

CURRICULUM VITAE
LAWRENCE H. SWEET

Department of Psychology
University of Georgia
Athens, GA 30602

Email: Sweet@UGA.edu
Phone: 706 542 0746

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 (Neuropsychology), 1997
- Ph.D. Rosalind Franklin University of Medicine and Science, North Chicago, IL: Clinical Psychology (Neuropsychology), 2001

POSTGRADUATE TRAINING

- Internship Brown University Clinical Psychology Training Consortium, Providence, RI: Clinical Neuropsychology, 2000-2001
- Fellowship Brown University Clinical Psychology Training Consortium, Providence, RI: Clinical Neuropsychology, 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 NIH Loan Repayment Program for Clinical Research
- 2001 Individual NIH National Research Service Award

ACADEMIC APPOINTMENTS

- 2012-present Gary R. Sperduto Professor in Clinical Psychology, Department of Psychology, Franklin College of Arts and Sciences, University of Georgia, Athens GA

Clinical Psychology Program (Faculty)
Behavioral and Brain Sciences Program (Faculty)
Interdisciplinary Neurosciences Program (Faculty)
Owens Institute of Behavioral Research (Fellow)
Graduate School (Faculty)

2012-present Adjunct Professor, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI
2010-2012 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

2010-2012 Founding Director, Butler Hospital Neuroimaging Center, Providence, RI
2005-2012 Research Psychologist, Butler Hospital, Providence, RI
2003-2005 Psychologist, Miriam Hospital, Providence, RI
2001-2003 Postdoctoral Fellow, Miriam Hospital, Providence, RI
1998-2000 Behavior Therapist, Rogers Memorial Hospital, Oconomowoc, WI

OTHER APPOINTMENTS

2017 NIH Grant Reviewer, Meeting 2018/01 ARM (10/23/2017)
2017 NIH Grant Reviewer, Meeting 2017/10 ZCA1-RPRB-6-O1 (6/8/2017)
2017 NIH Grant Reviewer, Meeting 2017/10 ZRG1-BDCN-J-02 (7/10/2017)
2016-present Chair, Data and Safety Monitoring Board, R21AG050898, PI Haley
2016 NIH Grant Reviewer, Meeting 2017/01 ZRG1-PSE-W-55 (11/4/2016)
2016 NIH Grant Reviewer, Meeting 2016/10 ZRG1-F02A-K-20 (6/23/2016)
2016 NIH Grant Reviewer, Meeting 2016/05 ZRG1-F02A-J-20 (3/17/2016)
2016 NIH Grant Reviewer, Meeting 2016/05 ZRG1-PSE-W-55 (3/2/2016)
2016 NIH Grant Reviewer, Meeting 2016/05 ZRG1-PSE-P-07 (3/2/2016)
2015 NIH Grant Reviewer, Meeting 2015/05 ZRG1-F02A-J-20 (3/12/2015)
2014 NIH Grant Reviewer, Meeting 2015/01 ZRG1-F02A-J-20 (11/6/2014)
2011 NIH Grant Reviewer, Meeting 2011/05 ZRG1 BDCN-W-02 (3/8/2011)
2010 NIH Grant Reviewer, Meeting 2010/10 ZRG1 BDCN-N-04 (8/17/2010)
2007 Reviewer, National Science Foundation Cognitive Neuroscience Program
2006, 2007, 2008 Reviewer, National Institute on Drug Abuse Special Emphasis Panel ZDA1

HOSPITAL COMMITTEES

2007-2012 Member, Butler Hospital Institutional Review Board

UNIVERSITY COMMITTEES

2014-present University of Georgia Building Safety & Security Representative, Psychology

- 2013-present University of Georgia Behavioral and Brain Sciences Program Committees
2015-present Personnel Committee
2013-present Personnel Advisory Committee (I-O Chair 2015-2017)
- 2012-present University of Georgia Clinical Psychology Program Committees
2012-14, 16-18 Admissions
2012-present Comprehensive Exam
2012-present Financial Aid
2013 Faculty Search
- 2009-2012 Education, Safety, and Training Committee, Brown University Magnetic Resonance Imaging Research Facilities (Brown Institute for Brain Science)
- 2006-2012 Training Committee, Brown University Clinical Psychology Training Consortium
2011-2012 Technology Subcommittee
2008-2011 Neuropsychology Track Coordinator
2006-2012 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
National Academy of Neuropsychology, Member

PUBLICATION LIST

PEER-REVIEWED JOURNALS

1. Windle M, Gray JC, Lei KM, Barton AW, Brody G, Beach SRH, Galván A, MacKillop J, Clark US, Sweet LH. Age sensitive associations of adolescent substance use with amygdalar, ventral striatum, and frontal volumes in young adulthood. *Drug Alcohol Depend.* 2018 Mar 14;186:94-101. doi: 10.1016/j.drugalcdep.2018.02.007. [Epub ahead of print] PubMed PMID: 29558674.
2. Owens MM, Duda B, Sweet LH, MacKillop J. Distinct functional and structural neural underpinnings of working memory. *Neuroimage.* 2018 Mar 15. pii:S1053-8119(18)30228-3. doi: 10.1016/j.neuroimage.2018.03.022. [Epub ahead of print] PubMed PMID: 29551458.
3. Demos KE, Sweet LH, Hart CN, McCaffery JM, Williams SE, Mailloux KA, Trautvetter J, Owens MM, Wing RR. The effects of experimental manipulation of sleep duration on neural response to food cues. *Sleep.* 2017 Jul 20. doi:10.1093/sleep/zsx125. [Epub ahead of print] PubMed PMID: 28977574.
4. Owens MM, MacKillop J, Gray JC, Beach SRH, Stein MD, Niaura RS, Sweet LH. Neural correlates of tobacco cue reactivity predict duration to lapse and continuous abstinence in smoking cessation treatment. *Addict Biol.* 2017 Sep 6. doi: 10.1111/adb.12549. [Epub ahead of print] PubMed PMID: 28877410.
5. Owens MM, Gray JC, Amlung MT, Oshri A, Sweet LH, MacKillop J. Neuroanatomical foundations of delayed reward discounting decision making. *Neuroimage.* 2017 Aug

- 29;161:261-270. doi: 10.1016/j.neuroimage.2017.08.045. [Epub ahead of print] PubMed PMID: 28843539.
6. Owens MM, Amlung MT, Beach SRH, Sweet LH, MacKillop J. Delay discounting differences in brain activation, connectivity, and structure in individuals with addiction: a systematic review protocol. *Syst Rev.* 2017 Jul 11;6(1):138. doi:10.1186/s13643-017-0537-0. PubMed PMID: 28693555; PubMed Central PMCID: PMC5504789.
 7. Oshri A, Kogan S, Liu S, Sweet L, Mackillop J. Pathways Linking Adverse Childhood Experiences to Cigarette Smoking Among Young Black Men: a Prospective Analysis of the Role of Sleep Problems and Delayed Reward Discounting. *Ann Behav Med.* 2017 May 12. doi: 10.1007/s12160-017-9914-0. [Epub ahead of print] PubMed PMID: 28500481.
 8. Owens MM, MacKillop J, Gray JC, Hawkshead BE, Murphy CM, Sweet LH. Neural correlates of graphic cigarette warning labels predict smoking cessation relapse. *Psychiatry Res.* 2017 Apr 30;262:63-70. doi: 10.1016/j.psychres.2017.02.005. Epub 2017 Feb 17. PubMed PMID: 28236714; PubMed Central PMCID: PMC5404379.
 9. Gray JC, Amlung MT, Owens M, Acker J, Brown CL, Brody GH, Sweet LH, MacKillop J. The Neuroeconomics of Tobacco Demand: An Initial Investigation of the Neural Correlates of Cigarette Cost-Benefit Decision Making in Male Smokers. *Sci Rep.* 2017 Feb 3;7:41930. doi: 10.1038/srep41930. PubMed PMID: 28157228.
 10. Brody GH, Gray JC, Yu T, Barton AW, Beach SR, Galván A, MacKillop J, Windle M, Chen E, Miller GE, Sweet LH. Protective Prevention Effects on the Association of Poverty with Brain Development. *JAMA Pediatr.* 2017 Jan 1;171(1):46-52. doi: 10.1001/jamapediatrics.2016.2988. PubMed PMID: 27893880; PubMed Central PMCID: PMC5214580.
 11. Liebel SW, Jones EC, Oshri A, Hallowell ES, Jerskey BA, Gunstad J, Sweet LH. Cognitive processing speed mediates the effects of cardiovascular disease on executive functioning. *Neuropsychology.* 2017 Jan;31(1):44-51. doi: 10.1037/neu0000324. PubMed PMID: 27841458; PubMed Central PMCID: PMC5191907.
 12. Murphy CM, Owens MM, Sweet LH, MacKillop J. The substitutability of cigarettes and food: A behavioral economic comparison in normal weight and overweight or obese smokers. *Psychol Addict Behav.* 2016 Dec;30(8):857-867. doi: 10.1037/adb0000223. PubMed PMID: 27736143.
 13. Demos KE, Hart CN, Sweet LH, Mailloux KA, Trautvetter J, Williams SE, Wing RR, McCaffery JM. Partial sleep deprivation impacts impulsive action but not impulsive decision-making. *Physiol Behav.* 2016 Oct 1;164(Pt A):214-9. doi: 10.1016/j.physbeh.2016.06.003. Epub 2016 Jun 4. PubMed PMID: 27267950.
 14. Philip NS, Tyrka AR, Albright SE, Sweet LH, Almeida J, Price LH, Carpenter LL. Early life stress predicts thalamic hyperconnectivity: A transdiagnostic study of global connectivity. *J Psychiatr Res.* 2016 Aug;79:93-100. doi: 10.1016/j.jpsychires.2016.05.003. Epub 2016 May 13. PubMed PMID: 27214526; PubMed Central PMCID: PMC4894492.
 15. Rochette AD, Spitznagel MB, Sweet LH, Cohen RA, Josephson R, Hughes J, Gunstad J. Gender Differences in Cognitive Test Performance in Adults With Heart Failure. *J Cardiovasc Nurs.* 2016 Mar 29. [Epub ahead of print] PubMed PMID: 27028589.
 16. Clark US, Sweet LH, Morgello S, Philip NS, Cohen RA. High early life stress and aberrant amygdala activity: risk factors for elevated neuropsychiatric symptoms in HIV+ adults. *Brain Imaging Behav.* 2016 Mar 24. [Epub ahead of print] PubMed PMID: 27011015.

17. Alosco ML, Brickman AM, Spitznagel MB, Sweet LH, Josephson R, Griffith EY, Narkhede A, Hughes J, Gunstad J. Daily Physical Activity Is Associated with Subcortical Brain Volume and Cognition in Heart Failure. *J Int Neuropsychol Soc.* 2015 Nov;21(10):851-60. doi: 10.1017/S1355617715000697. PubMed PMID: 26581796.
18. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Obesity and cognitive dysfunction in heart failure: The role of hypertension, type 2 diabetes, and physical fitness. *Eur J Cardiovasc Nurs.* 2014 May 14. pii: 1474515114535331. [Epub ahead of print] PubMed PMID: 24829294.
19. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Hayes SM, Josephson R, Hughes J, Gunstad J. Decreases in Daily Physical Activity Predict Acute Decline in Attention/Executive Function in Heart Failure. *J Card Fail.* 2015 Jan 5. pii:S1071-9164(14)01363-3. doi: 10.1016/j.cardfail.2014.12.010. [Epub ahead of print] PubMed PMID: 25573830.
20. Garcia S, Calvo D, Spitznagel MB, Sweet L, Josephson R, Hughes J, Gunstad J. Dairy intake is associated with memory and pulsatility index in heart failure. *Int J Neurosci.* 2014 Jun 27. [Epub ahead of print] PubMed PMID: 24894048.
21. Philip NS, Sweet LH, Tyrka AR, Carpenter SL, Albright SE, Price LH, Carpenter LL. Exposure to childhood trauma is associated with altered n-back activation and performance in healthy adults: implications for a commonly used working memory task. *Brain Imaging Behav.* 2015 Mar 25. [Epub ahead of print] PubMed PMID: 25804310.
22. Alosco ML, Gunstad J, Beard C, Xu X, Clark US, Labbe DR, Jerskey BA, Ladino M, Cote DM, Walsh EG, Poppas A, Cohen RA, Sweet LH. The Synergistic Effects of Anxiety and Cerebral Hypoperfusion on Cognitive Dysfunction in Older Adults with Cardiovascular Disease. *J Geriatr Psychiatry Neurol.* 2014 Jul 9. pii:0891988714541871. [Epub ahead of print] PubMed PMID: 25009160.
23. Liebel SW, Clark US, Xu X, Riskin-Jones HH, Hawkshead BE, Schwarz NF, Labbe D, Jerskey BA, Sweet LH. An fMRI-Compatible Symbol Search Task. *J Int Neuropsychol Soc.* 2015 Mar;21(3):231-8. doi: 10.1017/S1355617715000144. Epub 2015 Mar 20. PubMed PMID: 25794263.
24. Alosco ML, Spitznagel MB, Sweet LH, Josephson R, Hughes J, Gunstad J. Cognitive dysfunction mediates the effects of poor physical fitness on decreased functional independence in heart failure. *Geriatr Gerontol Int.* 2014 Feb 18. doi: 10.1111/ggi.12245. [Epub ahead of print] PubMed PMID: 24533907.
25. Alosco ML, Spitznagel MB, Sweet LH, Josephson R, Hughes J, Gunstad J. Atrial Fibrillation Exacerbates Cognitive Dysfunction and Cerebral Perfusion in Heart Failure. *Pacing Clin Electrophysiol.* 2015 Feb;38(2):178-186. doi:10.1111/pace.12543. Epub 2014 Dec 10. PubMed PMID: 25492027.
26. Alosco ML, Brickman AM, Spitznagel MB, Narkhede A, Griffith EY, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, & Gunstad J. Higher BMI is Associated with Reduced Brain Volume in Heart Failure. *BMC Obesity.* 2014, 1:4 Feb19, 2052-9538/1/4.
27. Alosco ML, Brickman AM, Spitznagel MB, Narkhede A, Griffith EY, Cohen R, Sweet LH, Josephson R, Hughes J, Gunstad J. Reduced Gray Matter Volume Is Associated With Poorer Instrumental Activities of Daily Living Performance in Heart Failure. *J Cardiovasc Nurs.* 2014 Nov 21. [Epub ahead of print] PubMed PMID: 25419946.

28. Fulcher KK, Alosco ML, Miller L, Spitznagel MB, Cohen R, Raz N, Sweet L, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Greater Physical Activity Is Associated With Better Cognitive Function in Heart Failure. *Health Psychol.* 2014 Jan 27. [Epub ahead of print] PubMed PMID: 24467254.

29. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Josephson R, Hughes J, Gunstad J. Decreases in body mass index after cardiac rehabilitation predict improved cognitive function in older adults with heart failure. *J Am Geriatr Soc.* 2014 Nov;62(11):2215-6. doi: 10.1111/jgs.13123. PubMed PMID: 25413196; PubMed Central PMCID: PMC4243583.

30. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Better adherence to treatment recommendations in heart failure predicts improved cognitive function at a one-year follow-up. *J Clin Exp Neuropsychol.* 2014;36(9):956-66. doi: 10.1080/13803395.2014.957167. Epub 2014 Oct 29. PubMed PMID: 25352233.

31. Gray JC, Amlung MT, Acker J, Sweet LH, Brown CL, MacKillop J. Clarifying the neural basis for incentive salience of tobacco cues in smokers. *Psychiatry Res.* 2014 Sep 30;223(3):218-25. doi: 10.1016/j.psychres.2014.06.003. Epub 2014 Jun 19. PMID: 25035299.

32. Alosco ML, Gunstad J, Xu X, Clark US, Labbe DR, Riskin-Jones HH, Terrero G, Schwarz NF, Walsh EG, Poppas A, Cohen RA, Sweet LH. The impact of hypertension on cerebral perfusion and cortical thickness in older adults. *J Am Soc Hypertens.* 2014 Aug;8(8):561-70. doi: 10.1016/j.jash.2014.04.002. Epub 2014 Apr 13. PubMed PMID: 25151318.

33. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Reduced cognitive function predicts functional decline in patients with heart failure over 12 months. *Eur J Cardiovasc Nurs.* 2013 Jun 9. [Epub ahead of print] PubMed PMID: 23754840.

34. Caldwell JZ, Gongvatana A, Navia BA, Sweet LH, Tashima K, Ding M, Cohen RA. Neural dysregulation during a working memory task in human immunodeficiency virus-seropositive and hepatitis C coinfecting individuals. *J Neurovirol.* 2014 Aug;20(4):398-411. doi:10.1007/s13365-014-0257-3. Epub 2014 May 28. PubMed PMID:24867610.

35. Alosco ML, Spitznagel MB, Cohen R, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Cardiac rehabilitation is associated with lasting improvements in cognitive function in older adults with heart failure. *Acta Cardiol.* 2014 Aug;69(4):407-14. PubMed PMID: 25181916.

36. Mackillop J, Amlung MT, Acker J, Gray JC, Brown CL, Murphy JG, Ray LA, Sweet LH. The Neuroeconomics of Alcohol Demand: An Initial Investigation of the Neural Correlates of Alcohol Cost-Benefit Decision Making in Heavy Drinking Men. *Neuropsychopharmacology.* 2014 Mar 3. doi: 10.1038/npp.2014.47. [Epub ahead of print] PubMed PMID: 24584331.

37. Xu X, Clark US, David SP, Mulligan RC, Knopik VS, McGeary J, Mackillop J, McCaffery J, Niaura RS, Sweet LH. The Effects of Nicotine Deprivation and Replacement on BOLD-fMRI Response to Smoking Cues as a Function of DRD4 VNTR Genotype. *Nicotine Tob Res.* 2014 Mar 22. [Epub ahead of print] PubMed PMID: 24659022.

38. Philip NS, Valentine TR, Sweet LH, Tyrka AR, Price LH, Carpenter LL. Early life stress impacts dorsolateral prefrontal cortex functional connectivity in healthy adults: Informing future studies of antidepressant treatments. *J Psychiatr Res.* 2014 May;52:63-9. doi: 10.1016/j.jpsychires.2014.01.014. Epub 2014 Jan 29. PubMed PMID: 24513500; PubMed Central PMCID: PMC3955403.

39. Alosco ML, Spitznagel MB, Cohen R, Raz N, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Decreased physical activity predicts cognitive dysfunction and reduced cerebral blood flow in heart failure. *J Neurol Sci.* 2014 Apr 15;339(1-2):169-75. doi: 10.1016/j.jns.2014.02.008. Epub 2014 Feb 18. PubMed PMID: 24581672.
40. Alosco ML, Spitznagel MB, Cohen R, Raz N, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Reduced cerebral perfusion predicts greater depressive symptoms and cognitive dysfunction at a 1-year follow-up in patients with heart failure. *Int J Geriatr Psychiatry.* 2014 Apr;29(4):428-36. doi: 10.1002/gps.4023. Epub 2013 Sep 10. PubMed PMID: 24022882; PubMed Central PMCID: PMC3949179.
41. Alosco ML, Garcia S, Spitznagel MB, van Dulmen M, Cohen R, Sweet LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Cognitive performance in older adults with stable heart failure: Longitudinal evidence for stability and improvement. *Neuropsychol Dev Cogn B Aging Neuropsychol Cogn.* 2014;21(2):239-56. doi: 10.1080/13825585.2013.818616. Epub 2013 Aug 1. PubMed PMID: 23906182; PubMed Central PMCID: PMC3858403.
42. Alosco ML, Spitznagel MB, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, van Dulmen M, Hughes J, Rosneck J, Gunstad J. Executive dysfunction is independently associated with reduced functional independence in heart failure. *J Clin Nurs.* 2014 Mar;23(5-6):829-36. doi: 10.1111/jocn.12214. Epub 2013 May 8. PubMed PMID: 23650879.
43. Xu X, Jerskey BA, Cote DM, Walsh EG, Hassenstab JJ, Ladino ME, Clark US, Labbe DR, Gunstad JJ, Poppas A, Cohen RA, Hoge RD, Sweet LH. Cerebrovascular perfusion among older adults is moderated by strength training and gender. *Neurosci Lett.* 2014 Feb 7;560:26-30. doi: 10.1016/j.neulet.2013.12.011. Epub 2013 Dec 17. PubMed PMID: 24355360; PubMed Central PMCID: PMC3920729.
44. Gray JC, Amlung MT, Acker JD, Sweet LH, Mackillop J. Item-based analysis of delayed reward discounting decision making. *Behav Processes.* 2014 Mar;103:256-60. doi: 10.1016/j.beproc.2014.01.006. Epub 2014 Jan 15. PubMed PMID: 24440196.
45. Philip, N, Carpenter, L, and Sweet, LH. Developing Neuroimaging Phenotypes of the Default Mode Network in PTSD: Resting State Functional Connectivity, Task-Associated Deactivations and Structural Connectivity. *Journal of Visualized Experiments, J Vis Exp.* 2014 Jul 1;(89). doi: 10.3791/51651. PMID: 25046537.
46. Xu X, Aron A, Westmaas JL, Wang J, Sweet LH. An fMRI Study of Nicotine-Deprived Smokers' Reactivity to Smoking Cues during Novel/Exciting Activity. *PLoS One.* 2014 Apr 11;9(4):e94598. doi: 10.1371/journal.pone.0094598. eCollection 2014. PubMed PMID: 24727905; PubMed Central PMCID: PMC3984235.
47. Philip NS, Kuras YI, Valentine TR, Sweet LH, Tyrka AR, Price LH, Carpenter LL. Regional homogeneity and resting state functional connectivity: associations with exposure to early life stress. *Psychiatry Res.* 2013 Dec 30;214(3):247-53. doi: 10.1016/j.psychres.2013.07.013. Epub 2013 Oct 3. PubMed PMID: 24090510; PubMed Central PMCID: PMC3849340.
48. Alosco ML, Gunstad J, Jerskey BA, Xu X, Clark US, Hassenstab J, Cote DM, Walsh EG, Labbe DR, Hoge R, Cohen RA, Sweet LH. The adverse effects of reduced cerebral perfusion on cognition and brain structure in older adults with cardiovascular disease. *Brain Behav.* 2013 Nov;3(6):626-36. doi: 10.1002/brb3.171. Epub 2013 Sep 10. PubMed PMID: 24363966; PubMed Central PMCID: PMC3868168.
49. Alosco ML, Brickman AM, Spitznagel MB, Griffith EY, Narkhede A, Cohen R, Sweet LH, Hughes J, Rosneck J, Gunstad J. Reduced cerebral blood flow and white matter

- hyperintensities predict poor sleep in heart failure. *Behav Brain Funct.* 2013 Oct 30;9:42. doi: 10.1186/1744-9081-9-42. PubMed PMID: 24171759; PubMed Central PMCID: PMC3816301.
50. Alosco ML, Spitznagel MB, Raz N, Cohen R, Sweet LH, Garcia S, Josephson R, van Dulmen M, Hughes J, Rosneck J, Gunstad J. The interactive effects of cerebral perfusion and depression on cognitive function in older adults with heart failure. *Psychosom Med.* 2013 Sep;75(7):632-9. doi: 10.1097/PSY.0b013e31829f91da. Epub 2013 Jul 19. PubMed PMID: 23873714; PubMed Central PMCID: PMC3770733.
 51. Alosco ML, Gunstad J, Jerskey BA, Clark US, Hassenstab JJ, Xu X, Poppas A, Cohen RA, Sweet LH. Left atrial size is independently associated with cognitive function. *Int J Neurosci.* 2013 Aug;123(8):544-52. doi: 10.3109/00207454.2013.774396. Epub 2013 Mar 14. PubMed PMID: 23394115.
 52. Alosco ML, Brickman AM, Spitznagel MB, Garcia SL, Narkhede A, Griffith EY, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Cerebral perfusion is associated with white matter hyperintensities in older adults with heart failure. *Congest Heart Fail.* 2013 Jul-Aug;19(4):E29-34. doi: 10.1111/chf.12025. Epub 2013 Mar 20. PubMed PMID: 23517434; PubMed Central PMCID: PMC3692594.
 53. Philip NS, Sweet LH, Tyrka AR, Price LH, Carpenter LL, Kuras YI, Clark US, Niaura RS. Early life stress is associated with greater default network deactivation during working memory in healthy controls: a preliminary report. *Brain Imaging Behav.* 2013 Jun;7(2):204-12. doi: 10.1007/s11682-012-9216-x. PubMed PMID: 23269472; PubMed Central PMCID: PMC3632656.
 54. Alosco ML, Brickman AM, Spitznagel MB, Griffith EY, Narkhede A, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Poorer physical fitness is associated with reduced structural brain integrity in heart failure. *J Neurol Sci.* 2013 May 15;328(1-2):51-7. doi: 10.1016/j.jns.2013.02.015. Epub 2013 Mar 23. PubMed PMID: 23528350; PubMed Central PMCID: PMC3625509.
 55. Alosco ML, Spitznagel MB, van Dulmen M, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Depressive symptomatology, exercise adherence, and fitness are associated with reduced cognitive performance in heart failure. *J Aging Health.* 2013 Apr;25(3):459-77. doi: 10.1177/0898264312474039. Epub 2013 Jan 31. PubMed PMID: 23378527.
 56. Alosco ML, Brickman AM, Spitznagel MB, Griffith EY, Narkhede A, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. The adverse impact of type 2 diabetes on brain volume in heart failure. *J Clin Exp Neuropsychol.* 2013;35(3):309-18. doi: 10.1080/13803395.2013.771617. Epub 2013 Feb 18. PubMed PMID: 23419083; PubMed Central PMCID: PMC3633205.
 57. 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 allele carriers among older adults with cardiovascular disease. *Psychogeriatrics.* 2013 Mar;13(1):35-40. doi: 10.1111/j.1479-8301.2012.00424.x. PubMed PMID: 23551410; PubMed Central PMCID: PMC3806216.
 58. Alosco ML, Brickman AM, Spitznagel MB, Griffith EY, Narkhede A, Raz N, Cohen R, Sweet LH, Hughes J, Rosneck J, Gunstad J. Independent and interactive effects of blood pressure and cardiac function on brain volume and white matter hyperintensities in heart failure. *J Am*

Soc Hypertens. 2013 Sep-Oct;7(5):336-43. doi: 10.1016/j.jash.2013.04.011. Epub 2013 Jun 2. PubMed PMID: 23735419; PubMed Central PMCID: PMC3770819.

59. Amlung M, Sweet LH, Acker J, Brown CL, Mackillop J. Dissociable brain signatures of choice conflict and immediate reward preferences in alcohol use disorders. *Addict Biol.* 2012 Dec 12. doi: 10.1111/adb.12017. [Epub ahead of print] PubMed PMID: 23231650; PubMed Central PMCID: PMC3871988.
60. Alosco ML, Spitznagel MB, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, van Dulmen M, Hughes J, Rosneck J, Gunstad J. Dietary habits moderate the association between heart failure and cognitive impairment. *J Nutr Gerontol Geriatr.* 2013;32(2):106-21. doi: 10.1080/21551197.2013.781408. PubMed PMID: 23663211.
61. Philip NS, Sweet LH, Tyrka AR, Price LH, Bloom RF, Carpenter LL. Decreased default network connectivity is associated with early life stress in medication-free healthy adults. *Eur Neuropsychopharmacol.* 2013 Jan;23(1):24-32. doi: 10.1016/j.euroneuro.2012.10.008. Epub 2012 Nov 8. PubMed PMID: 23141153; PubMed Central PMCID: PMC3581700.
62. Garcia S, Alosco ML, Spitznagel MB, Cohen R, Raz N, Sweet L, Josephson R, Hughes J, Rosneck J, Oberle ML, Gunstad J. Cardiovascular fitness associated with cognitive performance in heart failure patients enrolled in cardiac rehabilitation. *BMC Cardiovasc Disord.* 2013 Apr 16;13:29. doi: 10.1186/1471-2261-13-29. PubMed PMID: 23590224; PubMed Central PMCID: PMC3637486.
63. Alosco ML, Brickman AM, Spitznagel MB, van Dulmen M, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. The independent association of hypertension with cognitive function among older adults with heart failure. *J Neurol Sci.* 2012 Dec 15;323(1-2):216-20. doi: 10.1016/j.jns.2012.09.019. Epub 2012 Sep 29. PubMed PMID: 23026535; PubMed Central PMCID: PMC3483380.
64. 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 Psychol.* 2012 Nov;31(6):754-62. doi: 10.1037/a0028711. Epub 2012 Aug 27. PubMed PMID: 22924448; PubMed Central PMCID: PMC3610332.
65. Alosco ML, Spitznagel MB, van Dulmen M, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Cognitive function and treatment adherence in older adults with heart failure. *Psychosom Med.* 2012 Nov-Dec;74(9):965-73. doi: 10.1097/PSY.0b013e318272ef2a. Epub 2012 Oct 31. PubMed PMID: 23115344; PubMed Central PMCID: PMC3498588.
66. Sweet LH, Hassenstab JJ, McCaffery JM, Raynor HA, Bond DS, Demos KE, Haley AP, Cohen RA, Del Parigi A, Wing RR. Brain response to food stimulation in obese, normal weight, and successful weight loss maintainers. *Obesity (Silver Spring).* 2012 Nov;20(11):2220-5. doi: 10.1038/oby.2012.125. Epub 2012 May 9. PubMed PMID: 22569002; PubMed Central PMCID: PMC3483466.
67. 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 Clin Exp Res.* 2012 Oct;24(5):468-74. doi: 10.3275/8186. Epub 2011 Dec 19. PubMed PMID: 22182711.
68. Clark US, Cohen RA, Sweet LH, Gongvatana A, Devlin KN, Hana GN, Westbrook ML, Mulligan RC, Jerskey BA, White TL, Navia B, Tashima KT. Effects of HIV and early life

- stress on amygdala morphometry and neurocognitive function. *J Int Neuropsychol Soc.* 2012 Jul;18(4):657-68. doi: 10.1017/S1355617712000434. Epub 2012 May 24. PubMed PMID: 22621973; PubMed Central PMCID: PMC3575741.
69. Keary TA, Gunstad J, Benitez A, Spitznagel MB, McCaffery J, McGeary JE, Poppas A, Paul RH, Sweet LH, Cohen RA. TCF7L2 polymorphism and cognitive test performance in cardiovascular disease. *Psychogeriatrics.* 2012 Jun;12(2):93-8. doi: 10.1111/j.1479-8301.2011.00398.x. PubMed PMID: 22712642.
 70. Hassenstab JJ, Sweet LH, Del Parigi A, McCaffery JM, Haley AP, Demos KE, Cohen RA, Wing RR. Cortical thickness of the cognitive control network in obesity and successful weight loss maintenance: a preliminary MRI study. *Psychiatry Res.* 2012 Apr 30;202(1):77-9. doi: 10.1016/j.psychres.2011.09.008. Epub 2012 May 16. PubMed PMID: 22595506; PubMed Central PMCID: PMC3380138.
 71. 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. *Int J Cardiol.* 2012 Apr 19;156(2):248-9. doi: 10.1016/j.ijcard.2012.01.037. Epub 2012 Feb 21. PubMed PMID: 22360947; PubMed Central PMCID: PMC3306531.
 72. MacKillop J, Amlung MT, Wier LM, David SP, Ray LA, Bickel WK, Sweet LH. The neuroeconomics of nicotine dependence: a preliminary functional magnetic resonance imaging study of delay discounting of monetary and cigarette rewards in smokers. *Psychiatry Res.* 2012 Apr 30;202(1):20-9. doi: 10.1016/j.psychres.2011.10.003. Epub 2012 May 26. PubMed PMID: 22633679; PubMed Central PMCID: PMC3530421.
 73. Alosco ML, Spitznagel MB, van Dulmen M, Raz N, Cohen R, Sweet LH, 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. *Cardiol Res Pract.* 2012;2012:348054. doi: 10.1155/2012/348054. Epub 2012 Jun 3. PubMed PMID: 22701196; PubMed Central PMCID: PMC3371669.
 74. Knecht KM, Alosco ML, Spitznagel MB, Cohen R, Raz N, Sweet L, Colbert LH, Josephson R, Hughes J, Rosneck J, Gunstad J. Sleep apnea and cognitive function in heart failure. *Cardiovasc Psychiatry Neurol.* 2012;2012:402079. doi: 10.1155/2012/402079. Epub 2012 Jun 14. PubMed PMID: 22745901; PubMed Central PMCID: PMC3382213.
 75. Alosco ML, Spitznagel MB, Raz N, Cohen R, Sweet LH, Colbert LH, Josephson R, van Dulmen M, Hughes J, Rosneck J, Gunstad J. Obesity interacts with cerebral hypoperfusion to exacerbate cognitive impairment in older adults with heart failure. *Cerebrovasc Dis Extra.* 2012 Jan;2(1):88-98. doi: 10.1159/000343222. Epub 2012 Oct 25. PubMed PMID: 23272007; PubMed Central PMCID: PMC3507266.
 76. 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. *J Clin Exp Neuropsychol.* 2012;34(1):1-10. doi: 10.1080/13803395.2011.614596. Epub 2011 Oct 31. PubMed PMID: 22034987.
 77. 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. *J Clin Exp Neuropsychol.* 2012;34(5):509-20. doi: 10.1080/13803395.2012.663344. Epub 2012 Mar 1. PubMed PMID: 22375800; PubMed Central PMCID: PMC3341622.

78. 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. *J Cardiovasc Nurs.* 2012 Jan-Feb;27(1):44-50. doi: 10.1097/JCN.0b013e318216a6cd. PubMed PMID: 21558863; PubMed Central PMCID: PMC3175008.
79. MacKillop J, Brown CL, Stojek MK, Murphy CM, Sweet L, Niaura RS. Behavioral economic analysis of withdrawal- and cue-elicited craving for tobacco: an initial investigation. *Nicotine Tob Res.* 2012 Dec;14(12):1426-34. doi: 10.1093/ntr/nts006. Epub 2012 Mar 13. PubMed PMID: 22416117; PubMed Central PMCID: PMC3509008.
80. 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 Res.* 2011 Nov 30;194(2):119-29. doi: 10.1016/j.psychres.2011.02.003. Epub 2011 Sep 21. PubMed PMID: 21937201; PubMed Central PMCID: PMC3196255.
81. Friedman JH, Abrantes A, Sweet LH. Fatigue in Parkinson's disease. *Expert Opin Pharmacother.* 2011 Sep;12(13):1999-2007. doi: 10.1517/14656566.2011.587120. Epub 2011 Jun 3. Review. PubMed PMID: 21635199.
82. 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. doi: 10.1111/j.1479-8301.2011.00357.x. Epub 2011 Jun 15. PubMed PMID: 21951953.
83. Garcia S, Spitznagel MB, 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. *Cardiovasc Psychiatry Neurol.* 2011;2011:368324. doi: 10.1155/2011/368324. Epub 2011 Dec 13. PubMed PMID: 22195274; PubMed Central PMCID: PMC3238358.
84. MacKillop J, Amlung MT, Few LR, Ray LA, Sweet LH, Munafò MR. Delayed reward discounting and addictive behavior: a meta-analysis. *Psychopharmacology (Berl).* 2011 Aug;216(3):305-21. doi: 10.1007/s00213-011-2229-0. Epub 2011 Mar 4. PubMed PMID: 21373791; PubMed Central PMCID: PMC3201846.
85. Phelan S, Hassenstab J, McCaffery JM, Sweet L, 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. doi: 10.1038/oby.2010.138. Epub 2010 Jun 10. PubMed PMID: 20539296; PubMed Central PMCID: PMC3568684.
86. Sweet LH, Vanderhill SD, Jerskey BA, Gordon NM, Paul RH, Cohen RA. Subvocal articulatory rehearsal during verbal working memory in multiple sclerosis. *Neurocase.* 2010 Oct;16(5):418-25. doi: 10.1080/13554791003620314. Epub 2010 Apr 15. PubMed PMID: 20401804.
87. Okonkwo OC, Alosco ML, Jerskey BA, Sweet LH, Ott BR, Tremont G; Alzheimer's Disease Neuroimaging Initiative. Cerebral atrophy, apolipoprotein E varepsilon4, and rate of decline in everyday function among patients with amnesic mild cognitive impairment. *Alzheimers Dement.* 2010 Sep;6(5):404-11. doi: 10.1016/j.jalz.2010.02.003. PubMed PMID: 20813341; PubMed Central PMCID: PMC2950092.

88. Sweet LH, Mulligan RC, Finnerty CE, Jerskey BA, David SP, Cohen RA, Niaura RS. Effects of nicotine withdrawal on verbal working memory and associated brain response. *Psychiatry Res.* 2010 Jul 30;183(1):69-74. doi: 10.1016/j.psychres.2010.04.014. Epub 2010 Jun 8. PubMed PMID: 20570495; PubMed Central PMCID: PMC2913712.
89. Sweet LH, Jerskey BA, Aloia MS. Default network response to a working memory challenge after withdrawal of continuous positive airway pressure treatment for obstructive sleep apnea. *Brain Imaging Behav.* 2010 Jun;4(2):155-63. doi: 10.1007/s11682-010-9095-y. PubMed PMID: 20502992.
90. Paskavitz JF, Sweet LH, Wellen J, Helmer KG, Rao SM, Cohen RA. Recruitment and stabilization of brain activation within a working memory task; an FMRI study. *Brain Imaging Behav.* 2010 Mar;4(1):5-21. doi: 10.1007/s11682-009-9081-4. Epub 2009 Dec 11. PubMed PMID: 20503110.
91. Aloia MS, Sweet LH, Jerskey BA, Zimmerman M, Arnedt JT, Millman RP. Treatment effects on brain activity during a working memory task in obstructive sleep apnea. *J Sleep Res.* 2009 Dec;18(4):404-10. doi: 10.1111/j.1365-2869.2009.00755.x. Epub 2009 Sep 17. PubMed PMID: 19765205.
92. Irani F, Sweet LH, Haley AP, Gunstad JJ, Jerskey BA, Mulligan RC, Jefferson AL, Poppas A, Cohen RA. A fMRI Study of Verbal Working Memory, Cardiac Output, and Ejection Fraction in Elderly Patients with Cardiovascular Disease. *Brain Imaging Behav.* 2009 Dec;3(4):350-357. PubMed PMID: 23227137; PubMed Central PMCID: PMC3514458.
93. Haley AP, Hoth KF, Gunstad J, Paul RH, Jefferson AL, Tate DF, 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. *Am J Geriatr Psychiatry.* 2009 Nov;17(11):976-85. doi: 10.1097/JGP.0b013e3181b208ef. PubMed PMID: 20104055; PubMed Central PMCID: PMC2813459.
94. 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. *Am J Clin Nutr.* 2009 Oct;90(4):928-34. doi: 10.3945/ajcn.2009.27924. Epub 2009 Aug 12. PubMed PMID: 19675107; PubMed Central PMCID: PMC2744621.
95. 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. doi: 10.1161/STROKEAHA.109.553339. Epub 2009 Jul 9. PubMed PMID: 19590054; PubMed Central PMCID: PMC2752956.
96. 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. *J Cardiovasc Nurs.* 2009 May-Jun;24(3):192-7. doi: 10.1097/JCN.0b013e31819b54de. PubMed PMID: 19390336; PubMed Central PMCID: PMC2700621.
97. Cohen RA, Poppas A, Forman DE, Hoth KF, Haley AP, Gunstad J, 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. *J Clin Exp Neuropsychol.* 2009 Jan;31(1):96-110. doi: 10.1080/13803390802014594. Epub 2008 Jun 16. PubMed PMID: 18608677; PubMed Central PMCID: PMC2739675.

98. Jerskey BA, Cohen RA, Jefferson AL, Hoth KF, Haley AP, Gunstad JJ, Forman DE, Sweet LH, Poppas A. Sustained attention is associated with left ventricular ejection fraction in older adults with heart disease. *J Int Neuropsychol Soc.* 2009 Jan;15(1):137-41. doi: 10.1017/S1355617708090073. PubMed PMID: 19128537; PubMed Central PMCID: PMC2719846.
99. Gunstad J, Keary TA, Spitznagel MB, Poppas A, Paul RH, Sweet LH, Hoth KF, Haley AP, Forman DE, Cohen RA. Blood pressure and cognitive function in older adults with cardiovascular disease. *Int J Neurosci.* 2009;119(12):2228-42. doi: 10.3109/00207450903139713. PubMed PMID: 19916851; PubMed Central PMCID: PMC2899480.
100. 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; 2(3):192-199. DOI 10.1007/s11682-008-9025-4.
101. Browndyke JN, Paskavitz J, Sweet LH, Cohen RA, Tucker KA, Welsh-Bohmer KA, Burke JR, Schmechel DE. Neuroanatomical correlates of malingered memory impairment: event-related fMRI of deception on a recognition memory task. *Brain Inj.* 2008 Jun;22(6):481-9. doi: 10.1080/02699050802084894. PubMed PMID: 18465389; PubMed Central PMCID: PMC2875084.
102. Sweet LH, Paskavitz JF, Haley AP, Gunstad JJ, Mulligan RC, Nyalakanti PK, Cohen RA. Imaging phonological similarity effects on verbal working memory. *Neuropsychologia.* 2008 Mar 7;46(4):1114-23. Epub 2007 Nov 9. PubMed PMID: 18155074.
103. Paul RH, Grieve SM, Niaura R, David SP, Laidlaw DH, Cohen R, Sweet L, Taylor G, Clark RC, Pogun S, Gordon E. Chronic cigarette smoking and the microstructural integrity of white matter in healthy adults: a diffusion tensor imaging study. *Nicotine Tob Res.* 2008 Jan;10(1):137-47. doi: 10.1080/14622200701767829. PubMed PMID: 18188754; PubMed Central PMCID: PMC2276564.
104. Felver-Gant JC, Bruce AS, Zimmerman M, Sweet LH, Millman RP, Aloia MS. Working memory in obstructive sleep apnea: construct validity and treatment effects. *J Clin Sleep Med.* 2007 Oct 15;3(6):589-94. PubMed PMID: 17993040; PubMed Central PMCID: PMC2045718.
105. Haley AP, Forman DE, Poppas A, Hoth KF, Gunstad J, Jefferson AL, Paul RH, Ler AS, Sweet LH, Cohen RA. Carotid artery intima-media thickness and cognition in cardiovascular disease. *Int J Cardiol.* 2007 Oct 1;121(2):148-54. Epub 2006 Dec 28. PubMed PMID: 17196687; PubMed Central PMCID: PMC2042538.
106. 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. *J Neuroimaging.* 2007 Jul;17(3):227-33. PubMed PMID: 17608908.
107. 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. *Cogn Behav Neurol.* 2007 Mar;20(1):73-7. PubMed PMID: 17356348.
108. David SP, Munafò MR, Johansen-Berg H, Mackillop J, Sweet LH, Cohen RA, Niaura R, Rogers RD, Matthews PM, Walton RT. Effects of Acute Nicotine Abstinence on Cue-elicited Ventral Striatum/Nucleus Accumbens Activation in Female Cigarette Smokers: A Functional Magnetic Resonance Imaging Study. *Brain Imaging Behav.* 2007 Dec;1(3-4):43-57. PubMed PMID: 18458752; PubMed Central PMCID: PMC2367252.

109. Cohen RA, Grieve S, Hoth KF, Paul RH, Sweet L, Tate D, Gunstad J, Stroud L, McCaffery J, Hitsman B, Niaura R, Clark CR, McFarlane A, Bryant R, Gordon E, Williams LM. Early life stress and morphometry of the adult anterior cingulate cortex and caudate nuclei. *Biol Psychiatry*. 2006 May 15;59(10):975-82. Epub 2006 Apr 17. Erratum in: *Biol Psychiatry*. 2006 Nov 1;60(9):1023. MacFarlane, Alexander [corrected to McFarlane, Alexander]. PubMed PMID: 16616722.
110. Sweet LH, Rao SM, Primeau M, Durgerian S, Cohen RA. Functional magnetic resonance imaging response to increased verbal working memory demands among patients with multiple sclerosis. *Hum Brain Mapp*. 2006 Jan;27(1):28-36. PubMed PMID: 16001441.
111. Cohen RA, Hitsman BL, Paul RH, McCaffery J, Stroud L, Sweet L, Gunstad J, Niaura R, MacFarlane A, Bryant RA, Gordon E. Early life stress and adult emotional experience: an international perspective. *Int J Psychiatry Med*. 2006;36(1):35-52. PubMed PMID: 16927577.
112. Sweet LH, Paskavitz JF, O'Connor MJ, Browndyke JN, Wellen JW, Cohen RA. FMRI correlates of the WAIS-III symbol search subtest. *J Int Neuropsychol Soc*. 2005 Jul;11(4):471-6. PubMed PMID: 16209427.
113. Sweet LH, Rao SM, Primeau M, Mayer AR, Cohen RA. Functional magnetic resonance imaging of working memory among multiple sclerosis patients. *J Neuroimaging*. 2004 Apr;14(2):150-7. PubMed PMID: 15095561.
114. Sweet LH, Paul RH, Cohen RA, Moser D, Ott BR, Gordon N, Browndyke JN, Shah P, Garrett KD. Neuroimaging correlates of dementia rating scale performance at baseline and 12-month follow-up among patients with vascular dementia. *J Geriatr Psychiatry Neurol*. 2003 Dec;16(4):240-4. PubMed PMID: 14653434.
115. Cohen RA, Brumm V, Zawacki TM, Paul R, Sweet L, Rosenbaum A. Impulsivity and verbal deficits associated with domestic violence. *J Int Neuropsychol Soc*. 2003 Jul;9(5):760-70. PubMed PMID: 12901782.
116. Paul RH, Cohen RA, Moser DJ, Ott BR, Sethi M, Sweet L, Browndyke J, Malloy P, Garrett K. Clinical correlates of cognitive decline in vascular dementia. *Cogn Behav Neurol*. 2003 Mar;16(1):40-6. PubMed PMID: 14765000.
117. Paul RH, Cohen RA, Moser DJ, Browndyke JN, Davis K, Gordon N, Sweet L, Lawrence JJ, Zawacki T. Sensitivity of the dementia rating scale in vascular dementia: comparison between two sets of criteria to define cognitive impairment. *Cerebrovasc Dis*. 2003;15(1-2):116-20. PubMed PMID: 12499720.
118. Cohen RA, Browndyke JN, Moser DJ, Paul RH, Gordon N, Sweet L. Long-term citicoline (cytidine diphosphate choline) use in patients with vascular dementia: neuroimaging and neuropsychological outcomes. *Cerebrovasc Dis*. 2003;16(3):199-204. PubMed PMID: 12865605.
119. Cohen RA, Paul R, Zawacki TM, Moser DJ, Sweet L, Wilkinson H. Emotional and personality changes following cingulotomy. *Emotion*. 2001 Mar;1(1):38-50. PubMed PMID: 12894810.
120. Sweet LH, Primeau M, Fichtner CG, Lutz G. Dissociation of affect recognition and mood state from blunting in patients with schizophrenia. *Psychiatry Res*. 1998 Dec 14;81(3):301-8. PubMed PMID: 9925181.

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 Clinical Neuroscience*. 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 Clinical Neuroscience*. 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 Clinical Neuroscience*. 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*. 2013, Wiley-Blackwell, New York.
8. Liebel, SW, & Sweet, LH (in press). Effects of cardiovascular disease and related risk factors on neurocognition. In RA Stern & ML Alosco (Eds), *The Oxford Handbook of Adult Cognitive Disorders*.

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.
6. Sweet, LH and Jerskey, BA. Working Memory. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2018, Springer, New York.
7. Sweet, LH. Default Network. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2018, Springer, New York.
8. Sweet, LH. N-Back Paradigm. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2018, Springer, New York.
9. Sweet, LH. Information Processing Speed. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2018, Springer, New York.
10. Sweet, LH. Symbol Search. In Kreutzer, J, DeLuca, and J, Caplan, B (Editors). *Encyclopedia of Clinical Neuropsychology*. 2018, Springer, New York.

ACTIVE GRANTS

1. NIDA R34 DA039291-01A1, PI: Michael Stein 2016-2019
Neuroimaging Predictors of Relapse during Treatment for Opiate Dependence
Role: Co-Investigator
2. NIDA P30 P30DA027827, PI: Gene Brody, 2014-2019
Vulnerability to Drug Use & HIV: Advancing Prevention for Rural African Americans
Role: Core Director

COMPLETED GRANTS

1. NIDDK K01DK090445, PI: Kathryn Demos, 2011-2016
The Neural Correlates of Food Choice Decision-Making in Obesity and Weight Loss
Role: Co-Mentor
2. NIMH K23MH096628, PI: Uraina Clark, 2012-2017
Effects of Early-Life Stress on HIV-Associated Brain Dysfunction in Adults
Role: Primary Mentor
3. VA Career Development Award, PI: Noah Philip 2013-2018
Early Life Stress and the Default Mode Network
Role: Co-Mentor
4. NIDA R21DA031269-01A1, PI: Lawrence Sweet, 2012-2015
Neuroimaging approaches to improve prediction of relapse during smoking cessation
Role: Principal Investigator
5. NCI U01CA150387, PI: Rena Wing, 2009-2015
Increasing Sleep Duration: A novel approach to weight control
Role: Co-Investigator
6. NHLBI R01HL089311, PI: Gunstad, 2008-2013
Cognitive benefits of cardiac rehabilitation in heart failure
Role: Co-Investigator
7. National Multiple Sclerosis Society RG 4283A2/2 (Phase 1), PI: Albert Lo, 2011-2013

Multiple Sclerosis: prevalence and social functioning by disease duration and subtype
Role: Co-Investigator

8. NHLBI R01HL084178-01A1, PI: Lawrence Sweet, 2007-2012
Hemodynamic and Cognitive Function in Cardiovascular Disease
Role: Principal Investigator
9. NIAAA K99AA020235, PI: Assawin Gongvatana, 2011-2014
Impact of Alcohol Use and HIV Infection on Brain Connectivity Abnormalities
Role: Co-Mentor 2010-2012
10. NCI P50CA084719-060002, PI: Sweet/Niaura, 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
11. NIDA R01DA020725, PI: Tara White, 2007-2011
Amphetamine effects on fMRI and behavior: Genetic and Personality Differences
Role: Co-Investigator
12. NIA F32AG03284701, Jason Hassenstab, 2008-2010
An FMRI study of verbal working memory in metabolic syndrome
Role: Co-Mentor
13. NIDA R03DA022137, PI: Robert Paul, 2006-2007
Functional Neuroimaging of Cognitive Dysfunction in HIV-HCV Co-Infection.
Role: Co-Investigator
14. NIDDK R01DK066787-S2, PI: Rena Wing, 2004-2007
Long-Term Weight Loss Maintenance: FMRI
Role: Co-Investigator
15. NIDA R03DA017178, PI: Tara White, 2003-2006
Individual differences in amphetamine use
Role: Co-Investigator
16. NINDS 1F32NS042404, PI: Lawrence Sweet, 2001-2003
Cognitive speed and working memory in multiple sclerosis.
Role: Principal Investigator
17. DHHS, Health Resources & Services Administration, PI: Lawrence Price, 2010
Health Care and Other Facilities (Butler Hospital Neuroimaging Center)
Role: Director, Butler Hospital Neuroimaging Center
18. Russell Sage Foundation, PI: James MacKillop, 2007-2008
Grants in Behavioral Economics: Neuroeconomics of Nicotine Dependence
Role: Co-Investigator
19. Lifespan Developmental Grant Program, PI: David Williams, 2007-2008
Exercise as a treatment for depression: exploring brain mechanisms via FMRI
Role: Co-Investigator
20. Ittleson Foundation, PI: Lawrence Sweet, 2004-2006
Age, Cardiovascular Health, FMRI and Cognitive Function
Role: Principal Investigator

21. Ittleson Foundation, PI: Ronald Cohen, 2003-2004
The effects of nicotine on brain activity during working memory
Role: Co-Investigator
22. Ittleson Foundation, PI: Ronald Cohen, 2003-2004
The effects of donepezil on brain activity in Alzheimer's disease
Role: Co-Investigator
23. Ittleson Foundation, PI: Mark Aloia, 2004-2006
The effects of treatment for sleep apnea on brain activity
Role: Co-Investigator
24. Pfizer Inc clinical protocol Q1026, PI: James Paskavitz, 2004-2005
Efficacy of anticholinergic medication in Alzheimer's disease as assessed by FMRI
Role: Co-Investigator
25. Brown University, PI: Alesandra Kazura, 2005-2006
Translational Brain Research: Neurobehavioral correlates of adolescent smoking
Role: Co-Investigator
26. Brain Sciences Program Pilot Research Project, PI: Laura Stroud, 2006
Neural circuits of social rejection stress in at-risk adolescents
Role: Co-Investigator
27. Ittleson Foundation, PI: John Gunstad, 2005-2006
Genetic risk hypertension, visual working memory, and brain activity
Role: Co-Investigator

UNIVERSITY TEACHING ROLES

| | |
|--------------|---|
| 2018 | Instructor, Neuropsychological Assessment (PSYC 8550) |
| 2017 | Instructor, First Year Odyssey Seminar (FYOS 1001) Brain Structure, Function and Dysfunction (16 undergraduates) |
| 2014-present | Supervised Center for Undergraduate Research Opportunities (CURO), University of Georgia Department of Psychology CURO Research Courses (5 students) CURO Summer Research Fellowship (2 Students) |
| 2014-present | Directed Undergraduate Research (PSYCH 4800), University of Georgia Department of Psychology (16 students) |
| 2014-present | Instructor, Neuroanatomy (PSYCH 8300), University of Georgia Department of Psychology (average of 8 graduate students annually) |
| 2013-present | Co-Mentor, VA Career Development Award, PI: Noah Philip; Early Life Stress and the Default Mode Network |
| 2013 | Instructor, Psychopathology (PSYCH 4240), University of Georgia Department of Psychology (42 undergraduates) |
| 2012-present | Primary Mentor, NIMH K23MH096628, PI: Uraina Clark, Effects of Early-Life Stress on HIV-Associated Brain Dysfunction in Adults |
| 2011-present | Co-Mentor, K01DK090445, PI: Kathryn Demos, Neural Correlates of Food Choice Decision-Making in Obesity and Weight Loss |

- 2011-2013 Co-Mentor, K99AA020235, PI: Assawin Gongvatana, Impact of Excessive Alcohol Use in HIV-Associated Brain Dysfunction: A DTI Study
- 2011-2012 Mentor, Diversity Mentoring Program, Brown University Clinical Psychology Training Consortium (one postdoctoral fellow)
- 2009-2012 Co-Mentor, T32AA007459, PI: Peter Monti, Alcohol Intervention/ Treatment Outcome Research Training, Brown University Public Health Program (two postdoctoral fellows)
- 2009-2013 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)
- 2009-2010 Co-Mentor, T32MH067553, PI: Ivan Miller, Training in Treatment Research Fellowship, Department of Psychiatry and Human Behavior (one postdoctoral fellow)
- 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
- 2005–2012 Research Mentor, Clinical Research, Brown University Clinical Psychology Training Consortium (five 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)
- 2005-2012 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
- 2003-2012 Annual Presenter, Neuropsychology Seminars, Brown University Clinical Psychology Training Consortium (five Psychology Residents annually)
- 2003-2011 Training grants
- 2003-2012 Functional Neuroimaging

DISSERTATION COMMITTEES (University of Georgia)

Complete

Cutter Lindbergh, PhD, Clinical Psychology Program, 2017

Joshua Gray, PhD, Clinical Psychology Program, 2016
Nicolette Schwarz, PhD, Behavioral and Brain Sciences Program, 2015 (Chair)
Cara Murphy, PhD, Clinical Psychology Program, 2015

Active

Catherine Mewborn, MS, Clinical Psychology Program
Megan Filkowski, MS, Behavioral and Brain Sciences Program
Bryant Duda, MS, Clinical Psychology Program (Chair)
Spencer Liebel, MS, Clinical Psychology Program (Chair)
Brittany Hawkshead, MS, Clinical Psychology Program (Chair)
Max Owens, MS, Behavioral and Brain Sciences Program (Chair)
Tim Wanger, MS, Behavioral and Brain Sciences Program (Chair)
Emily Hallowell, MA, Clinical Psychology Program (Chair)
Katherine Visser, MS, Clinical Psychology

MASTERS COMMITTEES (University of Georgia)

Complete

Thitapa Shinaprayoon, Behavioral and Brain Sciences Program, 2016
Catherine Mewborn, Clinical Psychology Program, 2017
Max Owens, Clinical Psychology Program, 2017 (Chair)
Bryant Duda, Clinical Psychology Program, 2017 (Chair)
Spencer Liebel, Clinical Psychology Program, 2017 (Chair)
Brittany Hawkshead, Clinical Psychology Program, 2017 (Chair)

Active

Ivan Ruiz, Clinical Psychology Program
Talia Robinson, Clinical Psychology Program
Marissa Gogniat, Clinical Psychology Program
Shannon McNally, Clinical Psychology Program (Chair)
Erin Jones, Clinical Psychology Program (Chair)

COURSES (University of Georgia)

Classroom

FYOS 1001 Brain Structure, Function, and Dysfunction
PSYC 4240 Psychopathology
PSYC 8300 Neuroanatomy
PSYC 8550 Neuropsychology

Directed Studies

BIOL 4960H
HONS 4960H
HONS 4970H
HONS 4980H
PSYC 4800
PSYC 4850
PSYC 4960H
PSYC 4970H
PSYC 7000
PSYC 7300

PSYC 8330
PSYC 9000
PSYC 9100
PSYC 9300