

Curriculum Vitae
JEROME CARSON SMITH II

NOTARIZATION: I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature:

Date: 17 April 2018

PERSONAL INFORMATION

Office:

Department of Kinesiology | School of Public Health | University of Maryland
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Current Rank: Associate Professor; seventh academic year of University appointment

EDUCATION

- 2000- Postdoctoral Research Fellow
- 2005 NIH NRSA – Affective Neuroscience and Psychophysiology
University of Florida, Gainesville, FL
Department of Clinical and Health Psychology
NIMH Center for the Study of Emotion and Attention
Co-Advisors: Peter J. Lang, Ph.D., Margaret M. Bradley, Ph.D.

- 1994- Doctor of Philosophy in Exercise Science
- 2000 Concentration: Exercise Psychology
University of Georgia, Athens, GA
Advisor: Patrick J. O'Connor, Ph.D.

- 1989- Bachelor of Science in Exercise Science
- 1993 Bachelor of Science in Psychology
Arizona State University, Tempe, AZ
Summa Cum Laude, Double Major

CURRENT APPOINTMENTS

- 2014- Associate Professor
Department of Kinesiology
School of Public Health
Director, Kinesiology Undergraduate Honors Program
Director, Cognitive Motor Neuroscience Laboratories
Full Member, Neuroscience and Cognitive Science Program
Full Member, Maryland Neuroimaging Center
Full Member, Brain and Behavior Initiative
University of Maryland
College Park, MD

2012- Co-Principal Investigator
Baltimore Veterans Administration
Without Compensation (WOC) Appointment
Baltimore, MD

2007- Assistant Adjunct Professor
Department of Neurology
Medical College of Wisconsin
Milwaukee, WI

WORK EXPERIENCE

2011- Assistant Professor
2014 Department of Kinesiology
School of Public Health
Neuroscience and Cognitive Science Program
Maryland Neuroimaging Center
University of Maryland
College Park, MD

2010- Assistant Professor
2011 Department of Health Sciences, Biomedical Sciences Program
College of Health Sciences
University of Wisconsin-Milwaukee
Milwaukee, WI

2005- Assistant Professor
2010 Department of Human Movement Sciences
College of Health Sciences
University of Wisconsin-Milwaukee
Milwaukee, WI

2000- Post-Doctoral Fellow
2005 NIMH – Center for the Study of Emotion and Attention
Department of Clinical and Health Psychology
University of Florida
Gainesville, FL

1994- Graduate Research and Teaching Assistant
2000 Exercise Psychology Laboratory (RA)
Exercise Physiology Laboratory (TA)
Department of Exercise Science
University of Georgia
Athens, GA

RESEARCH, SCHOLARLY AND CREATIVE ACTIVITIES

[†] denotes senior or lead author; [§] denotes student/mentee of Dr. Smith; * denotes Dr. Smith's role as the leader of a physical activity and brain function sub-team on a interdisciplinary collaborative project; All publications starting 2012 are with University of Maryland affiliation.

Publication Impact: From Web of Science, as of October 16, 2017: Authorship "h-index" = 16 (16 publications cited 16 or more times; see *Nature* 436:900, 2005). Total Citations = 840; Average Citations per Article = 22.5.

My Bibliography (NCBI):

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1FS8eA8DmZikW/bibliography/48742493/public/?sort=date&direction=descending>

ARTICLES IN REFEREED JOURNALS

1. Kelly D, Seidenberg M, Durgerian S, Nielson KA, Woodard JL, **Smith JC**, and Rao SM (in press). Differential 5-Year brain atrophy rates in cognitively declining and stable *APOE-ε4* elders. *Neuropsychology*.
2. Won J, Wu S, Ji H, **Smith JC**, Park JJ (2017). Executive function and the P300 after treadmill exercise and futsal in college soccer players. *Sports*, 5, 73; doi:10.3390/sports5040073
3. Chirles TJ[§], Reiter K, Weiss LR[§], Alfini AJ[§], Nielson KA, and **Smith JC**[†] (2017). Exercise training and functional connectivity changes in MCI and healthy elders. *Journal of Alzheimer's Disease*, 57, 845-856. doi: 10.3233/JAD-161151, PMID: 28304298
4. Progovac AM, Chang Y-F, Chang C-C, Matthews KA, Donohue JM, Scheier MF, Habermann EB, Kuller L, Goveas JS, Chapman BP, Duberstein PR, Messina CR, Weaver KE, Saquib N, Wallace RB, Kaplan RC, Calhoun D, **Smith JC**, and Tindle HA (2017). Are optimism and cynical hostility associated with smoking cessation in older women? *Annals of Behavioral Medicine*. doi: 10.1007/s12160-016-9873-x
5. Kay CD, Seidenberg M, Durgerian S, Woodard JL, Nielson KA, **Smith JC**, Hazlett KE, Figueroa CM, and Rao SM[†] (2017). Motor timing intraindividual variability in amnesic mild cognitive impairment and cognitively intact elders at genetic risk for Alzheimer's disease. *Journal of Clinical and Experimental Neuropsychology*. DOI:[10.1080/13803395.2016.1273321](https://doi.org/10.1080/13803395.2016.1273321)
6. Reiter K, Nielson KA, Durgerian S, Woodard JL, **Smith JC**, Seidenberg M, Kelly DA, and Rao SM (2017). Five-year longitudinal brain volume change in healthy elders at genetic risk for Alzheimer's disease. *Journal of Alzheimer's Disease*, 55, 1363-1377.
7. Lancaster MA, Seidenberg M, **Smith JC**, Nielson KA, Woodard JL, Durgerian S, and Rao SM (2016). Diffusion tensor imaging predictors of cognitive decline in healthy older adults. *Journal of the International Neuropsychological Society*, 22, 1005-1015. DOI:10.1017/S1355617716000904
8. Alfini AJ[§], Weiss LR[§], Leitner BP[§], Smith TJ[§], Hagberg JM, and **Smith JC**[†] (2016). Hippocampal and cerebral blood flow after exercise cessation in master athletes. *Frontiers in Aging Neuroscience*, 8, 184. DOI: 10.3389/fnagi.2016.00184; PMID: [27547184](https://pubmed.ncbi.nlm.nih.gov/27547184/); PMCID: [PMC4974847](https://pubmed.ncbi.nlm.nih.gov/PMC4974847/)
9. **Smith JC**, Lancaster MA, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, Sakaie K, and Rao SM[†] (2016). Interactive effects of physical activity and *APOE-ε4* on white matter tract diffusivity in healthy elders. *NeuroImage*. 131, 102-112. Special Issue on Neuroplasticity. DOI:[10.1016/j.neuroimage.2015.08.007](https://doi.org/10.1016/j.neuroimage.2015.08.007)
10. Goveas JS, Driscoll I, Espeland MA, Hogan PE, Kesler SR, Manson JE, Rossom RC, Rapp S, Resnick SM, **Smith JC**, Tindle HA, Yaffe K, Zaslavsky O (2016). Predictors of optimal cognitive aging in 80+ women: The Women's Health Initiative Memory Study. *The Journals*

of *Gerontology Series A: Biological Sciences and Medical Sciences*, 71, S62-S71.
DOI:10.1093/gerona/glv055

11. Reiter K, Nielson KA, Smith TJ[§], Weiss LR[§], Alfini AJ[§], and **Smith JC**[†] (2015). Increased cardiorespiratory fitness is associated with increased cortical thickness in MCI. *Journal of the International Neuropsychological Society*, 21, 757-767. Special Issue: Physical Activity and Brain Plasticity. DOI: 10.1017/S135561771500079X
12. **Smith JC**, Erickson KI, and Rao SM (2015). Introduction to the JINS Special Issue: Physical Activity and Brain Plasticity. *Journal of the International Neuropsychological Society*, 21, 743-744. Invited Editorial for the Special Issue: Physical Activity and Brain Plasticity. DOI:10.1017/S1355617715001149
13. Rao SM[†], Bonner-Jackson A, Nielson KA, Seidenberg M, **Smith JC**, Woodard JL, and Durgerian S (2015). Genetic risk for Alzheimer's disease alters the five-year trajectory of semantic memory activation in cognitively intact elders. *NeuroImage*, 111, 136-146. DOI:10.1016/j.neuroimage.2015.02.011
14. Kauffman DC[§], Clark JF, and **Smith JC**[†] (2015). The influence of sport goggles on visual target detection in female intercollegiate athletes. *Journal of Sports Sciences*, 33, 1117-1123. DOI: 10.1080/02640414.2014.987156
15. Vaughn L, Erickson KI, Espeland MA, **Smith JC**, Tindle H, and Rapp SR[†] (2014). Concurrent and longitudinal relationships between cognitive activity, cognitive performance, and brain volume in older women. *Journal of Gerontology: Psychological Sciences*, 69(6), 826-836. DOI:10.1093/geronb/gbu109
16. **Smith JC**, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, Hazlett KE, Figueroa CM, Kandah CC, Kay CD, Matthews MA, and Rao SM[†] (2014). Physical activity reduces hippocampal atrophy in elders at genetic risk for Alzheimer's disease. *Frontiers in Aging Neuroscience*, 6 (61), 1-7. DOI:10.3389/fnagi.2014.00061
17. Sugarman M, Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Durgerian S, Norman AL, Matthews MA, Lancaster MA, Hazlett KE, Figueroa CM, Kay CD, Kandah CC, and Rao SM[†] (2014). Performance variability during a multitrial list-learning task as a predictor of future cognitive decline in healthy elders. *Journal of Clinical and Experimental Neuropsychology*, 36, 236-243. DOI: 10.1080/13803395.2013.877875
18. **Smith JC**[†], Nielson KA, Antuono P, Lyons J-A, Hanson RJ[§], Butts AM, Hantke N, and Verber MD (2013). Semantic memory fMRI and cognitive function after exercise intervention in mild cognitive impairment. *Journal of Alzheimer's Disease*, 37, 197-215. DOI: 10.3233/JAD-130467; PMC4643948.
19. Seidenberg M, Guidotti L, Woodard JL, Nielson KA, **Smith JC**, Lancaster MA, Matthews M, Hantke NC, Butts AM, and Rao SM[†] (2013). Recognition of famous names predicts cognitive decline in healthy elders. *Neuropsychology*, 27, 333-342. DOI: 10.1037/a0032226
20. **Smith JC**[†], Nielson KA, Woodard JL, Seidenberg M, and Rao SM (2013). Physical activity and brain function in older adults at increased risk for Alzheimer's disease. *Brain Sciences*, 3, 54-83. DOI: 10.3390/brainsci3010054. Invited review, special issue: Exercise and Brain Function.
21. **Smith JC**[†] (2013). Effects of emotional exposure on state anxiety after acute exercise. *Medicine and Science in Sports and Exercise*, 45, 372-378. DOI: 10.1249/MSS.0b013e31826d5ce5
22. Hantke N, Nielson KA, Woodard JL, Guidotti L, Butts AM, Seidenberg M, **Smith JC**, Durgerian S, Lancaster M, Matthews M, Sugarman MA, and Rao SM[†] (2013). Comparison of semantic and episodic memory BOLD fMRI activation in predicting cognitive decline in older adults. *Journal of the International Neuropsychological Society*, 19, 11-22. DOI:10.1017/S1355617712000951. PMID: [PMC3584558](#)
23. Keil A, Costa V, **Smith JC**, Sabatinelli D, McGinnins EM, Bradley MM, and Lang PJ[†] (2012). Tagging cortical networks in emotion: a topographical analysis. *Human Brain Mapping*, 33(12), 2920-2931. DOI: 10.1002/hbm.21413.

24. Sugarman M, Woodard JL, Nielson KA, Seidenberg M, **Smith JC***, Durgerian S, and Rao SM[†] (2012). Functional magnetic resonance imaging of semantic memory as a presymptomatic biomarker of Alzheimer's disease risk. *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1822, 442-456. Invited review, special issue: Imaging Brain Aging and Neurodegenerative Disease. DOI:[10.1016/j.bbadis.2011.09.016](https://doi.org/10.1016/j.bbadis.2011.09.016)
25. Woodard JL, Nielson KA, Sugarman M, **Smith JC***, Seidenberg M, Durgerian S, Butts AM, Hantke NC, Lancaster MA, and Rao SM[†] (2012). Lifestyle and genetic contributions to cognitive decline and hippocampal integrity in healthy aging. *Current Alzheimer Research*, 9, 436-446. PMID:[PMC3584642](https://pubmed.ncbi.nlm.nih.gov/23584642/)
26. Tian Q[§] and **Smith JC**[†] (2011). Attentional bias to emotional stimuli is altered during moderate but not high intensity exercise. *Emotion*, 11, 1415-1424. DOI: [10.1037/a0023568](https://doi.org/10.1037/a0023568).
27. **Smith JC***, Nielson KA, Woodard JL, Antuono P, Seidenberg M, Durgerian S, Verber MD, Butts AM, Hantke NC, Lancaster MA, and Rao SM[†] (2011). Does physical activity influence semantic memory activation in amnesic mild cognitive impairment? *Psychiatry Research: Neuroimaging*, 193, 60-62. DOI: 10.1016/j.pscychresns.2011.04.001. PMID: [PMC3105157](https://pubmed.ncbi.nlm.nih.gov/2105157/)
28. Shields MR[§], Larson CL, Swartz AM, and **Smith JC**[†] (2011). Visual threat detection during moderate and high intensity exercise. *Emotion*, 11, 572-581. DOI: 10.1037/a0021251
29. **Smith JC***, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, Antuono P, Butts A, Hantke N, Lancaster MA, and Rao SM[†] (2011). Interactive effects of physical activity and APOE-e4 on BOLD semantic memory activation in healthy elderly. *NeuroImage*, 54, 635-644. DOI: 10.1016/j.neuroimage.2010.07.070
30. **Smith JC**[†], Paulson ES, Cook DB, Verber M, and Tian Q[§] (2010). Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. *Journal of Neuroscience Methods*, 191, 258-262. DOI:10.1016/j.jneumeth.2010.06.028
31. Woodard JL, Seidenberg M, Nielson KA, **Smith JC**, Antuono P, Durgerian S, Guidotti L, Zhang Q, Butts A, Hantke N, Lancaster M, and Rao SM[†] (2010). Prediction of cognitive decline in healthy older adults using fMRI. *Journal of Alzheimer's Disease*, 21, 871-885. DOI:10.3233/JAD-2010-091693.
32. **Smith JC**[†], Zalewski KR, Motl RW, Van Hart M, Malzahn JT (2010). The contributions of self-efficacy, trait anxiety, and fear of falling to physical activity behavior among residents of continuing care retirement communities. *Ageing Research*, 2, e3. DOI:10.4081/ar.2010.e4.
33. Zalewski KR[†], **Smith JC**, Malzahn J, VanHart M, and O'Connell D (2009). Measures of physical ability are unrelated to objectively measured physical activity behavior in older adults residing in continuing care retirement communities. *Archives of Physical Medicine and Rehabilitation*, 90, 982-986. DOI: 10.1016/j.apmr.2008.12.013
34. Löw A, Lang PJ[†], **Smith JC**, and Bradley MM (2008). Both predator and prey: Emotional arousal in threat and reward. *Psychological Science*, 19, 865-873. DOI: 10.1111/j.1467-9280.2008.02170.x
35. Keil A, **Smith JC**, Wangelin B, Bradley MM, Sabatinelli D, and Lang PJ[†] (2008). Electrocortical and electrodermal responses co-vary as a function of emotional arousal: A single-trial analysis. *Psychophysiology*, 45, 516-523. DOI: 10.1111/j.1469-8986.2008.00667.x
36. Crabbe JB, **Smith JC**, and Dishman RK[†] (2007). Emotional & electroencephalographic responses during affective picture viewing after exercise. *Physiology and Behavior*, 90, 394-404. DOI: 10.1016/j.physbeh.2006.10.001
37. **Smith JC**, Löw A, Bradley MM, and Lang PJ[†] (2006). Rapid picture presentation and affective engagement. *Emotion*, 6, 208-214. DOI: 10.1037/1528-3542.6.2.208
38. **Smith JC**[†] and Cook DB (2005). Methodology in psychophysiological studies of physical activity. *International Journal of Sport and Exercise Psychology*, 3, 534-553. Invited review for special issue, "Five Decades of Sport and Exercise Psychology: A Festschrift for William P. Morgan".

39. **Smith JC**, Bradley MM and Lang PJ[†] (2005). State anxiety and affective physiology: Effects of sustained exposure to affective pictures. *Biological Psychology*, 69, 247-260. DOI: 10.1016/j.biopsycho.2004.09.001
40. **Smith JC[†]** and Motl RW (2005). Electromyographic indices of neuromuscular reflexes. *International Journal of Sport and Exercise Psychology*, 3, 322-337. Invited review.
41. **Smith JC[†]** and O'Connor PJ (2003). Physical activity does not disturb the measurement of startle and corrugator responses during affective picture viewing. *Biological Psychology*, 63(3), 293-310. DOI: 10.1016/S0301-0511(03)00072-3
42. **Smith JC[†]**, O'Connor PJ, Crabbe JB, and Dishman, RK (2002). Emotional responsiveness after low- and moderate-intensity exercise and seated rest. *Medicine and Science in Sports and Exercise*, 34(7), 1158-1167.
43. O'Connor PJ[†] and **Smith JC** (1999). Using mood to optimize endurance training and prevent staleness. *Vlaams tijdschrift voor Sportgeneeskunde and Sportwetenschappen (Flemish Journal of Sportsmedicine and Sportscience)*, 80(3), 14-19. Invited review.
44. Homa D[†], **Smith C**, Macak C, Johovich J, and Osorio D (2001). Recognition of facial prototypes: The importance of categorical structure and degree of learning. *Journal of Memory and Language*, 44, 443-474. DOI: 10.1006/jmla.2000.2723
45. **Smith JC[†]** and Crabbe JB (2000). Emotion and exercise. *International Journal of Sport Psychology*, 31, 156-174. Invited review.
46. O'Connor PJ[†], **Smith JC**, and Morgan WP (2000). Physical activity does not provoke panic attacks in patients with panic disorder: A review of the evidence. *Anxiety, Stress, and Coping*, 13, 333-353. Review. DOI: 10.1080/10615800008248340
47. Cook DB, O'Connor PJ[†], Eubanks S, **Smith JC**, and Lee M (1997). Naturally occurring muscle pain during exercise: Assessment and experimental evidence. *Medicine and Science in Sports and Exercise*, 29, 999-1012. DOI: 10.1097/00005768-199708000-00004
48. Homa D[†], Goldhardt B, Burruel-Homa L, and **Smith JC** (1993). The influence of manipulated category knowledge on prototype classification and recognition. *Memory and Cognition*, 21, 529-538. DOI: 10.3758/BF03197184

BOOK CHAPTERS (peer reviewed)

49. **Smith JC[†]**, Alfini AJ[§], Smith TM[§], and Weiss LR[§] (2015). The role of physical activity for brain health through Alzheimer's disease progression. In L Li (Ed.), *Therapeutic Physical Activities*, Nova Science Publishers, Inc., New York.
50. **Smith JC[†]** (2014). Affective Disorders. In RC Eklund and G Tenenbaum (Eds), *Encyclopedia of Sport and Exercise Psychology*, pp. 18-19, Los Angeles: SAGE.
51. **Smith JC[†]** (2014). Neuroscience, Exercise, and Cognitive Function. In RC Eklund and G Tenenbaum (Eds), *Encyclopedia of Sport and Exercise Psychology*, pp. 501-504, Los Angeles: SAGE.
52. O'Connor PJ[†] and **Smith JC** (1999). Physical activity and eating disorders. In JM Rippe (Ed.), *Lifestyle Medicine*. Blackwell Scientific Publications, Boston, 1005-1115.

MANUSCRIPTS IN REVIEW/PREPARATION

1. Smith JC, Erickson KI, Sively B, Hogan P, Casanova R, Goveas J, Manini TM, Driscoll I, Vaughn AL, Barnes D, Baker LD, Foy C, Sink KM, Espeland MA, Resnick S, and Rapp S (in prep). Associations between physical activity, APOE, and hippocampal volume in the Women's Health Initiative Memory Study. *Journal of the American Geriatric Society*.
2. Chirles TJ[§] and Smith JC[†] (in prep). Modulation of attentional bias after exercise in high trait anxious women.
3. Seidenberg M, Durgerian S, Nielson KA, Woodard JL, **Smith JC**, and Rao SM (in prep). Longitudinal study of recognition accuracy for recent and remote famous names in mild cognitive impairment.

4. Alfini AJ[§], Weiss LR[§], Nielson KA, and **Smith JC**⁺ (in prep). Resting cerebral blood flow changes in MCI and healthy elders after an exercise intervention.
5. **Smith JC**⁺, Zhan W, Nielson KA, Alfini AJ[§], and Weiss LR[§] (in prep). White matter diffusivity in MCI and healthy elders after an exercise intervention.
6. Lancaster MA, Seidenberg M, **Smith JC**, Nielson KA, Woodard JL, Durgerian S, and Rao SM (in prep). Diffusion tensor imaging and structural MRI across the Alzheimer's disease risk continuum.

INVITED NATIONAL PRESENTATIONS

1. **Smith JC** (2017). Physical activity and brain plasticity with increased risk for Alzheimer's disease. Invited symposium presentation at the Annual Meeting of the American College of Sports Medicine and the World Congress on Exercise and the Brain, Denver, CO. *Medicine and Science in Sports and Exercise*, 49 (5, Suppl).
2. **Smith JC** (2016). The Neuroprotective Effects of Exercise with Increased Risk for Alzheimer's Disease. Invited symposium presentation at the Annual Meeting of the Society for Psychophysiological Research, Minneapolis, MN.
3. **Smith JC** (2015). Physical Activity, Neural Plasticity, and Risk for Alzheimer's Disease. Invited symposium presentation at the Annual Meeting of the American College of Sports Medicine, San Diego, CA.
4. **Smith JC** (2015). Exercise and Physical Activity Along the Alzheimer's Risk Continuum. Invited symposium presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
5. **Smith JC** and Nielson KA (2013). Exercise and brain function with increased risk for AD. *Gerontologist*, 53, 539. Invited symposium presentation, "VA GRECC Symposium: Ischemia and Exercise in the Pathogenesis and Treatment of Cognitive Decline". Annual Meeting of the Gerontological Society of America, New Orleans, LA.
6. **Smith JC** (2013). Exercise and brain function with increased risk for Alzheimer's Disease. *Medicine and Science in Sports and Exercise*, 44 (5, Suppl). Invited symposium presentation at the Annual Meeting of the American College of Sports Medicine, Indianapolis, IN.
7. **Smith JC** (2013). The neuro-protective effects of exercise in older adults at increased risk for Alzheimer's disease. Invited symposium presentation at the Annual Meeting of the Society for Brain Mapping and Therapeutics, Baltimore, MD.
8. **Smith JC**, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, Hantke N, Lancaster MA, Matthews MA, Sugarman M, Figueroa C, Hazlett K, Kay C, Norman A, Kandah C, and Rao S.M. (2013). Longitudinal associations between physical activity, cognitive decline, and hippocampal volume in healthy APOE-e4 carriers. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 64. Invited presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa HI.
9. **Smith JC**, Verber MD, Nielson KA, Antuono P, Hanson RJ, Mattes, AJ, Butts AM and Hantke NC (2011). Effects of walking exercise on white matter integrity in amnesic mild cognitive impairment. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 30. Invited presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
10. **Smith JC** (2011). Multi-Modal MR Imaging. Invited Symposium Presentation, Exercise and the Brain - Current Approaches in Human Neurophysiology. The 58th Annual Meeting of the American College of Sports Medicine in Denver, CO.
11. **Smith JC** (2010). Exercise and brain health. Invited presentation at the Center for BrainHealth, Department of Psychological Sciences, University of Texas, Dallas, TX.
12. **Smith JC** (2007). Exercise and the emotional brain. Invited presentation at the Department of Kinesiology Seminar, University of Illinois at Urbana-Champaign.
13. **Smith JC** (2006). Physical activity, negative affect, and the reflex physiology of emotion.

Medicine and Science in Sports and Exercise, 38 (5, Suppl 1), S62. Featured Science Session presentation at the 53st Annual Meeting of the American College of Sports Medicine, Denver, CO.

14. **Smith JC**, Bradley MM, and Lang PJ (2004). Sustained exposure to emotional pictures: effects of mood state. Invited Symposium presentation at the 38th Annual Meeting of the Association for the Advancement of Behavior Therapy in New Orleans, LA.
15. **Smith JC** (2004). Invited Discussant for Invited Symposium, Psychophysiology of Emotional Processing: The Influence of Individual Differences, The 38th Annual Meeting of the Association for the Advancement of Behavioral Therapy, New Orleans, LA.

INVITED LOCAL PRESENTATIONS

1. **Smith JC** (2015). The Profits of Exercise with Increased Risk for AD. Invited presentation at the Johns Hopkins University Dementia Consortium, Baltimore, MD.
2. **Smith JC** (2015). The Role of Exercise in the Fight Against Alzheimer's Disease. Invited presentation at the Alzheimer's Association, Greater Iowa Chapter Annual Meeting, Altoona, IA.
3. **Smith JC** (2014). Exercise and Healthy Brain Aging. Panel presentation at the Public Health Research@Maryland Day, College, Park, MD.
4. **Smith JC** (2014). Exercise and Alzheimer's Disease. Presentation at the UMD Counseling Center, College Park, MD.
5. **Smith JC** (2011). Exercise and brain health. Invited presentation at the University of Maryland School of Medicine and the Baltimore Veterans Administration, Baltimore, MD.
6. **Smith JC** (2010). The role of physical activity in the prevention and treatment of age-related cognitive decline. Invited presentation for the Division of Geriatrics and Gerontology Faculty Seminar Series, Medical College of Wisconsin, Milwaukee, WI.
7. **Smith JC** (2010). Physical activity and the prevention and treatment of memory loss. Invited presentation for the Department of Physical Medicine and Rehabilitation, Resident Didactic Series in Geriatric Rehabilitation, Medical College of Wisconsin and the Milwaukee Veterans Administration.
8. **Smith JC** (2010). Effects of exercise on brain function in older adults at risk for Alzheimer's disease. Invited presentation at the Imaging Research Center Seminar, Medical College of Wisconsin, Milwaukee, WI.
9. **Smith JC** (2010). Effects of exercise on brain function in older adults at risk for Alzheimer's disease. Invited presentation at the Wisconsin Alzheimer's Disease Research Center Seminar Series, University of Wisconsin-Madison.
10. **Smith JC** (2009). Does exercise improve brain function in people at risk for Alzheimer's disease? Invited presentation at the Medical College of Wisconsin Epidemiology Graduate Seminar, Milwaukee, WI.
11. **Smith JC** (2007). Exercise, negative affect, and emotion. Invited presentation at the Integrative Neuroscience Program Seminar, Marquette University, Milwaukee, WI.

CHAired SYMPOSIA

1. **Smith JC** (2017). Physical activity Induced Neuroplasticity. Invited symposium chair at the Annual Meeting of the American College of Sports Medicine, Denver, CO.
2. **Smith JC** (2015). Invited Featured Science Session at the Annual Meeting of the American College of Sports Medicine, San Diego, CA. Giving your Brain a Workout: The Impact of Physical Activity on Cognitive Function Across the Lifespan. *Medicine and Science in Sports and Exercise*, 45 (5, Suppl).
3. **Smith JC** (2015). Invited Symposium Session, The International Neuropsychological Society 43rd Annual Meeting, Denver, CO, USA. Exercise as Brain Medicine: State of the Science.

4. **Smith JC** (2013). Invited Symposium Session at the Annual Meeting of the American College of Sports Medicine, Indianapolis, IN. Is Exercise Medicine for Alzheimer's Disease? *Medicine and Science in Sports and Exercise*, 44 (5, Suppl).
5. **Smith JC** (2006). Invited Featured Science Session at the 53rd Annual Meeting of the American College of Sports Medicine, Denver, CO. Physical activity and emotion. *Medicine and Science in Sports and Exercise*, 38 (Suppl 1), S91.

RESEARCH PRESENTATIONS

1. Alfini AJ[§], Spira AP, Weiss LR[§], Won J[§], Michelson C[§], **Smith JC[†]**. (June, 2018). Joint impact of sleep duration and acute exercise on executive function in older adults. Presentation at the Annual Meeting of the Associated Professional Sleep Societies, Baltimore, MD.
2. Alfini AJ[§], Weiss LR[§], Won J[§], Michelson CS[§], Simon C[§], Callow DD[§], and **Smith JC[†]** (May, 2018). Decreased Salience Network Functional Connectivity Accompanies Improved Mood After Exercise in Healthy Older Adults. *Medicine and Science in Sports and Exercise*, 50 (5, Suppl). Oral presentation at the Annual Meeting of the American College of Sports Medicine, Minneapolis, MN.
3. Williams AP[§], Ozturk Z, Mirzazadeh T, Faroqi-Shah Y, Nielson KA, and **Smith JC[†]** (2018). Exercise Training Related Changes in Verbal Fluency in Healthy Older Adults and Mild Cognitive Impairment. *Medicine and Science in Sports and Exercise*, 50 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Minneapolis, MN.
4. Won J[§], Alfini AJ[§], Weiss LR[§], Michelson CS[§], and **Smith JC[†]** (May, 2018). Lasting Effects of Acute Exercise on Working Memory Performance in Older Adults with Good and Poor Sleep. *Medicine and Science in Sports and Exercise*, 50 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Minneapolis, MN.
5. Williams AP[§], Ozturk Z, Mirzazadeh T, Faroqi-Shah Y, Nielson KA, and **Smith JC[†]** (2018). Exercise Training Related Changes in Verbal Fluency in Healthy Older Adults and Mild Cognitive Impairment. Poster presentation at the Cognitive Aging Conference, Atlanta, GA.
6. Alfini AJ[§], Weiss LR[§], Won J[§], Michelson CS[§], Simon C[§], Callow DD[§], and **Smith JC[†]** (February, 2018). Effects of acute exercise on conflict-dependent functional activation in the aging brain. Accepted for presentation at the Annual Meeting of the International Neuropsychological Society, Washington, D.C.
7. Chirles TJ[§] and **Smith JC[†]** (2018). Functional connectivity patterns associated with aging, physical activity, and genetic risk for Alzheimer's disease. *Journal of the International Neuropsychological Society*, 23, Suppl 1. Poster presentation at the 46th Annual Meeting of the International Neuropsychological Society, Washington, D.C.
8. Kalscheur EJ, Abraham M, Seidenberg M, Kandah CC, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, and Rao SM (2018). *Journal of the International Neuropsychological Society*, 23, Suppl 1. Poster presentation at the 46th Annual Meeting of the International Neuropsychological Society, Washington, D.C.
9. Kelly DA, Abraham M, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, and Rao SM (2018). Influence of family history and APOE e4 allele on five year longitudinal memory performance in cognitively intact elders. *Journal of the International Neuropsychological Society*, 23, Suppl 1. Poster presentation at the 46th Annual Meeting of the International Neuropsychological Society, Washington, D.C.
10. Weiss LR[§] and **Smith JC[†]** (2017). Time-Dependent Effects of Acute Cycling Exercise on Long-Term Emotional Memory and Salivary Alpha-Amylase. *Medicine and Science in Sports and Exercise*, 49 (5, Suppl). Poster presentation at the annual meeting of the American College of Sports Medicine, Denver, CO.
11. Won J[§], Wu S, Kye H, **Smith JC**, and Park J[†] (2017). Different influences of aerobic exercise types on cognitive control of athletes. Poster presentation at the Annual Meeting

- of the American College of Sports Medicine and the World Congress on Exercise and the Brain, Denver, CO. *Medicine and Science in Sports and Exercise*, 49 (5, Suppl).
12. Kay CD, Seidenberg M, Durgerian S, **Smith JC**, Woodard JL, Nielson KA, Lancaster MA, Matthews MA, Kandah CC, Butts AM, Hantke NC, Hazlett KE, Figueroa CM, Sugarman MA, Norman AL, and Rao SM⁺ (2017). Are measures of intraindividual variability sensitive to the preclinical stage of Alzheimer's disease in elders at genetic risk? *Journal of the International Neuropsychological Society*, 22, Suppl 1. Poster presentation at the 45th Annual Meeting of the International Neuropsychological Society, New Orleans, LA.
 13. Weiss LR[§] and **Smith JC**⁺ (2016). Time-Dependent Effects of Acute Cycling Exercise on Long-Term Emotional Memory and Salivary α -Amylase. *International Journal of Exercise Science: Conference Proceedings*. Poster presentation at the annual meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine, Harrisburg, PA.
 14. Weiss LR[§], Alfini AJ[§], Smith TJ[§], and **Smith JC**⁺ (2016). Changes in Blood Oxygen Level-Dependent (BOLD) Response to Affective Picture Viewing After Acute Exercise. *Psychophysiology*, 53 (Suppl 1). Poster presentation at the Annual Meeting of the Society for Psychophysiological Research, Minneapolis, MN.
 15. Alfini AJ[§], Weiss LR[§], Reiter K, Smith TJ[§], Nielson KA, and **Smith JC**⁺ (2016). Exercise Training Alters Resting Cerebral Blood Flow: Implications for MCI and Healthy Older Adults. *Medicine and Science in Sports and Exercise*, 48 (5, Suppl). Free communication slide presentation at the Annual Meeting of the American College of Sports Medicine, Boston, MA.
 16. Smith TJ[§], Weiss LR[§], Alfini AJ[§], Reiter K, Nielson KA, and **Smith JC**⁺ (2016). Individuals with MCI exhibit stronger posterior functional connectivity than healthy elders after a 12-week walking intervention. *Medicine and Science in Sports and Exercise*, 48 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Boston, MA.
 17. **Smith JC**⁺, Leitner B[§], Alfini AJ[§], Weiss LR[§], Smith TJ[§] (2016). Exercise-induced changes in brain activation during a simple motor task: An fMRI study. *Medicine and Science in Sports and Exercise*, 48 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Boston, MA.
 18. Hoida E, Kelly DA, Song W, Pliskin N, Kandah C, Kay C, Lancaster M, Rao SM, Woodard J L, Nielson KA, **Smith JC**, Durgerian S, Reiter K, Norman A, Sugarman MA, & Seidenberg M (2016). *Semantic Knowledge of Famous Names in AD and Individuals at Genetic Risk for AD*. Poster presented at the 44rd annual meeting of the International Neuropsychological Society, Boston, MA.
 19. Seidenberg M, Hoida E, Kelly DA, Kandah C, Abraham M, Neale A, Kay C, Lancaster M, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, Sugarman MA, & Rao SM (2016). *Demographic Variables and Performance on a Newly Developed Remote Memory Test of Famous Name Discrimination*. Poster presented at the 44rd annual meeting of the International Neuropsychological Society, Boston, MA.
 20. Sugarman MA, Seidenberg M, Nielson KA, **Smith JC**, Durgerian S, Rao SM, Gross EZ, Norman AL, & Woodard JL (2016). *The semantic memory imaging in late-life pilot study*. Poster presented at the 44rd annual meeting of the International Neuropsychological Society, Boston, MA.
 21. Reiter K, Nielson KA, Smith TJ[§], Weiss LR[§], Alfini AJ[§], and **Smith JC**⁺ (2015). Aerobic fitness-associated increases in cortical thickness in Mild Cognitive Impairment. Poster presentation at the Alzheimer's Association International Conference, Washington, DC.
 22. Smith TJ[§], Weiss LR[§], Alfini AJ[§], Reiter K, Nielson KA, and **Smith JC**⁺ (2015). Effects of a 12-week exercise intervention on resting state brain networks in Mild Cognitive Impairment and Healthy Elders. Poster presentation at the Alzheimer's Association International Conference, Washington, DC.
 23. Alfini AJ[§], Oh H, Weiss LR[§], Smith TJ[§], Leitner BP[§], Toledo R[§], Saheb S[§], Guth LM, Landers-Ramos RQ, Corrigan K, Spangenburg EE, Hagberg JM, and **Smith JC**⁺ (2015). Use it or Lose it: The Effect of Detraining on Cerebral Blood Flow. *Medicine and Science in*

- Sports and Exercise*, 47 (5, Suppl). Feature Science Session Symposium presentation at the Annual Meeting of the American College of Sports Medicine, San Diego, CA.
24. Weiss LR[§], Spechler P, Alfini AJ[§], Smith TJ[§], Verber MD and **Smith JC**⁺ (2015). Changes in Blood Oxygen Level-Dependent (BOLD) Response to Affective Picture Viewing After Acute Exercise. *Medicine and Science in Sports and Exercise*, 47 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, San Diego, CA.
 25. Alfini AJ[§], Oh H, Weiss LR[§], Smith TJ[§], Leitner BP[§], Toledo R[§], Saheb S[§], Guth LM, Landers-Ramos RQ, Corrigan K, Spangenburg EE, Hagberg JM, and **Smith JC**⁺ (2015). The Effects of Exercise Cessation on Cerebral Blood Flow: An Arterial Spin Labeling Analysis. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 26. Smith TJ[§], Oh H, Weiss L[§], Alfini A[§], Reiter K, Nielson KA and **Smith JC**⁺ (2015). Effects of a 12-week exercise intervention on Default Mode Network connectivity in MCI and healthy elders. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 27. Weiss LR[§], Spechler P, Alfini AJ[§], Smith TJ[§], Verber MD and **Smith JC**⁺ (2015). Changes in Blood Oxygen Level-Dependent (BOLD) Response to Affective Picture Viewing After Acute Exercise. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 28. Reiter K, Nielson KA, Smith TJ[§], Weiss LR[§], Alfini AJ[§] and **Smith JC**⁺ (2015). Walking intervention increases VO₂ peak and cortical thickness in MCI and healthy older adults. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 29. Gross EZ, Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Durgerian S, & Rao SM (2015). *Detection of Age- and Alzheimer's Disease Risk-Related Compensatory Strategies Using Ex-Gaussian Response Time Parameter Estimates*. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 30. Kelly D, Hoida E, Kandah C, Kay C, Matthews M, Lancaster MA, Sugarman M, **Smith JC**, Woodard JL, Nielson KA, Rao SM, Durgerian S, Song W, Pliskin N, Seidenberg M (2015). *Semantic Specificity and Memory Age of Famous Names Reflect Progression of Alzheimer's Disease*. Paper presented at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 31. Lancaster, MA, Seidenberg M, Durgerian S, Nielson KA, Woodard JL, **Smith JC**, Stika MM, Butts AM, Hantke NC, Kay CD, Kandah CC Hazlett KE, Figueroa CM, Sugarman MA, Rao SM (2015). *Diffusion Tensor Imaging Predictors of Cognitive Change in Healthy Older Adults*. Poster presentation at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 32. Norman AL, Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Durgerian S, Sugarman MA, Rao SM (2015). *Baseline Structural MRI Volumes and Five-year Follow-up Neuropsychological Performance in Cognitively-Intact Older Adults*. Presented at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 33. Seidenberg M, Kay C, Lancaster MA, Kandah C, Hoida E, Kelly D, Durgerian S, Woodard J, Nielson KA, **Smith JC**, Rao SM[†] (2015). *Longitudinal Investigation of Recent and Remote Famous Names in MCI and Healthy*. Presented at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 34. Woodard JL, Sugarman MA, Meyers, K, Gross E, Norman A, Seidenberg M, Nielson KA, **Smith JC**, Reiter K, Rao SM (2015). *A Novel Method for Assessing Behavioral and Neural Correlates of Levels of Semantic Knowledge*. Presented at the International Neuropsychological Society 43rd Annual Meeting, Denver, Colorado, USA.
 35. Goveas JS, Driscoll I, Espeland MA, Hogan PE, Kesler SR, Manson JE, Rossom RC, Rapp S, Resnick SM, **Smith JC**, Tindle HA, Yaffe K, Zaslavsky O (2014). Predictors of optimal cognitive aging in 80+ women: The Women's Helath Initiative Memory Study. Paper Presentation at the Annual Meeting of the Gerontological Society of America, Washington, DC.

36. Stika MA, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, Lancaster MA, Kay CD, Kandah C, and Rao SM⁺ (2014). Family History and Genetic Risk Relationships with Episodic Memory and Hippocampal Volume Changes after 18-months in Healthy Older Adults. Poster presentation at the Annual Meeting of the American Academy of Clinical Neuropsychology, New York, NY.
37. Smith TJ[§], Keenan TM[§], Ballesteros JL[§], Carey CE[§], Kauffman DC[§], Whitehill EL[§], Leitner BP[§], Alfini AJ[§], Weiss LR[§], and **Smith JC**⁺. (2014). Changes in attentional bias to emotional faces after varied exercise intensities in women. *Medicine and Science in Sports and Exercise*, 46 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
38. Weiss LR[§], Smith TJ[§], Hyuk O, Nielson KA, Antuono P, Hanson RJ, Butts AM, Hantke NC, Verber MD, Alfini AJ[§], and **Smith JC**⁺. (2014). Effects of a 12-week exercise intervention on default mode network connectivity in MCI patients. *Medicine and Science in Sports and Exercise*, 46 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
39. Alfini AJ[§], Oh H, Weiss LR[§], Leitner BP[§], Smith TJ[§], Eslami K[§], Kauffman DC[§], Saheb S[§], Schiller KH[§], Toledo R[§], and **Smith JC**⁺ (2014). Acute exercise and cerebral blood flow: arterial spin labeling in fMRI analysis. *Medicine and Science in Sport and Exercise*, 46 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
40. Leitner BP[§], Toledo R[§], Weiss L[§], Smith TJ[§], Alfini AJ[§], Eslami K[§], Kauffman D[§], Saheb S[§], Schiller K[§], **Smith JC**⁺ (2014). Changes in Heart Rate Variability and Affect in Response to Low and Moderate Intensity Exercise. *Medicine and Science in Sports and Exercise*, 46 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
41. **Smith JC**, Nielson KA, Woodard JL, Seidenberg M, Kandah CC, Durgerian S, Hantke NC, Lancaster MA, Matthews MA, Sugarman MA, Figueroa CM, Hazlett KE, Kay CD, Norman AL, and Rao SM⁺ (2014). Interactions between physical activity and APOE-e4 risk for Alzheimer's disease on longitudinal hippocampal volume change. *Medicine and Science in Sports and Exercise*, 45 (5, Suppl). Slide presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
42. Kauffman DC[§], Clark JF, and **Smith JC**⁺ (2014). The influence of sport goggles on visual target detection in elite athletes. *Medicine and Science in Sports and Exercise*, 45 (5, Suppl). Poster presentation at the Annual Meeting of the American College of Sports Medicine, Orlando, FL.
43. **Smith JC**, Nielson KA, Woodard JL, Seidenberg M, Kandah CC, Durgerian S, Hantke NC, Lancaster MA, Matthews MA, Sugarman MA, Figueroa CM, Hazlett KE, Kay CD, Norman AL, and Rao SM⁺ (2014). Longitudinal changes in hippocampal volume: Interactive effects between physical activity and genetic risk for Alzheimer's disease. Poster presentation at the Cognitive Aging Conference, Atlanta, GA.
44. Kay CD, Seidenberg M, Durgerian S, **Smith JC**, Woodard JL, Nielson KA, Lancaster MA, Matthews MA, Kandah CC, Butts AM, Hantke NC, Hazlett KE, Figueroa CM, Sugarman MA, Norman AL, and Rao SM⁺ (2014). Motor timing intraindividual variability and structural volumes in health aging and mild cognitive impairment. *Journal of the International Neuropsychological Society*, 20, Suppl 1. Poster presentation at the 42nd Annual Meeting of the International Neuropsychological Society, Seattle, WA.
45. Hantke NC, Nielson KA, Durgerian S, Woodard JL, Seidenberg M, **Smith JC**, Rao SM⁺ (2014). Multi-voxel pattern analysis of famous and non-famous names in older adults. *Journal of the International Neuropsychological Society*, 20, Suppl 1. Poster presentation at the 42nd Annual Meeting of the International Neuropsychological Society, Seattle, WA.
46. Kandah CC, Seidenberg M, Matthews MA, Srnka K, Rosado D, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, Rao SM⁺ (2014). Longitudinal performance on the Mini-Mental State Exam (MMSE) and the Mattis Dementia Rating Scale-2 (DRS). *Journal of the*

- International Neuropsychological Society*, 20, Suppl 1. Poster presentation at the 42st Annual Meeting of the International Neuropsychological Society, Seattle, WA.
47. Matthews MA, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, Lancaster MA, Kandah CC, Kay CD, Butts AM, Hantke NC, Figueroa CM, Hazlett KE, Norman AL, Sugarman MA, and Rao SM[†] (2014). Different contributions of family history and genetic risk on 5-year cognitive changes in healthy older adults. *Journal of the International Neuropsychological Society*, 20, Suppl 1. Poster presentation at the 42st Annual Meeting of the International Neuropsychological Society, Seattle, WA.
 48. Lancaster MA, Seidenberg M, Durgerian S, Nielson KA, Woodard JL, **Smith JC**, Matthews MA, Butts AM, Hantke NC, Kay CD, Kandah CC, Hazlett KE, Figueroa CM, Sugarman MA, Norman AL, and Rao SM[†] (2014). Longitudinal white matter changes across the Alzheimer's disease risk continuum: A diffusion tensor imaging study. *Journal of the International Neuropsychological Society*, 20, Suppl 1. Poster presentation at the 42st Annual Meeting of the International Neuropsychological Society, Seattle, WA.
 49. **Smith JC**[†], Nielson KA, Antuono P, Zhan W, Lyons J-A, Verber MD, Hantke NC, Butts AM, and Hanson RJ[§] (2013). Evidence of massive neural plasticity induced by exercise in MCI patients. Poster presentation at the Alzheimer's Association International Conference, Boston, MA.
 50. Macko R[†], **Smith JC**^{*}, Dux M, Hafer-Macko C, and Ivey F. (2013). Exercise and Brain Health after Stroke. *Gerontologist*, 53, 539. Invited symposium presentation, "VA GRECC Symposium: Ischemia and Exercise in the Pathogenesis and Treatment of Cognitive Decline". Annual Meeting of the Gerontological Society of America, New Orleans, LA.
 51. Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Durgerian S, Sugarman MA, Norman AL, Lancaster MA, Matthews MA, Kandah CC, Kay CD, Figueroa CM, Hazlett KE, and Rao SM[†] (2013). Use of automated hippocampal subfield segmentation for predicting probability of cognitive decline in healthy older adults. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 221. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
 52. Sugarman MA, Woodard JL, Nielson KA, **Smith JC**, Seidenberg M, Durgerian S, and Rao SM[†] (2013). Rapid forgetting in the prediction of future cognitive decline in healthy older adults. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 74. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
 53. Norman AL, Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Durgerian S, Sugarman MA, Figueroa CM, Hantke NC, Hazlett KE, Kandah CC, Kay CD, Lancaster MA, Matthews MA, and Rao SM[†] (2013). Changes in verbal learning across trial and time: predicting cognitive decline in older adults over five years. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 72. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
 54. Nielson KA, Woodard JL, Hazlett KE, Figueroa CM, Seidenberg M, **Smith JC**, Durgerian S, Hantke NC, Sugarman MA, Kay CD, Kandah CC, Norman AL, Lancaster MA, Matthews MA, and Rao SM[†] (2013). Episodic memory, hippocampal activation during encoding, and eventual cognitive decline in elders: the importance of correct rejections. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 219. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
 55. Kay CD, Seidenberg M, Kandah CC, Matthews MA, Lancaster MA, Durgerian S, Nielson KA, Woodard JL, **Smith JC**, Figueroa CM, Hazlett KE, Hantke NC, Sugarman M, Norman AL, and Rao SM (2013). Fine motor variability, APOE-ε4, and longitudinal memory outcome in healthy elders. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 134. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
 56. Hazlett KE, Figueroa CM, Nielson KA, Durgerian S, Woodard JL, **Smith JC**, Seidenberg M, Hantke NC, Sugarman MA, Kay CD, Kandah CC, Norman AL, Lancaster MA, Matthews MA, and Rao SM[†] (2013). Longitudinal change in parahippocampal cortical thickness as a

- function of cognitive decline and gene risk for Alzheimer's disease. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 215. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
57. Figueroa CM, Hazlett KE, Nielson KA, Woodard JL, **Smith JC**, Seidenberg M, Durgerian S, Hantke NC, Sugarman MA, Kay CD, Kandah CC, Norman AL, Lancaster MA, Matthews MA, and Rao SM[†] (2013). Predictive ability of intraindividual variability in healthy elders at risk for Alzheimer's disease. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 213. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
58. **Smith JC**[†], Nielson KA, Antuono P, Lyons J-A, Verber MD, Hantke NC, Butts AM, Hanson RJ[§], and Browning E[§] (2013). Effects of an exercise intervention on semantic memory fMRI activation in mild cognitive impairment. *Journal of the International Neuropsychological Society*, 19, Suppl 1, 141. Poster presentation at the 41st Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
59. Vaughan L, Erickson KI, Espeland MA, **Smith JC**, Tindle H, and Rapp SR[†] (2013). Models of activity engagement and cognition in older adult women. Poster presentation at the Annual Meeting of the Society for Behavioral Medicine, San Francisco, CA.
60. Zhan W, Nielson KA, Antuono P, Lyons J-A, and **Smith JC**[†] (2013). Imaging for white matter alterations after an exercise intervention: A DTI study in MCI and normal controls. Poster presentation at the Annual Meeting of the International Society for Magnetic Resonance in Medicine, Salt Lake City, UT.
61. So C, Matthews K, Espeland, M, Hogan P, Goveas J, Kuller L, Resnick S, Scheier M, **Smith JC**, and Tindle HA[†] (2013). Psychological attitudes and neuroanatomy: results from the Women's Health Initiative Memory Study - Magnetic Resonance Imaging Study (WHIMS-MRI). Poster presentation at the Women's Health Initiative Annual Investigators Meeting, Seattle, WA.
62. Progovac AM[†], Chang Y-F, Matthews K, Scheier M, Kuller L, Tindle H, Chapman B, Duberstein P, Messina C, Weaver K, Saquib N, Wallace R, Kaplan R, Goveas J, Hyland A, Calhoun D, and **Smith JC** (2013). Psychological attitudes predict smoking cessation over time in the Women's Health Initiative (WHI). Poster presentation at the Third World Congress on Positive Psychology, Los Angeles, CA.
63. Durgerian S, Woodard JL, Nielson KA, Seidenberg M, **Smith JC**, Butts AM, Lancaster MA, Matthews MA, Sugarman MA, Kay CD, Kandah CC, Hantke NC, Norman AL, Hazlett KE, Figueroa CM, and Rao SM[†] (2013). Alzheimer's disease risk factors modulate longitudinal changes in semantic memory fMRI activation. Poster presentation at the Annual Meeting of the Organization for Human Brain Mapping, Seattle, WA.
64. Kay CD, Forde IE, Walker DR, Seidenberg M[†], Woodard JL, Nielson KA, **Smith JC**^{*}, Durgerian S, and Rao SM[†] (2013). Impact of Cardiovascular Disease Risk Factors and Apolipoprotein E-epsilon 4 Status on Cognitive Functioning of Healthy Elders. Poster presentation at the Annual Meeting of the American Academy of Clinical Neuropsychology, Chicago, IL.
65. Kandah CC, Snrka K, Seidenberg M[†], Matthews MA, Woodard JL, Nielson KA, **Smith JC**, Durgerian S, and Rao SM (2013). Five-year longitudinal performance on the Mattis Dementia Rating Scale (mDRS-2) in cognitively intact elderly. Poster presentation at the Annual Meeting of the American Academy of Clinical Neuropsychology, Chicago, IL.
66. **Smith JC**^{*}, Nielson KA, Woodard JL, Seidenberg M, and Rao SM[†] (2013). Longitudinal Associations Between Physical Activity, Cognitive Decline, and Hippocampal Volume in Healthy APOE-e4 Carriers. Poster presentation at the ApoE, ApoE Receptors and Neurodegeneration Symposium, Georgetown University, Washington, D.C.
67. Woodard JL, Seidenberg M, Nielson KA, Sugarman MA, **Smith JC**, Durgerian S, Butts AM, Lancaster MA, Foster MK, Hantke NC, Matthews MA, and Rao SM[†] (2012). Measures of Episodic Forgetting Complement Structural and Functional MRI for Detection of Cognitive Decline in Apolipoprotein E e4 Carriers. *Journal of the International Neuropsychological Society*, 18, Suppl 1, 269. Poster presentation at the 40th Annual Meeting of the

- International Neuropsychological Society, Montreal, Canada.
68. Lancaster MA, Durgerian S, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Matthews MA, Butts AM, Hantke NC, and Rao SM⁺ (2012). Longitudinal White Matter Changes and Cognitive Decline in Healthy Elderly. *Journal of the International Neuropsychological Society*, 18, Suppl 1, 224. Poster presentation at the 40th Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
 69. Foster MK, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Lancaster MA, Matthews MA, Hantke NC, Butts AM, and Rao SM⁺ (2012). Risk factors for Alzheimer's disease and longitudinal memory performance. *Journal of the International Neuropsychological Society*, 18, Suppl 1, 263. Poster presentation at the 40th Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
 70. Butts AM, Nielson KA, Hantke N, Lancaster M, Seidenberg M, Woodard JL, **Smith JC**, Matthews M, Durgerian S, and Rao SM⁺ (2012). FreeSurfer vs. manual tracing: Distinguishing stable from cognitively declining elders using prospectively measured hippocampal volume. *Journal of the International Neuropsychological Society*, 18, Suppl 1, 197. Outstanding student research symposium presentation at the 40th Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
 71. Matthews MA, Seidenberg M, Woodard JL, Durgerian S, Nielson KA, **Smith JC**, Lancaster MA, Butts AM, Hantke NC, and Rao SM⁺ (2012). Person-Identity Semantics Predicts Cognitive Decline in Cognitively Intact Older Participants. *Journal of the International Neuropsychological Society*, 18, Suppl 1, 13. Poster presentation at the 40th Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
 72. Butts AM, Nielson KA, Hantke NC, Lancaster MA, Seidenberg M, Woodard JL, **Smith JC**, Matthews MA, Sugarman MA, Durgerian S, and Rao SM⁺ (2012). Distinguishing future cognitive decline in healthy elders using two methods for measuring hippocampal volumes. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 73. Lancaster MA, Durgerian S, Seidenberg M, Woodard JL, Nielson KA, **Smith JC**, Matthews MA, Butts AM, Hantke NC, and Rao SM⁺ (2012). Prediction of Longitudinal White Matter Change in Healthy Elderly Individuals. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 74. Nielson KA, Sugarman MA, Woodard JL, Seidenberg M, **Smith JC**, Durgerian S, and Rao SM (2012). The contribution of blood serum biomarkers to the prediction of cognitive decline by fMRI and apolipoprotein-E in healthy older adults. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 75. Matthews MA, Seidenberg M, Woodard JL, Durgerian S, Nielson KA, **Smith JC**, Lancaster MA, Butts AM, Hantke NC, Rao SM⁺ (2012). Five-Year Changes in Brain Volume and Episodic Memory in Cognitively Intact Elders With and Without an Apolipoprotein $\epsilon 4$ Allele. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 76. Woodard JL, Seidenberg M, Nielson KA, Sugarman MA, **Smith JC**, Durgerian S, Butts AM, Lancaster MA, Foster MK, Hantke NC, Matthews MA, and Rao SM (2012). Episodic Memory Measures Complement Structural and Functional MRI for Predicting Cognitive Decline in Apolipoprotein E $\epsilon 4$ Carriers. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 77. **Smith JC***, Durgerian S, Woodard JL, Nielson KA, Butts AM, Hantke NC, Seidenberg M, Lancaster MA, Matthews MA, Sugarman MA, and Rao SM⁺ (2012). Longitudinal associations between physical activity, cognitive status, and brain function in older adults at genetic risk for Alzheimer's disease. Poster presentation at the Annual Meeting of the Cognitive Neuroscience Society, March 31-April 3, 2012, Chicago, IL.
 78. **Smith JC**, Durgerian S, Woodard JL, Nielson KA, Butts AM, Hantke NC, Seidenberg M, Lancaster MA, Matthews MA, Sugarman MA, and Rao SM⁺ (2012). Physical activity and brain function in older adults at genetic risk for Alzheimer's disease. *Medicine and Science*

- in Sports and Exercise*, 44 (5, Suppl), S104. Poster presentation at the 59th Annual Meeting of the American College of Sports Medicine, San Francisco, CA.
79. Lancaster MA, Durgerian S, Seidenberg M, Nielson KA, Woodard JL, **Smith JC**, Matthews MA, Butts AM, Hantke N and Rao SM[†] (2011). White matter disruption in asymptomatic individuals at risk for Alzheimer's disease. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 53. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 80. Sugarman MA, Woodard JL, Nielson KA, **Smith JC***, Seidenberg M, Durgerian S, Butts A, Hantke N, Lancaster M, Matthews MA, and Rao SM[†] (2011). Prediction of future cognitive decline using brief measures of physical and cognitive activity in healthy older adults. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 69. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 81. Matthews MA, Durgerian S, Seidenberg M, Nielson KA, Woodard JL, **Smith JC**, Lancaster MA, Butts AM, Hantke NC and Rao SM[†] (2011). Cortical and subcortical volumetric differences between cognitively stable and declining older adults. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 67. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 82. Butts AM, Nielson KA, Hantke N, Lancaster M, Durgerian S, Woodard JL, Seidenberg M, **Smith JC**, Matthews M and Rao SM[†] (2011). White matter integrity as predictor of cognitive decline in asymptomatic elders. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 111. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 83. Hantke N, Nielson KA, Woodard JL, Durgerian S, Seidenberg M, **Smith JC**, Butts A, Lancaster M, Matthews M and Rao SM[†] (2011). Comparison of semantic and episodic memory activation in predicting cognitive decline in older adults. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 65. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 84. **Smith JC***, Nielson KA, Woodard JL, Antuono P, Seidenberg M, Durgerian S, Verber MD, Butts AM, Hantke NC, Lancaster MA and Rao SM[†] (2011). Physical activity is associated with enhanced BOLD semantic memory activation in amnesic mild cognitive impairment. *Journal of the International Neuropsychological Society*, 17, Suppl 1, 265. Poster presentation at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.
 85. **Smith JC[†]**, Nielson KA, Antuono P, Verber MD, Cogbill, E, Greene, A, Butts AM, Hantke NC, and Hanson RJ (2011). Effects of exercise training on fMRI activation and hippocampal blood flow in mild cognitive impairment. *Medicine and Science in Sports and Exercise*, 43 (5, Suppl) . Poster presentation at the 58th Annual Meeting of the American College of Sports Medicine in Denver, CO.
 86. Durgerian S, Lancaster MA, Seidenberg M, Nielson KA, Woodard JL, **Smith JC**, Matthews M, Butts AM, Hantke N and Rao SM[†] (2011). White matter diffusivity is higher among healthy elders at increased risk for Alzheimer's disease. Poster presentation at the 17th Annual Meeting of the Organization for Human Brain Mapping, Québec City, Canada.
 87. Browning EL, Shields MR, Tian Q, and **Smith JC[†]** (2011). Neural correlates of anxiety reduction after exercise. Poster presentation at the Annual Meeting of the Society for Psychophysiological Research, Boston, MA.
 88. **Smith JC[†]**, Verber MD, Nielson KA, Antuono P, Hanson RJ[§], Mattes, AJ[§], Butts AM and Hantke NC (2011). Walking exercise improves white matter integrity in amnesic mild cognitive impairment. Poster presentation at the Annual Meeting of the Society for Psychophysiological Research, Boston, MA.
 89. **Smith JC[†]**, Verber MD, Nielson KA, Antuono P, Hanson RJ[§], Mattes, AJ[§], Butts AM and Hantke NC (2011). Effects of exercise on white matter integrity in amnesic mild cognitive impairment. Poster presentation at the Annual Meeting of the Society for Neuroscience, Washington, D.C.

90. Nielson KA, **Smith JC***, Woodard JL, Seidenberg M, Hantke N, Butts A, Durgerian S, Guidotti L, Antuono P, and Rao SM[†] (2010). Contributions of physical activity and risk for Alzheimer's disease to semantic memory networks in healthy elders. Invited podium presentation at the Dallas Aging and Cognition Conference, University of Texas, Dallas, TX.
91. **Smith JC[†]**, Paulson ES, Verber M, Tian Q[§], and Cook DB (2010). Human cerebral blood flow increases after acute exercise: Arterial spin labeling MRI. *Medicine and Science in Sports and Exercise*, 42 (5, Suppl 1), S34. Poster presentation at the 57th annual meeting of the American College of Sports Medicine in Baltimore, MD.
92. Tian Q[§] and **Smith JC[†]** (2010). Moderate intensity exercise enhances positive emotional bias and reduces negative emotional bias. Poster presentation at the Annual Meeting of the Society for Neuroscience in San Diego, CA.
93. **Smith JC[†]**, Nielson KA, Antuono P, Verber MD, Mattes AJ[§], Cogbill E, Greene A, Hantke NC, Butts AM, and Hanson RJ[§] (2010). Effects of a walking exercise intervention on BOLD semantic memory activation and hippocampal blood flow in amnesic mild cognitive impairment. Poster presentation at the Annual Meeting of the Society for Neuroscience in San Diego, CA.
94. Collins JD, **Smith JC**, Ebersole KT, and O'Connor KM[†] (2009). Effects of a simulated soccer match on cutting knee dynamics and reaction time. Poster presentation at the 33rd Annual Meeting of the American Society of Biomechanics, State College, PA.
95. Rao SM[†], **Smith JC***, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, Antuono P, Butts AM, Hantke NC, Lancaster MA, and Schiffer R (2009). Physical activity is associated with enhanced semantic memory activation in older ApoE-e4 carriers. Poster presentation at the 2nd Annual Clinical Trials on Alzheimer's Disease Conference, Las Vegas, NV.
96. Ewalt, L, Swartz AM[†], Strath SJ, Danduran MJ, Moerchen VA, and **Smith JC** (2009). A comparison of physical activity levels between children with and without a congenital heart defect. *Medicine and Science in Sports and Exercise*, 41 (5, Suppl 1), S326. Poster presentation at the 56th Annual Meeting of the American College of Sports Medicine in Seattle, WA.
97. **Smith JC***, Nielson KA, Woodard JL, Seidenberg M, Durgerian S, and Rao SM[†] (2009). Physical activity is associated with greater brain activation during memory in adults at risk for Alzheimer's disease. *Medicine and Science in Sports and Exercise*, 41 (5, Suppl 1), S53. Poster presentation at the 56th Annual Meeting of the American College of Sports Medicine in Seattle, WA.
98. Huddleston WE[†], Tully RP, and **Smith JC** (2009). Changes in neural oscillations of human parietal cortex during a visuospatial-attention task. Poster presentation at the Annual Meeting of the Society for Neuroscience in Chicago, IL.
99. Tian Q[§], Shields MR[§], Payton JB[§], Haacker TR[§], and **Smith JC[†]** (2009). The effect of exercise on the late-positive potential evoked during affective picture viewing. Poster presentation at the Annual Meeting of the Society for Neuroscience in Chicago, IL.
100. Shields MR[§], **Smith JC[†]**, Larson CL, and Swartz AM (2009). The effect of exercise on reaction time during a threat target detection task. Poster presentation at the Annual Meeting of the Society for Neuroscience in Chicago, IL.
101. **Smith JC[†]**, Paulson ES, Verber M, Tian Q[§], and Cook DB (2009). Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling. Poster presentation at the Annual Meeting of the Society for Neuroscience in Chicago, IL.
102. **Smith JC[†]**, Zalewski KA, Motl RW, O'Connell DL, and Malzahn J (2008). Relationships between self-efficacy and physical activity behavior among elders in an assisted living environment. *Medicine and Science in Sports and Exercise*, 40 (5, Suppl 1), S468. Poster presentation at the 55th Annual Meeting of the American College of Sports Medicine in Indianapolis, IN.
103. Shields M, Tian Q, Payton J, and **Smith JC[†]** (2008). The effect of exercise on the late-positive potential evoked during affective picture viewing. *Psychophysiology*, 45 (Suppl 1), S50. Poster presentation at the 48th Annual Meeting of the Society for Psychophysiological Research in Austin, TX.

104. Keil A, Sabatinelli D, **Smith JC**, Wangelin B, Bradley MM, and Lang PJ⁺ (2008). Multimodal imaging of coherent sources during affective picture viewing. *Psychophysiology*, 45 (Suppl 1), S94. Poster presentation at the 48th Annual Meeting of the Society for Psychophysiological Research in Austin, TX.
105. **Smith JC**, Bradley MM, and Lang PJ⁺ (2007). Negative affect and the reflex physiology of emotion. *Psychophysiology*, 44 (Suppl 1), S82. Poster presentation at the 47th Annual Meeting of the Society for Psychophysiological Research in Savannah, GA.
106. **Smith JC**, McTeague, LM, Löw A, Laplante MC, Perlman, G, Strauss, C, Bradley MM, and Lang PJ⁺ (2006). Processing rapidly presented affective pictures: Reflex physiology among anxiety disorder patients. *Psychophysiology*, 43 (Suppl 1), S93. Poster presentation at the 46th Annual Meeting of the Society for Psychophysiological Research in Vancouver, BC, Canada.
107. Keil A, **Smith JC**, Wangelin B, Sabatinelli D, Bradley MM, and Lang PJ⁺ (2005). Source space analysis of single EEG epoch in the frequency domain: An application for steady-state potentials. *Psychophysiology*, 42 (Suppl 1), S116. Poster presentation at the 45th Annual Meeting of the Society for Psychophysiological Research in Lisbon, Portugal.
108. **Smith JC**, Keil A, Wangelin, B, Bradley MM, Sabatinelli, D, and Lang PJ⁺ (2005). Single trial analysis of steady-state visual evoked potentials: Effects of emotional arousal. *Psychophysiology*, 42 (Suppl 1), S73. Poster presentation at the 45th Annual Meeting of the Society for Psychophysiological Research in Lisbon, Portugal.
109. Löw A, Lang PJ⁺, **Smith JC**, and Bradley MM (2004). The Defense Cascade - animal model and human performance. *Psychophysiology*, 41 (Suppl 1), S56. Poster presentation at the 44th Annual Meeting of the Society for Psychophysiological Research in Santa Fe, NM.
110. **Smith JC**, Löw A, Laplante MC, Perlman G, Strauss C, Bradley MM, and Lang PJ⁺ (2004). Emotional reactivity of anxiety disorder patients during rapid serial presentation of affective pictures. *Psychophysiology*, 41 (Suppl 1), S56. Poster presentation at the 44th Annual Meeting of the Society for Psychophysiological Research in Santa Fe, NM.
111. **Smith JC**, Scott RP, Bradley MM, and Lang PJ⁺ (2003). Physical activity promotes normal emotional reactivity among individuals with high negative affect. Poster presentation at the III Conferência Internacional "Emoções e Cérebro", Lisbon, Portugal, 2003.
112. **Smith JC**, Löw A, Bradley MM, and Lang PJ⁺ (2003). Rapid serial presentation of affective pictures elicits emotional reactions. Poster presentation at the III Conferência Internacional "Emoções e Cérebro", Lisbon, Portugal, 2003.
113. **Smith JC**, Scott RP, Bradley MM, and Lang PJ⁺ (2003). Reflex Physiology of Emotion: Effects of Negative Affect and Physical Activity History. Slide presentation at the 2003 Annual Meeting of the Association for the Advancement of Behavioral Therapy in Boston, MA.
114. **Smith JC**, Scott RP[§], Bradley MM, and Lang PJ⁺ (2003). Physical activity promotes normal emotional reactivity among individuals with high negative affect. Poster presentation at The Cooper Institute Conference Series "Physical Activity and Mental Health: A Multidisciplinary Approach", October, 2003 in Dallas, TX.
115. **Smith JC**, Löw A, Bradley MM, and Lang PJ⁺ (2003). Rapid serial presentation of affective pictures elicits emotional reactions. *Psychophysiology*, 40 (Suppl 1), S81. Poster presentation at the 43rd Annual Meeting of the Society for Psychophysiological Research in Chicago, IL.
116. **Smith JC**, Scott RP[§], Bradley MM, and Lang PJ⁺ (2003). The influence of physical activity and negative affect on the startle response during affective picture viewing. *Psychophysiology*, 40 (Suppl 1), S81. Poster presentation at the 43rd Annual Meeting of the Society for Psychophysiological Research in Chicago, IL.
117. **Smith JC**, Bradley MM, and Lang PJ⁺ (2003). The psychophysiology of emotion: Effects of physical activity history and negative affect. *Medicine and Science in Sports and Exercise*, 36, S91. Poster presentation at the 51st Annual Meeting of the American College

- of Sports Medicine in Indianapolis, IN.
118. **Smith JC**, Scott RP, Bradley MM, and Lang PJ[†] (2002). One thing after another: The progression and persistence of affect. *Psychophysiology*, 39 (Suppl 1), S77. Poster presentation at the 2002 Annual Meeting of the Society for Psychophysiological Research in Washington, D.C.
 119. **Smith JC** and O'Connor PJ[†] (2001). Exercise and emotion: Startle and corrugator responses during exercise and seated rest. *Psychophysiology*, 38 (Suppl 1), S90. Poster presentation at the 2001 Annual Meeting of the Society for Psychophysiological Research in Montreal, Canada.
 120. **Smith JC**, Scott RP, Bradley MM, and Lang PJ[†] (2001). Affective reflex modulation: Progression and persistence. *Psychophysiology*, 38 (Suppl 1), S90. Poster presentation at the 2001 Annual Meeting of the Society for Psychophysiological Research in Montreal, Canada.
 121. **Smith JC**, O'Connor PJ[†], and Dishman RK (2000). Exercise and emotion: Corrugator supercilii EMG activity at baseline and in response to emotion-eliciting slides after exercise and seated rest. Poster presentation at the 2000 Annual Meeting of the Society for Psychophysiological Research in San Diego, CA.
 122. **Smith JC**, O'Connor PJ[†], and Dishman RK (2000). Exercise and emotion: Corrugator supercilii EMG activity at baseline and in response to emotion-eliciting slides after exercise and seated rest. *Medicine and Science in Sports and Exercise*, 32, S294. Slide presentation at the 2000 Annual Meeting of the American College of Sports Medicine in Indianapolis, IN.
 123. Crabbe JB, **Smith JC**, and Dishman RK[†] (1999). EEG and emotional response after cycling exercise. *Medicine and Science in Sports and Exercise*, 31, S173. Slide presentation at the 1999 Annual Meeting of the American College of Sports Medicine in Seattle, WA.
 124. **Smith JC**, Crabbe JB, O'Connor PJ[†], and Dishman RK (1999). Exercise and emotion: Acoustic startle eyeblink response amplitude is attenuated after low and moderate intensity exercise and quiet rest. *Medicine and Science in Sports and Exercise*, 31, S173. Slide presentation at the 1999 Annual Meeting of the American College of Sports Medicine in Seattle, WA.
 125. O'Connor PJ[†], **Smith JC**, Cook DB, and Agrawal SK (1998). Circadian rhythms in highly physically active and fit elderly men compared to normal elderly controls. Poster presentation at the 1998 Annual Meeting of the Society for Research on Biological Rhythms on Amelia Island, FL.
 126. **Smith JC**, Cook DB, Agrawal SK, and O'Connor PJ[†] (1997). Circadian pacemaker evoked changes in blood pressure and heart rate in fit elderly men. *Medicine and Science in Sports and Exercise*, 29, S141. Poster presentation at the 1997 Annual Meeting of the American College of Sports Medicine in Denver, CO.
 127. **Smith JC**, Cook DB, and O'Connor PJ[†] (1996). Pain, perceived exertion and personality during brief maximal forearm contractions in women. *Medicine and Science in Sports and Exercise*, 28, S57. Slide presentation at the 1996 Annual Meeting of the American College of Sports Medicine in Cincinnati, OH.
 128. O'Connor PJ[†], Cook DB, and **Smith JC** (1995). Relationships between pain, personality and performance during maximal cycle ergometry. Slide presentation at the 1995 Annual Meeting of the American Psychological Association in New York, NY.
 129. Breus M, O'Connor PJ[†], **Smith JC**, and Crabbe JB (1994). Influence of strenuous nocturnal exercise on sleep. Poster presentation at the Annual Meeting of the American Psychological Association in New York, NY.
 130. **Smith JC** and Homa D[†] (1993). Recognition and classification of schematic faces under conditions of zero and substantial category training. Slide presentation at the 1993 Annual Meeting of the Western Psychological Association in Phoenix, AZ.

131. **Smith JC** and Homa D⁺ (1991). Recognition and classification in category abstraction. Slide presentation at the 1991 Annual Meeting of the Western Psychological Association in San Francisco, CA.

State & Local Presentations

1. **Smith JC**, Alfini AJ[§], Smith TM[§], Nielson KA, Woodard JL, Seidenberg M, and Rao SM⁺ (2013). Longitudinal Associations Between Physical Activity, Cognitive Decline, and Hippocampal Volume in Healthy APOE-e4 Carriers. Poster presentation at NACS-Fest, University of Maryland, College Park, MD.
2. **Smith JC**, Alfini AJ[§], Smith TM[§], Nielson KA, Woodard JL, Seidenberg M, and Rao SM⁺ (2013). Longitudinal Associations Between Physical Activity, Cognitive Decline, and Hippocampal Volume in Healthy APOE-e4 Carriers. Poster presentation at the Public Health Research Day, University of Maryland, College Park, MD.
3. **Smith JC**, Alfini AJ[§], Smith TM[§], Nielson KA, Woodard JL, Seidenberg M, and Rao SM⁺ (2013). Longitudinal Associations Between Physical Activity, Cognitive Decline, and Hippocampal Volume in Healthy APOE-e4 Carriers. Poster presentation at the Bioscience Research Day, University of Maryland, College Park, MD.
4. **Smith JC** (2012). Physical activity and brain health for public health. Slide presentation at the School of Public Health Research Interaction Day, University of Maryland, College Park, MD.
5. **Smith JC**, Alfini AJ[§], Smith TM[§], Nielson KA, Woodard JL, Seidenberg M, and Rao SM⁺ (2012). Longitudinal Associations Between Physical Activity, Cognitive Decline, and Hippocampal Volume in Healthy APOE-e4 Carriers. Poster presentation at the School of Public Health Research Interaction Day, University of Maryland, College Park, MD.
6. **Smith JC** (2011). Exercise and brain function in mild cognitive impairment. Poster presentation at NACS-Fest, University of Maryland, College Park, MD.
7. **Smith JC** (2011). Exercise and brain function in mild cognitive impairment. Poster presentation at the School of Public Health Research Interaction Day, University of Maryland, College Park, MD.
8. **Smith JC** (2011). Effects of exercise on white matter integrity in patients diagnosed with mild cognitive impairment. Slide presentation at the School of Public Health Research Interaction Day, University of Maryland, College Park, MD.
9. **Smith JC** (2011). Is there any hope for exercise in the fight against early memory loss? Invited presentation at the Early Memory Loss Summit, Wisconsin Alzheimer's Institute, Milwaukee, WI.
10. **Smith JC** (2011). Is there any hope for exercise in the fight against Alzheimer's disease? Invited presentation at the Alzheimer's Disease Annual Update Continuing Medical Education Program, Wisconsin Alzheimer's Disease Research Center, University of Wisconsin-Madison.
11. **Smith JC** (2011). The potential role of physical activity in the prevention and treatment of Alzheimer's disease. Invited presentation at the 24th Annual State Conference of Alzheimer's Disease and Related Disorders, Wisconsin Dells, WI.
12. **Smith JC** (2009). The potential role of physical activity in the prevention and treatment of Alzheimer's disease. Invited presentation at the 23rd Annual State Conference of Alzheimer's Disease and Related Disorders, Stevens Point, WI.
13. **Smith JC** (2008). Physical activity and dementia care: Current knowledge and knowledge gaps. Invited presentation at the Advanced Dementia Care Workshop in collaboration with the Alzheimer's Association Southeastern Wisconsin Chapter, Waukesha County Technical College, Waukesha, WI.

Undergraduate Mentee National and Local Research Presentations

1. Leitner BP, Toledo R, Weiss LR, Smith TJ, Alfini AJ, Eslami K, Kauffman D, Saheb S, Schiller KH, and **Smith JC**⁺ (November 2013). Changes in Heart Rate Variability and Affect in Response to Low and Moderate Intensity Exercise. Presentation at Bioscience Research Day at the University of Maryland, College Park, MD.
2. Kauffman D[§], Keenan T[§], Leitner B[§], Prakash S[§], Saheb S[§], Toledo R[§], and **Smith JC**⁺ (2013). Effects of emotional exposure on state anxiety after acute exercise. Poster presentation at the Public Health Research Day, University of Maryland, College Park, MD.
3. Browning E[§] and **Smith JC**⁺ (2011). The Anxiolytic Effects of Exercise are Sustained after an Emotional Challenge. Poster presentation at the National Conference on Undergraduate Research, Ithaca College, Ithaca, NY.
4. Logan P[§], Hatt N[§], Balling K[§], and **Smith JC**⁺ (2011). Exercise Effects on Bias Towards Emotional Stimuli. Poster presentation at the National Conference on Undergraduate Research in Ithaca, NY.
5. Browning E[§] and **Smith JC**⁺ (2011). The Anxiolytic Effects of Exercise are Sustained after an Emotional Challenge. Selected to represent UW-Milwaukee at the 8th Annual Posters in the Rotunda: A Celebration of Undergraduate Research, Wisconsin State Capital, Madison, WI.
6. Logan P[§], Hatt N[§], Balling K[§], Browning E[§] and **Smith JC**⁺ (2011). Exercise Effects on Bias Towards Emotional Stimuli. Selected to represent UW-Milwaukee at the 8th Annual Posters in the Rotunda: A Celebration of Undergraduate Research, Wisconsin State Capital, Madison, WI.
7. Browning E[§] and **Smith JC**⁺ (2011). "The Anxiolytic Effects of Exercise are Sustained after an Emotional Challenge. Poster presentation at the UW-System Symposium at UW-Parkside on April 29, 2011.
8. Balling K[§], Logan P[§], Hatt N[§], Browning E[§] and **Smith JC**⁺ (2011). Exercise Neuroscience. Poster presentation at the UW-System Symposium at UW-Parkside, Parkside, WI.
9. Jones ND[§] and **Smith JC**⁺ (2009). Effects of exercise and sex on identifying emotion. Poster presentation at the Office of Undergraduate Research Symposium, University of Wisconsin-Milwaukee, Milwaukee, WI.
10. Haacker T[§] and **Smith JC**⁺ (2009). The relation between changes in mood after exercise and event-related potentials during affective picture viewing. Poster presentation at the Office of Undergraduate Research Symposium, University of Wisconsin-Milwaukee, Milwaukee, WI.
11. Payton J[§] and **Smith JC**⁺ (2009). Reaction time and event-related potential during affective picture viewing after exercise compared to rest. Poster presentation at the Office of Undergraduate Research Symposium, University of Wisconsin-Milwaukee, Milwaukee, WI.
12. Payton J[§] and Smith JC (2009). Reaction Time and Event-Related Potentials During Affective Picture Viewing After Exercise Compared to Rest. Slide presentation at the National Conference on Undergraduate Research, UW-LaCrosse, LaCrosse, WI.
13. Haacker T[§] and **Smith JC**⁺ (2009). The Relation Between Changes in Mood After Exercise and Event-Related Potentials During Affective Picture Viewing. Slide presentation at the National Conference on Undergraduate Research, UW-LaCrosse, LaCrosse, WI.

GRANTS

Current Extramural Funding Received

1. **Principal Investigator.** NIH-National Institute on Aging, 1 R01 AG057552-01 Exercise for Brain Health with Increased Genetic Risk for Alzheimer's Disease. 09/15/17-04/30/22. Direct costs \$2,510,719; Total costs \$3,631,024.
 - a. The major goal of this project is to conduct a 6-month exercise intervention as a pilot clinical trial in older adults at genetic risk for Alzheimer's disease, with primary outcomes consisting of MRI biomarkers and cognitive performance.

2. **Co-Investigator** (Rao, Lamb, Co-PIs). NIH-National Institute on Aging, 2 R01 AG022304-11. Immune Mechanisms Underlying the Neuroprotective Effects of Physical Activity in Human and Mouse Models of Genetic Risk for Alzheimer's Disease. 09/01/17-08/31/22. Direct costs \$5,915,303; Total costs \$8,790,789.
 - a. Complementary human and animal studies will be conducted to determine potential mechanisms linking APOE genotype, physical activity behavior, inflammation, Alzheimer's Disease brain pathology, and cognition in healthy older adults at increased risk for Alzheimer's Disease.
3. **Mentor** (with Hagberg, PI). NIH-National Heart, Lung, and Blood Institute. University of Maryland Summer Training and Research (STAR) Program. 06/01/2013-05/31/2018, \$535,730.
4. **Mentor** (with Hagberg, PI). NIH-National Institute on Aging. University of Maryland Aging, Diversity, and Professional Training (ADAPT) Program. 09/01/13-08/31/18, \$1,241,195.