White, TL, de Wit, H, Cohen, RA, Sweet, LH, Swift, RM. Imaging d-amphetamine effects in healthy volunteers: Drug effects on fMRI brain responses to a novel impulsivity/risk task (BART). Invited Young Investigators Poster Session, NIDA satellite mini-convention "Frontiers in Addiction Research". San Diego. Oct 2004.
 20. White, TL, de Wit, H, Cohen, RA, Sweet, LH, Swift, RM. Imaging d-amphetamine effects in healthy volunteers: Drug effects on fMRI brain responses to a novel impulsivity/risk task (BART). Presentation to the Society for Neuroscience, 2004, Washington, DC, 2004, Program No. 236.5.
 21. Sweet, LH, Paskavitz, JF, O'Connor, MJ, Browndyke, JN, Wellen, JW, and Cohen, RA. FMRI Correlates of the WAIS-III Symbol Search Subtest. Presentation to the 33rd annual meeting of the International Neuropsychological Society, St. Louis, Missouri, February, 2005. *Journal of the International Neuropsychological Society*, 2005, 11 (S1), 28.
 22. Sweet, LH, Rao, SM, Primeau, M, Durgerian, S, and Cohen, RA. FMRI response to increased working memory demands among patients with Multiple Sclerosis. Presentation to the 33rd annual meeting of the International Neuropsychological Society, St. Louis, Missouri, February, 2005. *Journal of the International Neuropsychological Society*, 2005, 11 (S1), 73.
 23. Sweet, LH, Gunstad, J, MacGregor, K, Paul, R, and Cohen, R. Age-related. FMRI activation differences among older adults during a difficult verbal working memory task. Presentation to the 33rd annual meeting of the International Neuropsychological Society, St. Louis, Missouri, February, 2005. *Journal of the International Neuropsychological Society*, 2005, 11 (S1), 2.
 24. Paskavitz, J, Sweet, LH, Helmer, K, Samuel, J, Krams, M. Medial Frontal Lobe Functional Connectivity Predicts Response to Galantamine in Alzheimer's Disease. Presentation to the 11th annual meeting of the Organization for Human Brain Mapping, Toronto, Canada, June 2005. *NeuroImage*, 2005, 26, S1, 56.
 25. White, T, Cohen, R, Sweet, LH. Individual differences in fMRI brain responses to d-amphetamine in healthy volunteers using a novel impulsivity/risk task (BART). Presentation to the 11th annual meeting of the Organization for Human Brain Mapping, Toronto, Canada, June 2005. *NeuroImage*, 2005, 26, S1, S26.
 26. Gunstad, J, Sweet, LH, Paul, R, Poppas, A, Tate, D, MacGregor, K, and Cohen, R. Reduced fMRI Activation and Task Performance in Cardiovascular Disease. Presentation to the 11th annual meeting of the Organization for Human Brain Mapping, Toronto, Canada, June 2005. *NeuroImage*, 2005, 26, S1, S56.
 27. Aloia M, Sweet LH, Zimmerman M, Arnedt JT, Harris S, Skrekas, J. The Effects of Treatment for Sleep Apnea on Brain Activity during a Working Memory Task. Presentation to the 34th annual meeting of the International Neuropsychological Society, Boston, Massachusetts, February, 2006. *Journal of the International Neuropsychological Society*, 2006, 12 (S1), 130.

28. Browndyke, JN, Sweet, LH, Tucker, K, Paskavitz, J, Cohen, R, Welsh-Bohmer, K, Schmechel, D, and Burke, J. Neural Correlates of Malingered Memory Errors. Presentation to the 34th annual meeting of the International Neuropsychological Society, Boston, Massachusetts, February, 2006. *Journal of the International Neuropsychological Society*, 2006, 12 (S1), 14.
29. Trittschuh, E, Sweet, LH, Tate, D, Rao, S, Cohen, R. Decreased gray matter volume among MS patients in regions identified with fMRI. Presentation to the 34th annual meeting of the International Neuropsychological Society, Boston, Massachusetts, February, 2006. *Journal of the International Neuropsychological Society*, 2006, 12 (S1), 137.
30. Paster, R, Stroud, LR, Hitsman, B, Cohen, R, McCaffery, J, Paul, R, Sweet, LH, Buka, S, Niaura, R. Early life stress influences smoking persistence but not initiation: The New England Family Study. Presentation to the 12th annual meeting of the Society for Research on Nicotine and Tobacco, Orlando, Florida, February, 2006.
31. Haley, A, Sweet, L, Poppas, A, Forman, D, Gunstad, J, Paul, R, and Cohen, R. Verbal Working Memory and Cardiovascular Disease: an fMRI study. Presentation to the 14th annual meeting of the International Society for Magnetic Resonance in Medicine, May, 2006, Seattle, Washington.
32. Sweet, LH, Paskavitz, JF, Haley, AP, Gunstad, JJ, Nyalakanti, P, Cohen, R. Imaging phonological similarity effects in verbal working memory. Presentation to the 13th annual meeting of the Organization for Human Brain Mapping, Chicago, Illinois, June 2007. *Neuroimage*, 2007, 36, S1, S26.
33. Ono, M, Haley, AP, Hoth, KF, Poppas, A, Gunstad, JJ, Sweet, LH, Cohen, RA. Cognitive decline among patients with coronary artery disease. Presentation to the 35th annual meeting of the International Neuropsychological Society, Portland, Oregon, February, 2007. *Journal of the International Neuropsychological Society*, 2007, 13 (S1), 58.
34. Felper-Gant JC, Bruce AS, Zimmerman M, Sweet LH, Millman RP, Aloia MS. Working memory in obstructive sleep apnea: construct validity and treatment effects. Presentation to the 35th annual meeting of the International Neuropsychological Society, Portland, Oregon, February, 2007. *Journal of the International Neuropsychological Society*, 2007, 13 (S1), 120.
35. Haley, AP, Hoth, KF, Gunstad, JJ, Paul RH, Jefferson, AL, Poppas, A, Forman, DE, Tate, DF, Sweet, LH, Ono, M, Jerskey, BA, Cohen, RA. Reported Cognitive Dysfunction at Baseline Predicts Global Cognitive Decline at One Year Follow-up in Patients with Cardiovascular Disease. Presentation to the 35th annual meeting of the International Neuropsychological Society, Portland, Oregon, February, 2007. *Journal of the International Neuropsychological Society*, 2007, 13 (S1), 225.
36. Haley, AP, Gunstad, J, Cohen, RA, Jerskey, BA, Mulligan, RC, and Sweet, LH. Neural correlates of visuospatial working memory in healthy young adults at risk for hypertension. Presentation to the 26th annual mid-year meeting of the International Neuropsychological Society and the Spanish Neuropsychological Society (Sociedad Espanola de Neuropsicologia), Bilbao, Spain, July 2007. *Journal of the International Neuropsychological Society*, 2007, 13 (S2), 84, 2007.

37. Paskavitz, JF, Samuel, J, Sweet, LH, Deduck, K. Predicting Treatment Response in Alzheimer's Using fMRI. Presentation to the 11th annual International Conference on Alzheimer's Disease, Chicago, IL, 2008. *Alzheimer's and Dementia*, 4 (4), T383-T384.
38. Irani, F, Sweet, LH, Haley, AP, Gunstad, JJ, Jersky, BA, Mulligan, RC, Poppas, A, Cohen, RA. An fMRI Study of Verbal Working Memory, Cardiac Output and Ejection Fraction in Elderly Patients with Cardiovascular Disease. Presentation to the 36th annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii, February, 2008. *Journal of the International Neuropsychological Society*, 2008 14 (S1), 85.
39. Mulligan, RC, Haley, AP, Jerskey, BA, Irani, F, Poppas, A, Sweet, LH, and Cohen, RA. Endothelial Function Predicts fMRI Activity in the Medial Prefrontal Cortex. Presentation to the 36th annual meeting of the International Neuropsychological Society, Waikoloa, Hawaii, February, 2008. *Journal of the International Neuropsychological Society*, 2008, 14 (S1), 48.
40. McCaffery, J, Haley, A, Sweet, L, Phelan, S, Raynor, H, Del Parigi, A, Cohen, R, Wing, R. Differential brain responses to food pictures in successful weight losers compared with normal weight and obese individuals. Presented at the annual meeting of the Obesity Society, Phoenix, AZ, October, 2008. *Obesity*, 2008, 16 (S1), 65.
41. Sweet, LH, Mulligan, RC, Finnerty, C, Jerskey, BA, Cote, D, Clark, U, David, S, Cohen, R, and Niaura, R. Effects of nicotine on working memory and associated brain activity. Presentation to the 27th annual mid-year meeting of the International Neuropsychological Society and Society and the Argentinean Neuropsychological Society (Sociedad de Neuropsicología de Argentina), Buenos Aires, Argentina, July 2007. *Journal of the International Neuropsychological Society*, 2008, 14 (S2), 19.
42. Sweet, LH, Cote, D, Rao, SM, Trittschuh, E, Jerskey, BA, Mulligan, RC, and Paskavitz, J. Cortical thickness mediates relationships between lesion area and verbal working memory performance in Multiple Sclerosis. Presented at the 14th annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June, 2008. *Neuroimage*, 2008, 41 (S1), S163.
43. Paskavitz, J, Sweet, LH, Samuel, J. Deactivations during Working Memory Distinguishes Multiple Sclerosis Patients from Controls. Presented at the 14th annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June, 2008. *Neuroimage*, 2008, 41 (S1), S5.
44. Benitez, A, Gunstad, J, Hoth, KF, McCaffery, J, McGeary, J, Kakos, LS, Poppas, A, Paul, RH, Jefferson, AL, Sweet, LH, Cohen, RA. SELP 1087G/A Polymorphism is Associated with Neuropsychological Test Performance in Older Adults with Cardiovascular Disease. Presentation to the 37th annual meeting of the International Neuropsychological Society, Atlanta, Georgia, February, 2009. *Journal of the International Neuropsychological Society*, 2009, 15 (S1).
45. Sweet, LH, MacKillop, J, Wier, L, David, SP, Jerskey, BA, Mulligan, RC, Ray, L, Cohen, RA, and Niaura, RS. Brain Response to Smoking Cues and Relationships to Severity of Nicotine Dependence. Presentation to the 37th annual meeting of the International Neuropsychological Society, Atlanta, Georgia, February, 2009. *Journal of the International Neuropsychological Society*, 2009, 15 (S1).

46. Sweet, LH, Vanderhill, SD, Jerskey, BA, Cote, DM. Cognitive Processing Speed and Verbal Working Memory in Multiple Sclerosis. Presentation to the 37th annual meeting of the International Neuropsychological Society, Atlanta, Georgia, February, 2009. *Journal of the International Neuropsychological Society*, 2009, 15 (S1).
47. Finnerty, C, Sweet, LH, Mulligan, RC, Clark, US, Vanderhill, SD, Cohen, RA, and Niaura, RS. fMRI Response to Negative Emotional Images among Smokers in Withdrawal. Presentation to the 15th annual meeting of the Society for Research on Nicotine and Tobacco, Dublin, Ireland, April 2009.
48. Mulligan, RC, Sweet, LH, Finnerty, C, Jerskey, BA, David, SP, Cohen, RA, and Niaura, RS. Early Life Stress and Inhibitory Control among Nicotine Dependent Adults. Presentation to the 15th annual meeting of the Society for Research on Nicotine and Tobacco, Dublin, Ireland, April 2009.
49. Clark, U, Sweet, L, Mulligan, R, Finnerty, C, Jerskey, B, Hassenstab, J, Cohen, R, and Niaura, R. Brain Response to Negative Facial Expressions Among Smokers in Withdrawal. (2009). The Neuroscience of Emotion Conference, Tufts University, Medford, MA June 2009.
50. Hassenstab, J, Sweet, LH, Finnerty, CE, Mulligan, RC, Clark, US, Jerskey, BA, David, SP, Cohen, RA, Niaura, RS. The Effect of Withdrawal on Brain Response to Smoking Cues. Presentation to the 27th annual mid-year meeting of the International Neuropsychological Society and the (Finnish Neuropsychological Society) (Neuropsykologiska Föreningen), Helsinki, Finland, July 2009. *Journal of the International Neuropsychological Society*, 2009, 15 (S2), 44.
51. Sweet, LH, Mulligan, RC, Finnerty, C, Jerskey, BA, Cohen, R, and Niaura, R. Effects of nicotine withdrawal on verbal working memory. Presented to the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, Maryland, February, 2010.
52. Sweet, LH, Vanderhill, SD, Jerskey, BA, Gordon, N, Paul, RH, Cohen, RA. Subvocal Articulatory Rehearsal during Verbal Working Memory in Multiple Sclerosis. Presented to the 38th Annual Meeting of the International Neuropsychological Society, Acapulco Mexico, February, 2010.
53. Mechanic-Hamilton, D, Sweet, LH, Jerskey, BA, Aloia, MS. Withdrawal of Positive Airway Pressure Treatment and Default Network Response to a Verbal Working Memory Challenge in Obstructive Sleep Apnea. Presented to the 38th Annual Meeting of the International Neuropsychological Society, Acapulco Mexico, February, 2010.
54. Finnerty, CE, Sweet, LH, Jerskey, BA, Mulligan, RC, Clark, US, Vanderhill, SD, Cohen, RA, and Niaura, RS. fMRI Response to Emotional Stimuli: Effects of Nicotine. Presented to the 28th annual mid-year meeting of the International Neuropsychological Society, Krakow Poland, July 2010.
55. Sweet, LH, Finnerty, CE, Jerskey, BA, Mulligan, RC, Clark, US, Cohen, RA, and Niaura, RS. Brain response to a working memory challenge as a function of nicotine use and nicotine dependence. Presented to the 28th annual mid-year meeting of the International Neuropsychological Society, Krakow Poland, July 2010.

56. Clark, US, Cohen, RA, Gongvatana, A, Jerskey, BA, Sweet, LH, Mulligan, RC, White, TL, and Tashima, KT. Combined Effects of HIV and Early Life Stressors on Brain Structure and Neuropsychological Function. Presented to the 28th annual mid-year meeting of the International Neuropsychological Society, Krakow Poland, July 2010.
57. Sweet, LH, Jerskey, BA, Hassenstab, JJ, Cote, DM, Clark, US. Attenuation of default network processing during working memory. Presented to the 40th annual meeting of the Society for Neuroscience, San Diego, CA, November 2010.
58. Amlung, M, MacKillop, J, Sweet, J, Wier, L, David, S, Jerskey, B, Ray, L, Murphy, J, Cohen, R, Bickel, W. The neuroeconomics of nicotine dependence: Understanding intertemporal choice in smokers using fMRI. Poster presented at Neuroeconomics: Decision Making & the Brain meeting. Evanston, 2010.
59. Cote, D.M., Clark, U.S., Jerskey, B.A., Walsh, E.G., & Sweet, L.H. Altered blood oxygen level dependent response independent of cognitive function in older adults. Presented to the 39th Annual Meeting of the International Neuropsychological Society, Boston, February, 2011.
60. Alosco M., Spitznagel, M.B., Potter, V., Cohen, R., Raz, N., Sweet, L.H., Colbert, L., Josephson, R., Waechter, D., Hughes, J., Roseneck J., & Gunstad, J. Cognitive impairment is independently associated with reduced IADLs in persons with heart failure. Presented to the 39th Annual Meeting of the International Neuropsychological Society, Boston, February, 2011.
61. Garcia, S.L., Spitznagel, M., Potter, V., Cohen, R., Raz, N., Sweet, L.H., Colbert, L., Josephson, R., Waechter, D., Hughes, J., Rosneck J., & Gunstad J. Depression is independently associated with cognitive dysfunction in older adults with heart failure. Presented to the 39th Annual Meeting of the International Neuropsychological Society, Boston, February, 2011.
62. Miller, L.A., Spitznagel, M., Potter, V., Cohen, R., Raz, N, Sweet, L.H., Colbert, L., Josephson, R., Waechter, D., Hughes, J., Rosneck J., & Gunstad J. Associations between cardiovascular fitness, cerebral perfusion, and cognitive outcomes in heart failure. Presented to the 39th Annual Meeting of the International Neuropsychological Society, Boston, February, 2011.
63. Amlung, M., Acker, J., Brown, C., Sweet, L., & MacKillop, J. The neuroeconomics of delayed reward discounting in heavy drinkers. *Alcoholism: Clinical and Experimental Research*, 35, S1, 23A, 2011.
64. Amlung, M, Acker, J, Brown, C, Sweet, L, MacKillop, J. The Neuroeconomics of Delayed Reward Discounting in Heavy Drinkers: Initial Findings. Poster presented at the Association for Behavior Analysis International - Behavioral Economics Meeting, Chicago, March 2011. *Alcoholism: Clinical and Experimental Research*, 35, S1, 24A.
65. Philip, NS, Sweet, LH, Tyrka, AR, Price, LH, Carpenter, LL, Niaura, RS. The Effect of Early Life Stress on the Default Network. Presented to the 65th Annual Meeting of the Society of Biological Psychiatry, San Francisco, May 2011.

66. Clark, US, Sweet, LH, Devlin, KN, Cohen, R A. Effects of current stress levels on verbal memory functions and hippocampal volumes in racial and ethnic minority adults. The American Academy of Clinical Neuropsychology, 9th Annual Conference. Washington, DC. June 9, 2010.
67. Philip, NS, Sweet, LH, Tyrka, AR, Price, LH, Carpenter, LL, Niaura, RS. The Effect of Early Life Stress on Default Network Activity in Healthy Adult Subjects. Presented to the 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec City, June, 2011.
68. Amlung, M, Sweet, L, Acker, J, Brown, C, MacKillop, J. Fractionating Delay Discounting in Alcohol Use Disorders: an fMRI Study. Submitted presentation to the 35th meeting of the Research Society on Alcoholism, San Francisco, June, 2012.
69. Clark, US, Sweet, LH, Gordon, M, Milman, K, Park, S, White, TL. Amygdala Activation During Alcohol Intoxication: An Examination of Alcohol's Effects in Social Drinkers. Submitted presentation to the 35th meeting of the Research Society on Alcoholism, San Francisco, June, 2012.
70. Xu, X, Jerskey, B, Cote, D, Walsh, E, Hassenstab, J, Ladino, M, Clark, U, Labbe, D, Gunstad, J, Poppas, A, Cohen, R, Hoge, R, Sweet, L. Whole Brain Cerebral Perfusion among Older Adults is Moderated by Strength Training and Gender. Submitted presentation to the 18th meeting of the Organization for Human Brain Mapping, Beijing, June, 2012.
71. Sweet, L, Jerskey, B, Cote, D, Walsh, E, Hassenstab, J, Ladino, M, Clark, U, Xu, X, Labbe, D, Gunstad, J, Poppas, R, Hoge, A, Cohen, R. Lower fMRI response in cardiovascular disease patients during working memory is independent of cerebrovascular perfusion. Submitted presentation to the 18th meeting of the Organization for Human Brain Mapping, Beijing, June, 2012.
72. Clark, US, Sweet, LH, Finnerty, CE, Niaura, RS. Nicotine Effects on Ventral Striatal Activation Patterns in Smokers and Non-Smokers. Submitted presentation to the 18th meeting of the Organization for Human Brain Mapping, Beijing, June, 2012.
73. Caldwell, J, Gongvatana, A, Tashima, K, Navia, B, Sweet, L, Cohen, R. Abnormalities in Neural Activity During Verbal Working Memory in the Context of HIV and Hepatitis C Infections. Presentation submitted to the 30th annual mid-year meeting of the International Neuropsychological Society, Oslo, June 2012.

INVITED PRESENTATIONS

Rhode Island Multiple Sclerosis Society, Providence, RI, 2006
Center for Primary Care and Prevention Memorial Hospital of RI, 2006
Butler Hospital Professional Programs in Psychiatry, Providence, RI, 2008
NIH Translational Tobacco Use Research Center Conference, San Diego, CA, 2008
Friends of Butler Hospital, Office of Development, Providence, RI, 2009
VA Mental Health and Behavioral Science Service Colloquium, Providence RI, 2012
Grand Rounds, Department of Neurology, Brown University, Providence, RI, 2012

ACTIVE GRANTS

1. NHLBI R01HL084178-01A1, PI: Lawrence Sweet, \$1.7 million (Direct), 2007-2012

Hemodynamic and Cognitive Function in Cardiovascular Disease

Role: Principal Investigator

2. NIDA R21DA031269-01A1, PI: Lawrence Sweet, \$275,000 (Direct), 2012-2014
Neuroimaging approaches to improve prediction of relapse during smoking cessation
Role: Principal Investigator (Pending, Priority Score = 10)
3. NHLBI R01HL089311, PI: Gunstad, \$102,500 (Direct, subcontract only) 2008-2012
Cognitive benefits of cardiac rehabilitation in heart failure
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
4. NCI U01CA150387, PI: Rena Wing, \$276,000 (Direct, subcontract only), 2009-2014
Increasing Sleep Duration: A novel approach to weight control
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
5. NIAAA K99AA020235, PI: Assawin Gongvatana, (in kind mentor) 2011-2015
Impact of Excessive Alcohol Use in HIV-Associated Brain Dysfunction: A DTI Study
Role: Co-Mentor
6. NIDDK K01DK090445, PI: Kathryn Demos, (in kind mentor) 2011-2015
The Neural Correlates of Food Choice Decision-Making in Obesity and Weight Loss
Role: Co-Mentor
7. NIMH New K23 Uraina Clark, (in kind mentor) 2012-2017
Effects of Early-Life Stress on HIV-Associated Brain Dysfunction in Adults
Role: Primary Mentor
8. National Multiple Sclerosis Society RG 4283A2/2 2011-2012, PI: Albert Lo
Multiple Sclerosis: prevalence and social functioning by disease duration and subtype
Role: Co-Investigator

GRANT APPLICATIONS UNDER REVIEW

1. NIMH R01MH098074, PI: Lawrence Sweet/Shirley Yen, Submitted October 2011
fMRI Indices of Negative Affective and Impulsivity as Predictors of Suicide Outcome
Role: Principal Investigator
2. NIDA R21, PI, David Williams, Submitted February 2012
Pictorial Cigarette Warnings: Effects on Neural Mechanisms of Affect & Behavior
Role: Co-Investigator
3. VA Career Development Award, PI: Noah Philip, Submitted March 2012
Early Life Stress and the Default Mode Network
Role: Co-Mentor

COMPLETED GRANTS

1. NCI P50CA084719-060002, PI: Sweet/Niaura, \$1.3 million (Direct), 2004-2010
Nicotine Dependence: Phenotype, Endophenotype and Contexts. Project 2: fMRI
Study of Nicotine Exposure in Discordant Sib-Pairs
Role: Principal Investigator 2009-2010, Project Director 2005-2009

2. NIDA R01DA020725, PI: Tara White, \$40,000 (Direct, subcontract only) 2007-2011
Amphetamine effects on fMRI and behavior: Genetic and Personality Differences
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
3. NIA F32AG03284701, Jason Hassenstab, (in kind mentor) 2008-2010
An FMRI study of verbal working memory in metabolic syndrome
Role: Co-Mentor
4. NIDA R03DA022137, PI: Robert Paul, \$20,000 (Direct, subcontract) 2006-2007
Functional Neuroimaging of Cognitive Dysfunction in HIV-HCV Co-Infection.
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
5. NIDDK R01DK066787-S2, PI: Rena Wing, \$20,000 (Direct, subcontract), 2004-2007
Long-Term Weight Loss Maintenance: FMRI
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
6. NIDA R03DA017178, PI: Tara White, \$10,000 (Direct, subcontract only), 2003-2006
Individual differences in amphetamine use
Role: Co-Investigator (Principal Investigator of Butler Hospital subcontract)
7. NINDS 1F32NS042404, PI: Lawrence Sweet, \$80,000, (Direct), 2001-2003
Cognitive speed and working memory in multiple sclerosis.
Role: Principal Investigator
8. DHHS, Health Resources & Services Administration, PI: Lawrence Price, \$198,000, 2010
Health Care and Other Facilities (Butler Hospital Neuroimaging Center)
Role: Director, Butler Hospital Neuroimaging Center
9. Russell Sage Foundation, PI: James MacKillop, \$5,000, 2007-2008
Grants in Behavioral Economics: Neuroeconomics of Nicotine Dependence
Role: Co-Investigator
10. Lifespan Developmental Grant Program, PI: David Williams, \$20,000, 2007-2008
Exercise as a treatment for depression: exploring brain mechanisms via FMRI
Role: Co-Investigator
11. Ittleson Foundation, PI: Lawrence Sweet, \$6,500, 2004-2006
Age, Cardiovascular Health, FMRI and Cognitive Function
Role: Principal Investigator
12. Ittleson Foundation, PI: Ronald Cohen, \$6500, 2003-2004
The effects of nicotine on brain activity during working memory
Role: Co-Investigator
13. Ittleson Foundation, PI: Ronald Cohen, \$6500, 2003-2004
The effects of donepezil on brain activity in Alzheimer's Disease
Role: Co-Investigator
14. Ittleson Foundation, PI: Mark Aloia, \$13,000, 2004-2006
The effects of treatment for sleep apnea on brain activity

Role: Co-Investigator

15. Pfizer Inc clinical protocol Q1026, PI: James Paskavitz, \$250,000, 2004-2005
Efficacy of anticholinergic medication in Alzheimer's Disease as assessed by fMRI
Role: Co-Investigator
16. Brown University, PI: Alesandra Kazura, \$20,000, 2005-2006
Translational Brain Research: Neurobehavioral correlates of adolescent smoking
Role: Co-Investigator
17. Brain Sciences Program Pilot Research Project, PI: Laura Stroud, \$10,000, 2006
Neural circuits of social rejection stress in at-risk adolescents
Role: Co-Investigator
18. Ittleson Foundation, PI: John Gunstad, \$6500, 2005-2006
Genetic risk hypertension, visual working memory, and brain activity
Role: Co-Investigator

UNIVERSITY TEACHING ROLES

Pending	Primary Mentor, NIMH K23, PI: Uraina Clark, Effects of Early-Life Stress on HIV-Associated Brain Dysfunction in Adults (Priority Score = 18)
2011-present	Co-Mentor, K01DK090445, PI: Kathryn Demos, Neural Correlates of Food Choice Decision-Making in Obesity and Weight Loss
2011-present	Co-Mentor, K99AA020235, PI: Assawin Gongvatana, Impact of Excessive Alcohol Use in HIV-Associated Brain Dysfunction: A DTI Study
2011-present	Mentor, Diversity Mentoring Program, Brown University Clinical Psychology Training Consortium (one postdoctoral fellow)
2009-present	Co-Mentor, T32AA007459, PI: Peter Monti, Alcohol Intervention/Treatment Outcome Research Training, Brown University Public Health Program (one postdoctoral fellow)
2009-present	Co-Mentor and Seminar Presenter, T32HL076134, PI: Rena Wing, Training in Behavioral and Preventive Medicine, Brown University Department of Psychiatry and Human Behavior (two postdoctoral fellows)
2009-present	Co-Mentor, T32MH067553, PI: Ivan Miller, Training in Treatment Research Fellowship, Department of Psychiatry and Human Behavior (two postdoctoral fellows)
2009-2011	Instructor, Biology 1960 Directed Research, Brown University Department of Biology (four undergraduate seniors)
2008-2010	Instructor, Biology 1950 Directed Research, Brown University Department of Biology (three undergraduate seniors)

- 2008-2010 Co-Mentor, F32AG032847, PI: Jason Hassenstab, An fMRI study of verbal working memory in metabolic syndrome, Department of Psychiatry and Human Behavior
- 2005–present Research Mentor, Clinical Research, Brown University Clinical Psychology Training Consortium (five Clinical Psychology Residents)
- 2005-2008 Primary Mentor and Seminar Presenter, 5T32AG020498, PI: Paul Malloy, Brown University Dementia Research Fellowship, Department of Psychiatry and Human Behavior (two postdoctoral fellows)
- 2005-present Instructor, Weekly Neuroimaging Seminar (Fall and Spring Semesters), Brown University Clinical Psychology Training Consortium (approximately five Psychology and Psychiatry Residents and five Fellows annually)
- 2004-2010 Faculty Facilitator and Presenter, Neuropsychology Grant Writing Seminar, Brown University Clinical Psychology Training Consortium (approximately ten Psychology Residents and Fellows annually)
- 2003-2006 Co-coordinator, Neuroimaging Journal Club, Brown University Magnetic Resonance Imaging Research Facilities, Brown Institute for Brain Science
- 2003-present Annual Presenter, Neuropsychology Seminars, Brown University Clinical Psychology Training Consortium (five Clinical Psychology Residents annually)
- 2003-2011 Training grants
- 2003-present Functional Neuroimaging
- 1998-2000 Instructor and Presenter, Functional Magnetic Resonance Imaging courses, Medical College of Wisconsin (three courses, 150 attendees)
- 1997 Instructor, University of Wisconsin-Parkside, Department of Psychology: General Psychology (46 undergraduate students)
- 1995-1997 Teaching Assistant, Rosalind Franklin University of Medicine and Science, Department of Psychology, North Chicago, IL, Department of Psychology computer training and support
- 1994 Instructor, Rosalind Franklin University of Medicine and Science, Department of Psychology, North Chicago, IL, Advanced Physiological Research Seminar (12 graduate students)