

Andreana P. Haley, Ph.D.

Associate Professor
Department of Psychology
The University of Texas at Austin

Phone: (512) 232-0863
Fax: (512) 471-6175
E-mail: haley@austin.utexas.edu
<https://haleylab.psy.utexas.edu/>

Academic Degrees

- Ph.D.**, University of Virginia, Charlottesville, VA 2001 - 2005
Department of Psychology (Clinical Psychology)
Dissertation: *Effects of orally administered glucose on hippocampal metabolites and cognition in Alzheimer's disease*
Committee: Eric Turkheimer, Ph.D. (Advisor), Carol Manning, Ph.D., Jack Knight-Scott, Ph.D., Patricia Lewellyn, Ph.D., Milton Brown, Ph.D.
- M.A.**, University of Virginia, Charlottesville, VA 1998 - 2001
Department of Psychology (Clinical Psychology)
Thesis: *Age-related elevations in cerebral metabolites in the hippocampus: A short echo time proton magnetic resonance spectroscopy study*
Committee: Eric Turkheimer, Ph.D. (Advisor), Irving Gottesman, Ph.D.
- B.A.**, Concord University, Athens, VA 1992 - 1996
Major: Psychology
Summa cum laude, Outstanding Psychology Major Award

Professional Appointments

- Associate Professor** 2014 - present
Department of Psychology
The University of Texas at Austin
- Assistant Professor** 2007- 2014
Department of Psychology
The University of Texas at Austin
- Other affiliations at the University of Texas at Austin*
Imaging Research Center
- Postdoctoral Fellow in Neuropsychology (Dementia Research)** 2005 - 2007
Department of Psychiatry and Human Behavior
Alpert Medical School of Brown University, Providence, RI
Memory Disorders Clinic, Butler Hospital
Advisors: Ronald Cohen, Ph.D., Lawrence Sweet, Ph.D., Paul Malloy, Ph.D.
- Visiting Research Fellow** 2006 - 2007
Center for Neurological Imaging
Harvard Medical School, Brigham and Women's Hospital, Boston, MA
Advisor: Charles Guttman, M.D.

Publications

‡ Senior and/or communicating author

* Graduate student advisee; ** Undergraduate student advisee

Peer-Reviewed Journal Articles (citations: 4151, h-index: 28, i10-index: 45)

1. **Haley, A.P.** ‡, Oleson, S., Pasha, E., Birdsill, A., Kaur, S., Thompson, T., Tanaka, H. (2018). Phenotypic heterogeneity of obesity-related brain vulnerability: One-size interventions will not fit all. *Annals of The New York Academy of Sciences*. [Epub ahead of print]. doi: 10.1111/nyas.13673.
2. Pasha, E.P.* , Birdsill, A.C., Oleson, S., Tanaka, H., **Haley, A.P.** ‡ (2018b). Midlife carotid arterial compliance and white matter diffusion metrics during midlife: Modulation by sex. *Neurobiology of Aging*. [Epub ahead of print]. doi: 10.1016/j.neurobiolaging.2018.02.012.
3. Pasha, E.P.* , Birdsill, A.C., Oleson, S., **Haley, A.P.**, Tanaka, H. (2018a). Physical activity mitigates adverse effects of Metabolic Syndrome on vessels and brain. *Brain Imaging and Behavior*. [Epub ahead of print]. doi: 10.1007/s11682-018-9830-3.
4. Cassill, C.** , Steward, K., Eagan, D., Kaur, S., Kruzliak, P., **Haley, A.P.** ‡ (2018). Depressive symptoms exacerbate the effects of HSV-1 infection on cognitive function in middle age. *Journal of Clinical and Infectious Disease and Practice*, 3:1. doi: 10.4172/2476-213X.1000122
5. Pasha, E.P.* , Tarumi, T., **Haley, A.P.**, Tanaka, H. (2017c). Transcranial Doppler of the middle cerebral artery indicates regional gray matter cerebral perfusion. *Physiological Measurement*, 38(12), 2176-2185.
6. Laosiripisan, J.* , **Haley, A.P.**, Tanaka, H. (2017). Steady state vs. pulsatile blood pressure component and regional cerebral perfusion. *American Journal of Hypertension*, 30(11), 1100-1105.
7. Pasha, E.P.* , Birdsill, A.C., Oleson, S., **Haley, A.P.**, Tanaka, H. (2017b). Impacts of Metabolic Syndrome scores on cerebrovascular conductance are mediated by arterial stiffening. *American Journal of Hypertension*, 31(1), 72-79.
8. Vargas, E.* , Barrett, D.W., Saucedo, C.L., Huang, L-D., Abraham, J.A., Tanaka, H., **Haley, A.P.**, Gonzalez-Lima, F. (2017). Beneficial neurocognitive effects of transcranial laser in older adults. *Lasers in Medical Science*, 32(5), 1153-1162.
9. Birdsill, A.C.* , Kaur, S., Pasha, E., Oleson, S., Ireton, A., Tanaka, H., **Haley, A.P.** ‡ (2017). Obesity-related differences in regional white matter microstructure in midlife. *Human Brain Mapping*, Apr 8. doi: 10.1002/hbm.23576. [Epub ahead of print].
10. Kaur, S.* , Birdsill, A.C., Steward, K., Pasha, E., Kruzliak, P., Tanaka, H., **Haley, A.P.** ‡ (2017). Higher visceral fat is associated with lower cerebral N-acetyl-aspartate ratios in middle-aged adults. *Metabolic Brain Disease*, 32(3), 727-733.
11. Pasha, E.P.* , Birdsill, A., Parker, P., Elmenshawy, A., Tanaka, H., **Haley, A.P.** ‡ (2017a). Visceral adiposity predicts subclinical white matter hyperintensities in middle-aged adults. *Obesity Research and Clinical Practice*, 11(2), 177-187.

12. Oleson, S.* , Tarumi, T., Gonzales, M.M., Davis, J., Tanaka, H., **Haley, A.P.** ‡ (2016). Nutrient intake and cerebral metabolism in healthy middle-aged adults: implications for cognitive aging. *Nutritional Neuroscience*, 20(8), 489-496.
13. Kaur, S.* , Gonzales, M.M., Tarumi, T., Villaplando, A., Alkatan, M., Pyron, M., Tanaka, H., **Haley, A.P.** ‡ (2016). Serum Brain-Derived Neurotrophic Factor mediates the relationship between abdominal obesity and executive function in middle age. *Journal of the International Neuropsychological Society*, 22(5), 493-500.
14. Kobyliak, N., Conte, C., Cammarota, G., **Haley, A.P.**, Styriak, I., Gaspar, L., Fusek, J., Rodrigo, L., Kruzliak, P. (2016). Probiotics in prevention and treatment of obesity: a critical review. *Nutrition & Metabolism*, 13:14. doi 10.1186/s12986-016-0067-0.
15. **Haley, A. P.** ‡, Alosco, M.L., Gunstad, J. (2015). Surgical and non-surgical interventions for obesity in service of preserving cognitive function. *Psychosomatic Medicine*, 77, 679-687.
16. Laosiripisan, J.* , Tarumi, T., Gonzales, M.M., **Haley, A.P.**, Tanaka, H. (2015). Association between cardiovagal baroreflex sensitivity and basal cerebral perfusion at hippocampus. *Clinical Autonomic Research*, 25(4), 213-218.
17. Kaur, S.* , Gonzales, M. M., Pasha, E., Tanaka, H., **Haley, A. P.** ‡ (2015b). Central adiposity and cortical thickness in mid-life. *Psychosomatic Medicine*, 77(6), 671-678.
18. Tarumi, T.* , Gonzales, M. M., Fallow, B., Nualnim, N., Lee, J., Pyron, M., Tanaka, H., **Haley, A. P.** ‡ (2015). Cerebral/peripheral vascular reactivity and neurocognition in middle-aged athletes. *Medicine & Science in Sports & Exercise*, 47(12), 2595-603.
19. Kruzliak, P., **Haley, A.P.**, Starcevic, J.N., Gaspar, L., Petrovic, D. (2015). Polymorphisms of the Peroxisome Proliferator-Activated Receptor- γ (rs1801282) and its coactivator-1 (rs8192673) are associated with obesity indexes in subjects with type 2 diabetes mellitus. *Cardiovascular Diabetology*, Apr 28,14:42. doi: 10.1186/s12933-015-0197-0.
20. Strasser, B., Arvandi, M., Pasha, E.P., **Haley, A.P.**, Stanforth, P., Tanaka, H. (2015). Abdominal obesity is associated with arterial stiffness in middle-aged adults. *Nutrition, Metabolism, and Cardiovascular Diseases*, 25, 495-502.
21. Pasha, E.P.* , Kaur, S., Gonzales, M.M., Machin, D.R., Kasischke, K., Tarumi, T., Tanaka, H., **Haley, A.P.** ‡ (2015b). Vascular function, cerebral cortical thickness, and cognitive performance in middle-aged Hispanic and Non-Hispanic Caucasian adults. *Journal of Clinical Hypertension*, 17(4), 306-312.
22. Pasha, E.P.* , **Haley, A.P.**, Tanaka, H. (2015a). Ethnoracial disparities in Alzheimer's disease: Target on cardiovascular risks via lifestyle changes? *Journal of Gerontology and Geriatric Research*, 3, 5.
23. Kaur, S.* , Eagan, D. E., Gonzales, M. M., Tarumi, T., Tanaka, H., **Haley, A. P.** ‡ (2015a). Inflammation mediates reductions in cortical thickness in adults with Metabolic Syndrome. *Brain Imaging and Behavior*, 9(4), 737-43.
24. **Haley, A. P.** ‡ (2014). Vascular functions and brain integrity in midlife: Effects of obesity and metabolic syndrome. *Advances in Vascular Medicine*. Volume 2014, Article ID 653482, <http://dx.doi.org/10.1155/2014/653482>.
25. Gonzales, M. M.* , Kaur, S., Eagan, D., Goudarzi, K.K., Pasha, E., Doan, D., Tanaka, H., **Haley, A. P.** ‡ (2014b). Central adiposity and the functional magnetic resonance imaging response to cognitive challenge. *International Journal of Obesity*, 38(9), 1193-1199.

26. Gonzales, M. M.*, Tarumi, T., Mumford, J. A., Ellis, R. C., Hungate, J. R., Pyron, M., Tanaka, H., **Haley, A. P.** ‡ (2014a). Greater BOLD responses to working memory in endurance-trained adults revealed by breath-hold calibration. *Human Brain Mapping*, 35(7), 2898-28910.
27. Steward, K. A.**, Pasha, E., Goudarzi, K., Elmenshawy, A., Alkatan, M., Villaplando, A., Tanaka, H., **Haley, A. P.** ‡ (2014). Midlife arterial stiffness and brain activation during working memory task. *The Open Hypertension Journal*, 6, 3-9.
28. **Haley, A. P.** ‡, Gonzales, M. M., Tarumi, T., Tanaka, H. (2013). Dyslipidemia links obesity to early cerebral neurochemical alterations. *Obesity*, 21(10), 2007-2013.
29. Tarumi, T.*, Gonzales, M. M., Fallow, B., Nualnim, N., Pyron, M., Tanaka, H., **Haley, A. P.** ‡ (2013b). Central artery stiffness, neuropsychological function, and cerebral perfusion in sedentary and endurance-trained middle-aged adults. *Journal of Hypertension*, 31(12), 2400-2409.
30. Tarumi, T.*, Gonzales, M. M., Fallow, B., Nualnim, N., Lee, J., Tanaka, H., **Haley, A. P.** ‡ (2013a). Aerobic fitness and cognitive function: An association mediated by plasma insulin. *Metabolic Brain Disease*, 28(4), 727-730.
31. Gonzales, M. M.*, Tarumi, T., Kaur, S., Nualnim, N., Fallow, B. A., Pyron, M., Tanaka, H., **Haley, A. P.** ‡ (2013). Aerobic fitness and the brain: Increased N-acetyl-aspartate and choline concentrations in endurance-trained middle-aged adults. *Brain Topography*, 26(1), 126-134.
32. Gonzales, M. M.*, Tarumi, T., Eagan, D. E., Tanaka, H., Vaghasia, M., **Haley, A. P.** ‡ (2012). Indirect effects of elevated body mass Index on memory performance through altered cerebral metabolite concentrations. *Psychosomatic Medicine*, 74(7), 691-698.
33. Sweet, L. H., Hassenstab, J. J., McCaffery, J. M., Raynor, H. A., Bond, D. S., Demos, K. E., **Haley, A. P.**, Cohen, R. A., Parigi, A. D., Wing, R. R. (2012). Brain response to food stimulation in obese, normal weight, and successful weight loss maintainers. *Obesity*, 20(11), 2220-2225.
34. **Haley, A. P.** ‡, Gonzales, M. M., Tarumi, T., Tanaka, H. (2012). Subclinical vascular disease and cerebral glutamate elevation in metabolic syndrome. *Metabolic Brain Disease*, 27(4), 513-520.
35. Eagan, D.E.*, Gonzales, M. M., Tarumi, T., Tanaka, H., Stautberg, S., **Haley, A. P.** ‡ (2012). Elevated serum C-reactive protein relates to increased cerebral myoinositol levels in middle-aged adults. *Cardiovascular Psychiatry and Neurology*, 2012(2012), article ID 120540, 9 pages. doi:10.1155/2012/120540
36. Hassenstab, J. J., Sweet, L. H., Parigi, A. D., McCaffery, J. M., **Haley, A. P.**, Demos, K. E., Cohen, R. A., Wing, R. R. (2012). Cortical thickness of the cognitive control network in obesity and successful weight loss maintenance: A preliminary MRI study. *Psychiatry Research: Neuroimaging*, 202(1), 77-79.
37. **Haley, A. P.** ‡, Eagan, D. E., Gonzales, M. M., Biney, F. O., Cooper, R. A. (2011). Functional magnetic resonance imaging of working memory reveals frontal hypoactivation in middle-aged adults with cognitive complaints. *Journal of the International Neuropsychological Society*, 17(5), 915-924.
38. Tarumi, T.*, Shah, F., Tanaka, H., **Haley, A. P.** ‡ (2011). Association between central elastic artery stiffness and cerebral perfusion in deep subcortical gray and white matter. *American*

Journal of Hypertension, 24(10), 1108-1113.

39. Gonzales, M. M.*, Tarumi, T., Eagan, D. E., Tanaka, H., Biney, F. O., **Haley, A. P.** ‡ (2011). Current serum lipoprotein levels and fMRI Response to working memory in midlife. *Dementia and Geriatric Cognitive Disorders*, 31(4), 259-267.
40. Hoth, K. F., Gonzales, M. M., Tarumi, T., Miles, S. C., Tanaka, H., **Haley, A. P.** ‡ (2011). Functional MR imaging evidence of altered functional activation in metabolic syndrome. *American Journal of Neuroradiology*, 32(3), 541-547.
41. **Haley, A. P.** ‡, Gonzales, M. M., Tarumi, T., Miles, S. C., Goudarzi, K., Tanaka, H. (2010b). Elevated cerebral glutamate and *myo*-inositol levels in cognitively normal middle-aged adults with metabolic syndrome. *Metabolic Brain Disease*, 25(4), 397-405.
42. Gonzales, M. M.*, Tarumi, T., Miles, S. C., Tanaka, H., Shah, F., **Haley A. P.** ‡ (2010b). Insulin sensitivity as a mediator of the relationship between BMI and working memory-related brain activation. *Obesity*, 18(11), 2131-2137.
43. **Haley, A. P.** ‡, Tarumi, T., Gonzales, M. M., Sugawara, J., Tanaka, H. (2010a). Subclinical atherosclerosis is related to lower neuronal integrity in middle-aged adults: A ¹H MRS study. *Brain Research*, 1344(2010), 54-61.
44. Gonzales, M. M.*, Tarumi, T., Tanaka, H., Sugawara, J., Swann-Sternberg, T., Goudarzi, K., **Haley, A. P.** ‡ (2010a). Functional imaging of working memory and peripheral endothelial function in middle-aged adults. *Brain and Cognition*, 73(2), 146-151.
45. Irani, F., Sweet, L. H., **Haley, A. P.**, Gunstad, J. J., Jerskey, B. A., Mulligan, R. C., Jefferson, A. L., Poppas, A., Cohen, R. A. (2009). A fMRI study of verbal working memory, cardiac output, and ejection fraction in elderly patients with cardiovascular disease. *Brain Imaging and Behavior*, 3(4), 350-357.
46. McCaffery, J. M., **Haley, A. P.**, Sweet, L. H., Phelan, S., Raynor, H. A., Paragi, A. D., Cohen, R., Wing, R. R. (2009). Differential functional magnetic resonance response to food pictures in successful weight-loss maintainers relative to normal-weight and obese controls^{1,2,3,4}. *American Journal of Clinical Nutrition*, 90(4), 928-934.
47. **Haley, A. P.** ‡, Hoth, K. F., Gunstad, J., Paul, R. H., Jefferson, A. L., Tate, D. F., Ono, M., Jerskey, B. A., Poppas, A., Sweet, L. H., Cohen, R. A. (2009). Subjective cognitive complaints relate to white matter hyperintensities and future cognitive decline in patients with cardiovascular disease. *American Journal of Geriatric Psychiatry*, 17(11), 976-985.
48. Gunstad, J., Keary, T. A., Spitznagel, M. B., Poppas, A., Paul, R. H., Sweet, L. H., Hoth, K. F., **Haley, A. P.**, Forman, D. E., Cohen, R. A. (2009). Blood pressure and cognitive function in older adults with cardiovascular disease. *International Journal of Neuroscience*, 119(12), 2228-2242.
49. Stanek, K. M., Gunstad, J., Paul, R. H., Poppas, A., Jefferson, A. L., Sweet, L. H., Hoth, K. F., **Haley, A. P.**, Forman, D. E., Cohen, R. A. (2009). Longitudinal cognitive performance in older adults with cardiovascular disease: Evidence for improvement in heart failure. *Journal of Cardiovascular Nursing*, 24(3), 192-197.
50. Jerskey, B. A., Cohen, R. A., Jefferson, A. L., Hoth, K. F., **Haley, A. P.**, Gunstad, J. J., Forman, D. E., Sweet, L. H., Poppas, A. (2009). Sustained attention is associated with left ventricular ejection fraction in older adults with heart disease. *Journal of the International Neuropsychological Society*, 15(1), 137-141.

51. Cohen, R. A., Poppas, A., Forman, D. E., Hoth, K. F., **Haley, A. P.**, Gunstad, J. J., Jefferson, A. L., Tate, D. F., Paul, R. H., Sweet, L. H., Ono, M., Jerskey, B. A., Gerhard-Herman, M. (2009). Vascular and cognitive functions associated with cardiovascular disease in the elderly. *Journal of Clinical and Experimental Neuropsychology*, 31(1), 96-110.
52. **Haley, A. P.**[‡], Gunstad, J., Cohen, R. A., Jerskey, B. A., Mulligan, R. C., Sweet, L. H. (2008). Neural correlates of visuospatial working memory in healthy young adults at risk for hypertension. *Brain Imaging and Behavior*, 2(3), 192-199.
53. Hoth, K. F., **Haley, A. P.**, Gunstad, J., Paul, R. H., Poppas, A., Jefferson, A. L., Tate, D. F., Ono, M., Jerskey, B. A., Cohen, R. A. (2008). Elevated C-reactive protein is related to cognitive decline in older adults with cardiovascular disease. *Journal of the American Geriatric Society*, 56(10), 1898-1903.
54. Sweet, L. H., Paskavitz, J. F., **Haley, A. P.**, Gunstad, J. J., Mulligan, R. C., Nyalakanti, P. K., Cohen, R. A. (2008). Imaging phonological similarity effects on verbal working memory. *Neuropsychologia*, 46(4), 1114-1123.
55. Forman, D. E., Cohen, R. A., Hoth, K. F., **Haley, A. P.**, Poppas, A., Moser, D. J., Gunstad, J., Paul, R. H., Jefferson, A. L., Tate, D. F., Ono, M., Wake, N., Gerhard-Herman, M. (2008). Vascular health and cognitive function in older adults with cardiovascular disease. *Artery Research*, 2(1), 35-43.
56. **Haley, A. P.**[‡], Forman, D. E., Poppas, A., Hoth, K. F., Gunstad, J., Jefferson, A. L., Paul, R. H., Ler, A. S. H., Sweet, L. H., Cohen, R. A. (2007). Carotid artery intima-media thickness and cognition in cardiovascular disease. *International Journal of Cardiology*, 121(2), 148-154.
57. **Haley, A. P.**[‡], Sweet, L. H., Gunstad, J., Forman, D. E., Poppas, A., Paul, R. H., Tate, D. F., Cohen, R. A. (2007). Verbal working memory and atherosclerosis in patients with cardiovascular disease: An fMRI study. *Journal of Neuroimaging*, 17, 227-233.
58. Hoth, K. F., Tate, D. F., Poppas, A., Forman, D. E., Gunstad, J., Moser, D. J., Paul, R. H., Jefferson, A. L., **Haley, A. P.**, Cohen, R. A. (2007). Endothelial function and white matter hyperintensities in older adults with cardiovascular disease. *Stroke*, 38(2), 308-312.
59. **Haley, A. P.**, Knight-Scott, J., Simnad, V. I., Manning, C. A. (2006). Increased glucose concentration in the hippocampus in early Alzheimer's disease following oral ingestion. *Magnetic Resonance Imaging*, 24(6), 715-720.
60. **Haley, A. P.**, Knight-Scott, J., Fuchs, K. L., Simnad, V. I., Manning, C. A. (2004). Shortening of hippocampal spin-spin relaxation time in probable Alzheimer's disease: A ¹H magnetic resonance spectroscopy study. *Neuroscience Letters*, 362(3), 167-170.
61. Cherrier, M. M., Plymate, S., Mohan, S., Asthana, S., Matsumoto, A. M., Bremner, W., Peskind, E., Raskind, M., Latendresse, S., **Haley, A. P.**, Craft, S. (2004). Relationship between testosterone supplementation and insulin-like growth factor-I levels and cognition in healthy older men. *Psychoneuroendocrinology*, 29(1), 65-82.
62. Knight-Scott, J., **Haley, A. P.**, Rossmiller, S. R., Farace, E., Mai, V. M., Christopher, J. M., Manning, C. A., Simnad, V. I., Siragy, H. M. (2003). Molality as a unit of measure for expressing ¹H MRS brain metabolite concentrations in vivo. *Magnetic Resonance Imaging*, 21(7), 787-797.

63. Turkheimer, E., **Haley, A. P.**, Waldron, M., D'Onofrio, B., Gottesman, I. I. (2003). Socioeconomic status modifies heritability of IQ in young children. *Psychological Science*, 14(6), 623-628.
64. Craft, S., Asthana, S., Cook, D. G., Baker, L. D., Cherrier, M., Purganan, K., Wait, C., **Petrova, A.**, Latendresse, S., Watson, G. S., Newcomer, J. W., Schellenberg, G. D., Krohn, A. J. (2003). Insulin dose-response effects on memory and plasma amyloid precursor protein in Alzheimer's disease: Interactions with apolipoprotein E genotype. *Psychoneuroendocrinology*, 28(6), 809-822.
65. Cherrier, M. M., Asthana, S., Plymate, S., Baker, L., Matsumoto, A. M., Peskind, E., Raskind, M. A., Brodtkin, K., Bremner, W., **Petrova, A.**, LaTendresse, S., Craft, S. (2001). Testosterone supplementation improves spatial and verbal memory in healthy older men. *Neurology*, 57(1), 80-88.
66. Gendreau, P. L., Petitto, J. M., **Petrova, A.**, Gariépy, J., Lewis, M. H. (2000). D₃ and D₂ dopamine receptor agonists differentially modulate isolation-induced social-emotional reactivity in mice. *Behavioural Brain Research*, 114(1-2), 107-117.
67. Craft, S., Asthana, S., Schellenberg, G., Cherrier, M., Baker, L. D., Newcomer, J., Plymate, S., Latendresse, S., **Petrova, A.**, Raskind, M., Peskind, E., Lofgreen, C., Grimwood, K. (1999). Insulin metabolism in Alzheimer's disease differs according to apolipoprotein E genotype and gender. *Neuroendocrinology*, 70(2), 146-152.
68. Craft, S., Asthana, S., Newcomer, J. W., Wilkinson, C. W., Matos, I. T., Baker, L. D., Cherrier, M., Lofgreen, C., Latendresse, S., **Petrova, A.**, Plymate, S., Raskind, M., Grimwood, K., Veith, R. C. (1999). Enhancement of memory in Alzheimer disease with insulin and somatostatin, but not glucose. *Archives of General Psychiatry*, 56(12), 1135-1140.

Works in Progress

- Oleson, S.*, Eagan, D.E., Kaur, S., Hertzling, W.J., Alkatan, M., Davis, J.N., Tanaka, H., **Haley, A.P.** ‡ (revise & re-submit). Apolipoprotein E genotype moderates the relationship between dietary polyunsaturated fat and brain function.
- Birdsill, A.*, **Haley, A.P.** ‡ (70% completed). Exploring the relationships between white matter structure and intrinsic functional connectivity in midlife.
- Birdsill, A.*, Oleson, S., Hayasaka, S., **Haley, A.P.** ‡ (55% completed). Coupling between default mode network and frontoparietal attention network in midlife during an executive function task.
- Birdsill, A.*, Oleson, S., Pasha, E., Tanaka, H., **Haley, A.P.** ‡ (50% completed). Intrinsic and task-based interactions between structural and functional connectivity in midlife: implications for age-related brain vulnerability.
- Foret, J. T.*, **Haley, A.P.** ‡ (55% completed). Neuronal integrity and cognitive performance in midlife: the role of cognitive reserve.
- Hickson, B.*, Cole, J., **Haley, A.P.** ‡ (35% completed). Brain-predicted age and cognitive function in Metabolic Syndrome.

Book Chapters

69. **Haley, A. P.**, & Knight-Scott, J. (2011). Proton magnetic resonance spectroscopy (^1H MRS): A practical guide for the clinical neuroscientist. In R. A. Cohen, & L. H. Sweet (Eds.) *Brain Imaging in Behavioral Medicine and Clinical Neuroscience* (pp. 83-91). New York, NY: Springer.
70. Sweet, L. H., **Haley, A. P.**, & Cohen, R. A. (2009) Functional neuroimaging in cardiovascular disease. In R. A. Cohen, & J. Gunstad (Eds.) *Neuropsychology and Cardiovascular Disease* (pp. 351-383). Oxford University Press.

Invited Commentaries

71. **Haley, A. P.**[‡] (2011) Subclinical atherosclerosis and neuronal integrity in midlife. *International Atherosclerosis Society* [On-line]. <http://www.athero.org/commentaries/comm1042.asp>
72. **Haley, A. P.**[‡] (2008) Atherosclerosis and cognitive function. *International Atherosclerosis Society* [On-line]. <http://www.athero.org/commentaries/comm738.asp>

Grants

Extramural Awards: Active

- | | |
|---|-------------|
| The Oskar Fisher Project Fund
Andreana P. Haley, Co-I (F. Gonzalez-Lima, PI)
<i>Texas Consortium Project: Laser-mediated Cognitive Enhancement</i>
Total Cost: \$3,700,010 | 2018 - 2023 |
| National Institutes of Health
R61 Exploratory Clinical Trial Grant (R61 MH111782)
Andreana P. Haley, Site PI (E. Stice, ORI, PI)
<i>Target Engagement of a Novel Dissonance-Based Treatment for DSM-5 Eating Disorders.</i>
Subcontract Cost: \$294,210 | 2017 - 2022 |
| National Institutes of Health
R21 Exploratory Research Project Grant (R21 AG050898)
Andreana P. Haley, PI
<i>Cognitive Enhancement through Transcranial Laser Therapy</i>
Total Cost: \$275,000 | 2016 - 2019 |
| Darrell K. Royal Research Fund for Alzheimer's Disease
Andreana P. Haley, PI
<i>Photoneuromodulation: A Novel Therapy for Mild Cognitive Impairment</i>
Total Cost: \$165,000 | 2016 - 2019 |

Completed:

- National Institute of Neurological Disorders and Stroke 2011 - 2015
R01 Research Project Grant (R01 NS075565)
Andreana P. Haley, PI
Neural Consequences of Metabolic Syndrome
Total Cost: \$998,151
- Hogg Foundation for Mental Health 2013 - 2015
Mental Health Research Grant (JRG-183)
Andreana P. Haley, PI
Cognitive Vulnerability in HSV-1 Carriers with High Psychosocial Distress
Total Cost: \$19,946
- American Heart Association 2010 - 2012
Beginning Grant-in-Aid (09BGIA2060722)
Andreana P. Haley, PI
Cerebral Hemodynamics and Cognition in Treated Hypertension: A Multi-Ethnic Study
Total Cost: \$140,000
- American Federation for Aging Research 2011 - 2012
Research Grant (8A0024)
Andreana P. Haley, PI
A Pilot Study of the Effects of Aerobic Exercise on Neuronal Integrity in Middle-aged and Older Adults with Hypertension
Total Cost: \$74,922
- National Institutes of Health 2005 - 2007
T32 Institutional Research Training Grant to Brown University Medical School
Paul Malloy, PI
Dementia Research Fellowship awarded to Andreana P. Haley
Total Cost: \$94,228
- Glenn Foundation/ American Federation for Aging Research 2000
Scholarship for Research in the Biology of Aging
A Magnetic Resonance Spectroscopic Examination of Hippocampal Volume and N-Acetyl-Aspartate Levels in Healthy Aging
Total Cost: \$4,000

Pending Extramural Awards

- National Institutes of Health 2018 - 2021
K01 Mentored Research Scientist Development Award (A1 score, 31)
Andreana P. Haley, Co-Mentor (Cuevas, H., PI, UT Austin)
Improving Cognitive Functioning for Persons with Type 2 Diabetes
Total Cost: \$257,000
- National Institutes of Health 2018 - 2023
K01 Mentored Research Scientist Development Award (pending review)
Andreana P. Haley, Co-Mentor (Ginty, A., PI, Baylor University)
Brain Substrates for Cardiovascular Stress Physiology

Total Cost: \$725,018

American Heart Association 2019 - 2022
Allen Brain Health Cognitive Impairment Grant (pre-proposal submitted in June 2018)
Andreana P. Haley, Co-I (F. Gonzalez-Lima, PI)
Transcranial infrared brain stimulation: A novel early intervention for age-related cognitive health

National Institutes of Health 2019 - 2024
R01 Research Grant Program (target submission date October 2018)
Andreana P. Haley, PI
Multi-organ Imaging in Obesity
Total Cost: \$3,622,579

Internal Awards

The University of Texas at Austin 2014 - 2015
Office of the Vice-president for Research
Andreana P. Haley, PI
Exploring the Neural Mechanisms of Cognitive Enhancement Related to Acute Bouts of Exercise
Total Cost: \$6,000

The University of Texas School of Nursing 2008 - 2009
Center for Health Promotion and Disease Prevention Research In Underserved Populations
Pilot Grant Program funded by P30 Center Grant by the National Institute for Nursing Research
Andreana P. Haley, PI
Cardiovascular Health and Brain Function in Mexican-American Adults with Hypertension
Total Cost: \$20,000

University of Virginia 2000, 2001
Retired Faculty Association
Andreana P. Haley, PI
Examining the Relationship between Cognition and Biochemical Changes in the Hippocampus in Aging and Alzheimer's disease: An MRS Study
Total Cost: \$2,000

University of Virginia 2000, 2001
Retired Faculty Association
Andreana P. Haley, PI
Examining The Relationship between Cognition and Biochemical Changes in the Hippocampus in Aging and Alzheimer's disease: An MRS Study
Total Cost: \$2,000

Completed Trainee Grants

National Science Foundation 2014 - 2017

Graduate Research Fellowship Program (GRFP)

Alex Birdsill, PI (Ph.D. Student)

Role: Primary Mentor

Total Cost: \$132,000

National Institute of Nursing Research

2014 - 2016

Predocotrual Individual National Research Service Award

Janet Morrison, PI (Ph.D. Student)

Role: Consultant

Effects of Physical Activity on Cognition in Persons with Multiple Sclerosis

(F31NR014601)

Total Cost: \$39,044

National Institute on Aging

2012 - 2014

Predocotrual Individual National Research Service Award

Awarded to Mitzi Gonzales (Ph.D. Student)

Neuroimaging Obesity-Related Brain Vulnerability in Older Adults (F31 AG040890)

Total Cost: \$74,272

The University of Texas at Austin

2013 - 2014

Undergraduate Research Grant

Awarded to Kayla Steward (Undergraduate Student)

Cognitive Vulnerability in Herpes Simplex Virus-1 Carriers with High Chronic Stress

Total Cost: \$1,000

The University of Texas at Austin

2013 - 2014

Liberal Arts Undergraduate Research Award

Awarded to Kayla Steward (Undergraduate Student)

Total Cost: \$1,000

Fellowships, Awards, and Honors

Department Nominee for Raymond Dickinson Centennial Endowed Teaching Fellowship	2018
College Research Fellowship, University of Texas at Austin	2018
Nominated for Early Career Award, National Academy of Neuropsychology	2014
Finalist David Mahoney Neuroimaging Program, The Dana Foundation	2014
Nominated for the Society for Teaching Excellence	2011
Nominated for the 2010 AFAR-GE Healthcare Junior Investigator Award	2010
David Wechsler Regents Chair in Psychology Fellow (\$41,732)	2010, 2011
Finalist Brain and Immuno-imaging Program, The Dana Foundation	2009
College Research Fellowship, University of Texas at Austin (\$36,819 salary)	2009
Early Career Grant Development Opportunity, University of Texas at Austin	2008
Summer Research Assignment, University of Texas at Austin (\$20,944 salary)	2008
Faculty Development Fellowship, University of Texas at Austin (\$2,000)	2007
Chief Intern, Eastern Virginia Medical School	2004
Educational Stipend/ Travel Award,	2001, 2002, 2005
International Society for Magnetic Resonance in Medicine (\$300-\$600)	
Dean Graduate Fellowship, University of Virginia	1998

Scholarly Presentations

Invited Talks

Cardiometabolic health and brain integrity in midlife. Presented to the Biological Basis for Behavior students of the Master's degree program in Clinical Psychology, University of Monterrey, Mexico, May 2018

Cardiometabolic health and brain integrity in midlife. Presented at The Cutting-Edge Education: The Intersection of Neurocognitive Function and Cardiometabolic Health workshop. American Psychosomatic Society (APS), 76th Annual meeting, Louisville, KY, March 2018

Surviving prosperity: how to age successfully in the age of obesity and inactivity. Presented at University of Texas at Arlington, Psychology Department Colloquium Series, Arlington, TX, October 2017

Neuromodulation of cognition through transcranial laser stimulation. Presented at the St. David's CHPR mini-symposium Brain Health in the Precision Health Era, Austin, TX, September 2017

Neuromodulation of cognition through transcranial laser stimulation. Presented at the Neuromodulation of Emotion, Cognition and Behavior Symposium. American Psychosomatic Society (APS), 75th Annual meeting, Seville, Spain, March 2017

Neuromodulation of cognition through transcranial laser stimulation. Presented at the St. David's CHPR Annual Conference: Innovative & Effective Approaches to Health Behavior Change Across the Lifespan, Austin, TX, March 2017

Mechanisms linking abdominal obesity to neuronal viability in midlife. Presented at the Health Factors Related to Cognitive and Neural Plasticity Symposium, 44th Annual Meeting of the International Neuropsychological Society (INS), Boston, MA, February 2016

Health Neuroscience: Neural consequences of Metabolic Syndrome and obesity. Presented at the Multimodal Neuroimaging Training Program Symposium, Center for the Neural Basis of Cognition, University of Pittsburgh, Pittsburgh, PA, July 2015

Abdominal obesity and neuronal integrity in midlife. Presented at the Diabetes, Obesity and the Brain Symposium. American Psychosomatic Society (APS), 72nd Annual meeting, Savannah, GA, March 2015

Interventions to support cognitive aging. Presented at the Austin Neuropsychological Association Continuing Education Lecture Series, Austin, TX, November 2014

Interventions to support cognitive aging. Presented at the annual School of Excellence Meeting of Carrier Underwriters, Austin, TX, May 2014

Cognitive reserve and vulnerability in midlife. Presented at the University of Florida Institute on Aging Seminar Series, Department of Aging and Geriatric Research, Gainesville, FL, November 2013

Surgical vs. non-surgical interventions for obesity and their implications for cognitive function (debate format). To be presented at the one-day meeting on Diabetes, Obesity and Brain Function hosted by the American Psychosomatic Society, Washington, D.C., October 2013

Aging, obesity and brain vulnerability. Presented at the VA Puget Sound Health Care System Continuing Medical Education Lecture Series, Seattle, WA, June 2013

Obesity related brain vulnerability in midlife. Presented at the University of Georgia, Athens, GA. Hosted by the Department of Psychology, the Owens Institute for Behavioral Research, the Bio-imaging Research Center, the Neuroscience, Behavior, and Cognition Workgroup, and the University of Georgia Obesity Initiative, March 2013

Obesity, nutrition, and cognitive function. Presented at the annual Mensa Convention, Austin, TX, August 2012

Assessing cognitive aging. Presented at the annual School of Excellence Meeting of Carrier Underwriters, Austin, TX, May 2012

Surviving prosperity: Metabolic syndrome & the brain. Symposium presentation at the 40th annual meeting of the International Neuropsychological Society, Montreal, Canada, February 2012

Obesity, nutrition and brain function. Presented at the Center for Sustainable Futures Lecture Series, University of South Carolina, Columbia, SC, December 2011

Assessing early brain vulnerability. Presented at the Austin Neuropsychological Association Continuing Education Lecture Series, Austin, TX, November 2011

Surviving prosperity: Metabolic syndrome & the brain. Presented at the Behavioral Neuroscience Area Meeting, Department of Psychology, The University of Texas at Austin, Austin, TX, March 2011

Surviving prosperity: Metabolic syndrome & the brain. Presented at the Clinical Psychology Area Meeting, Department of Psychology, The University of Texas at Austin, Austin, TX, February 2011

Assessing cognitive aging. Presented at the Texas Carrier Underwriters Meeting, Austin, TX, September 2011

Surviving prosperity: Metabolic syndrome & the brain. Presented at the Department of Kinesiology and Health Education Lecture Series, The University of Texas at Austin, Austin, TX, November 2010

Update on the latest research in the Clinical Neuroscience Lab. Presented at the Imaging Research Center Annual Retreat, The University of Texas at Austin, Austin, TX, October 2010

Go red for women: Cardiovascular disease and brain function. Presented at the Center for Women's and Gender Studies Colloquium Series, The University of Texas at Austin, Austin, TX, November 2008

Solving the mysteries of the aging brain through neuroimaging. Presented to the Department of Psychology, University of South Carolina, Columbia, SC, February 2007

Solving the mysteries of the aging brain through neuroimaging. Presented to the Department of Psychology, The University of Texas at Austin, Austin, TX, February 2007

Neuroimaging the aging brain. Presented to the Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI, December 2006

fMRI and carotid artery intima-media thickness in patients with cardiovascular disease. Presented at the 14th annual meeting of the International Society for Magnetic Resonance in Medicine, Seattle, WA, May 2006

The basics of in vivo proton magnetic resonance spectroscopy. Presented to the Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, Providence, RI, August 2005

Effects of orally ingested glucose on hippocampal metabolites and cognition in Alzheimer's disease. Presented to the Department of Linguistics, Georgetown University, Washington, D.C., February 2005

Neuropsychological aspects of chronic illness. Presented at the Cognitive Assessment Seminar, University of Virginia, Charlottesville, VA, November 2004

Neuropsychological aspects of chronic illness. Presented at the Medical Residents Seminar Series, Eastern Virginia Medical School, Norfolk, VA, December 2004

Nuclear magnetic resonance 101 for Neuropsychologists: Proton magnetic resonance spectroscopy & the assessment of dementia. Presented at the Clinical Psychology Internship Seminar Series, Eastern Virginia Medical School, Norfolk, VA, January 2004

Implementation of multiple inversion recovery as a water suppression technique for proton magnetic resonance spectroscopy. Presented at the 10th annual meeting of the International Society for Magnetic Resonance in Medicine, Honolulu, HI, May 2002

Let's talk about memory. Presented at the Clinical Area Seminar Series, University of Virginia, Charlottesville, VA, February 2002

Conference Presentations (2007 – present)

All conference presentations involve review and acceptance of submitted abstracts. First authors served as presenting authors.

* Graduate student advisee

** Undergraduate student advisee

Thompson, J.*, Eagan, D., Hickson, B., Valek, S., **Haley, A.P.** (2018). IQ moderates the association between resting state functional connectivity and memory performance.

American Psychological Association (APA), 126th Annual Meeting, San Francisco, CA.

- Haley, A.**, Kaur, S., Pasha, E., Birdsill, A., Oleson, S., Tanaka, H. Metabolic Syndrome moderates the beneficial effect of physical activity on cortical thickness. (2017). Organization for Hyman Brain Mapping (OHBM) Annual Meeting, Vancouver, Canada.
- Lin, H-F, Tarumi, T., **Haley, A.**, Cheng, H-M, Chen, C-H, Tanaka, T. Habitual endurance exercise and vascular mechanical biomarkers derived from arterial reservoir pressure analyses. (2017). American College of Sports Medicine Annual Meeting, Denver, CO.
- Pasha, E.P.* , Birdsill, A.C., Oleson, S., **Haley, A.P.**, Tanaka H. Habitual physical activity mitigates the adverse effects of metabolic syndrome on arterial stiffness and cerebral white matter integrity. (2017). American College of Sports Medicine Annual Meeting, Denver, CO.
- Oleson, S.* , **Haley, A.P.** Apolipoprotein E genotype moderates the relationship between carotid atherosclerosis and executive function in middle-aged adults. (2016). International Neuropsychology Society (INS), 44th Annual Meeting, Boston, MA.
- Birdsill, A.C.* , Kaur, S., Cassill, C., Parker, P., Ireton, A., Haley, A.P. (2016) Executive function, not memory, is associated with white matter structure in middle age. International Neuropsychological Society 44th Annual Meeting. Boston, MA.
- Pasha EP.* , Birdsill AC., Parker P., Elmenshawy A., Tanaka H., **Haley A.P.** Visceral adiposity predicts subclinical white matter hyperintensities in middle-aged adults. (2016). American College of Sports Medicine Annual Meeting, Boston, MA.
- Calvert, H.G.* , Birdsill, A.C., Oleson, S., Kaur, S., Castelli, D.M., **Haley, A.P.** Effects of moderately intense acute exercise on cognitive performance and cerebral metabolism. (2016). American College of Sports Medicine Annual Meeting, Boston, MA.
- Pasha E.P.* , Tarumi T., Gonzales M.M., Pearman M.E., **Haley A.P.**, Tanaka H. Reduced regional cerebral white matter perfusion in middle-aged Hispanic Adults. (2015). Texas American College of Sports Medicine, Austin, TX., 2015 (*Doctoral Award Finalist*) and Experimental Biology Annual Meeting, Boston, MA., March, 2015.
- Cassill, C.** , Kaur, S., Ireton, A., **Haley, A.P.** (2015). Metabolic Syndrome, memory function and gender in middle age. National Academy of Neuropsychology, 35th Annual Meeting, Austin, TX. (*Best Student Poster Award*).
- Parker, P.** , Kaur, S., Cassill, C., Pasha, E., Tanaka, H. & Haley, A.P. (2015). Cardiovascular fitness, executive function and Brain Derived Neurotropic Factor (BDNF). National Academy of Neuropsychology, 35th Annual Meeting, Austin, TX.
- Steward, K.** , McNeely, J., Eagan, D., Kaur, S., Parker, P., **Haley, A.P.** (2015). Peripheral inflammation does not relate to cortical thickness in middle-aged adults. International Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.
- Gonzales, M.M.* , Tarumi, T., Skocypec, R., Tanaka, H., **Haley, A.P.** (2015) Aerobic fitness and the brain at midlife: Evidence for the role of the cerebellum. International Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.
- Tan, A.** , McNeely, J., Yen, K., Cassill, C., Gonzales, M., Beevers, C., **Haley, A.** (2015). Effects of High Blood Pressure on Executive Function in College-Aged Adults. International Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.
- Yen, K.** , Tan, A., McNeely, J., Cassill, C., Gonzalez, M., Beevers, C., **Haley, A.** (2015). Effects of Glucose Levels on Information Processing in College-Aged Adults. International

Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.

Haley, A.P., Steward, K., Eagan, D.E., Tan, A., Skocypec, R. Depression Exacerbates Cognitive Vulnerability in HSV-1 Carriers. (2015). American Psychosomatic Society (APS), 72nd Annual meeting, Savannah, GA.

Eagan, D.E.* , Kaur, S., Steward, K., DeMarco, A., **Haley, A.P.** (2015). Herpes simplex-1 infection is associated with reduced right hippocampal volume among middle-aged individuals with genetic risk for Alzheimer's disease. International Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.

Eagan, D.E.* , Steward, K., Kaur, S., DeMarco, A., **Haley, A.P.** (2015). Infection with herpes simplex-1 is associated with reductions in executive function and full scale IQ (FSIQ) among healthy middle-aged adults with genetic risk for Alzheimer's disease. International Neuropsychology Society (INS), 43rd Annual Meeting, Denver, CO.

Birdsill, A.C.* , Gonzales, M. M., Eagan, D. E., Kaur, S., Hertzling, W. J., **Haley, A. P.** (2014). Obesity-related differences in regional white matter microstructure in midlife. Annual Meeting of the Society for Neuroscience. Washington, D.C.

Birdsill, A.C.* , Gonzales, M. M., Eagan, D. E., Kaur, S., Hertzling, W. J., **Haley, A. P.** (2014). Obesity-related differences in regional white matter microstructure in midlife. Annual Meeting of the Society for Neuroscience. Washington, D.C.

Steward, K.** , Eagan, D. Gonzales, M.M., **Haley, A.P.** HSV-1 seropositivity in middle age associated with lower global intelligence. (2014). International Neuropsychology Society (INS), 42nd Annual Meeting, Seattle, WA.

Gonzales, M.M.* , Tarumi, T., Tanaka, H., & **Haley, A.P.** (2014). Central adiposity predicts diminished BOLD response in the frontal lobes. Poster presented at annual meeting of the International Neuropsychological Society (INS), 42nd Annual Meeting, Seattle, WA.

Haley, A. P., Gonzales, M. M., Tarumi, T., Steward, K., Kasischke, K., Tanaka, H. Neuronal integrity and cognitive performance in midlife: The role of cognitive reserve. (2013). Organization for Human Brain Mapping (OHBM), 19th Annual Meeting, Seattle, WA.

Gonzales, M. M.* , Tarumi, T., Tanaka, H, **Haley, A. P.**. Breath-hold calibration improves detection of fitness-related differences in the BOLD response. (2013). Organization for Human Brain Mapping (OHBM), 19th Annual Meeting, Seattle, WA.

Tarumi, T.* , Gonzales, M. M., Fallow, B., Nualnim, N., Tanaka, H., **Haley, A. P.** (2013). Central artery stiffness, neuropsychological function, and cerebral perfusion in sedentary and endurance-trained middle-aged adults. Experimental Biology (EB), 2013 Annual Meeting, Boston, MA.

Gonzales, M. M.* , Tarumi, T., Tanaka, H., **Haley, A. P.** (2013). Elevated CRP as a Mechanism Relating Central Adiposity to Diminished N-Acetyl-Aspartate. 2nd Bi-annual Dallas Aging and Cognition Conference (DACC), Dallas, TX.

Haley, A. P., Gonzales, M. M., Tarumi, T., Tanaka, H. (2012). Cardiorespiratory fitness and the brain: Evidence of neurometabolite differences in endurance-trained versus sedentary adults. 25th Annual American Federation for Aging Research (AFAR) Grantee Conference, Santa Barbara, CA.

Haley, A. P., Gonzales, M. M., Tarumi, T., Tanaka, H. Dyslipidemia mediates cerebral myo-inositol elevation in obesity. (2012). Organization for Human Brain Mapping (OHBM), 18th Annual Meeting, Beijing, China.

- Eagan, D. E. *, Gonzales, M. M., Tarumi, T., Tanaka, H., **Haley, A. P.** (2012). Gender differences in the effect of Body Mass Index on task-related brain activation. International Neuropsychological Society (INS), 40th Annual Meeting, Montreal, Canada.
- Kaur, S. *, Gonzales, M. M., Eagan, D. E., Goudarzi, K.K., **Haley, A. P.** (2012). Nutritional habits and fMRI – effects of nutrition on fMRI-BOLD response in middle-age. International Neuropsychological Society (INS), 40th Annual Meeting, Montreal, Canada.
- Tarumi, T. *, Gonzales, M. M., Fallow, B., Nualnim, N., Tanaka, H., **Haley, A. P.** (2012). Cardiopulmonary fitness and cognitive function: Association with peripheral vascular and cerebrovascular function. American Sports College of Medicine (ACSM), 59th Annual Meeting, San Francisco, CA.
- Gonzales, M. M. *, Tarumi, T., Eagan, D. E., Tanaka, H., **Haley, A. P.** (2012). Frontal white matter perfusion and memory performance in Type 2 diabetes. International Neuropsychological Society (INS), 40th Annual Meeting, Montreal, Canada.
- Eagan, D. E. *, Gonzales, M. M., Tarumi, T., Tanaka, H., **Haley, A. P.** (2012). Women with high Body Mass Index Display lower task-related brain activation than men with high Body Mass Index. International Neuropsychological Society (INS), 40th Annual Meeting, Montreal, Canada.
- Tarumi, T. *, Gonzales, M. M., Fallow, B., Nualnim, N., Tanaka, H., and **Haley, A. P.** (2012) Cardiopulmonary Fitness and Cognitive Function: Association with Peripheral Vascular and Cerebrovascular Function. Annual meeting of the American College of Sports Medicine, San Francisco, CA.
- Tarumi, T. *, Shah, F., Tanaka, H., and **Haley, A. P.** (2011) Association between Central Artery Stiffness and Cerebral Perfusion in Deep Subcortical White Matter. *Federation of American Societies for Experimental Biology Journal* 25:1024.4, Experimental Biology 2011 Annual Meeting, Washington D.C.
- Haley, A. P.**, Gonzales, M. M., Eagan, D. E., Tarumi, T., Vaghasia, M., Pandya, S., Tanaka, H. (2011). Large vessel atherosclerosis exacerbates elevation in cerebral glutamate concentrations in Metabolic Syndrome. 8th International Brain Research Organization World Congress of Neuroscience, Florence, Italy.
- Kaur, S. *, Gonzales, M. M., Eagan, D. E., Goudarzi, K.K., **Haley, A. P.** (2011). Vascular depression & fMRI: Diminished cerebrovascular response to working memory. Organization for Human Brain Mapping (OHBM), 17th Annual Meeting, Quebec City, Canada
- Hoth, K. F., Gonzales, M. M., Tarumi, T., Miles, S. C., Tanaka, H., **Haley, A. P.** (2011). fMRI evidence of altered functional activation in Metabolic Syndrome. International Neuropsychological Society (INS), 39th Annual Meeting, Boston, MA.
- Haley, A. P.**, Gonzales, M. M., Tarumi, T., Miles, S. C., Goudarzi, K.K., Tanaka, H. (2011). Evidence of altered cerebral neurochemistry in Metabolic Syndrome. International Neuropsychological Society (INS), 39th Annual Meeting, Boston, MA.
- Gonzales M. M. *, Tarumi T., Eagan D. E., Tanaka, H., Goudarzi K., **Haley A. P.** (2011). Increased atherogenic lipoproteins at midlife relate to altered fMRI response. International Neuropsychological Society (INS), 39th Annual Meeting, Boston, MA.
- Tarumi, T. *, Shah, F., Tanaka, H., **Haley, A. P.** (2011) Association between Central Artery Stiffness and Cerebral Perfusion in Deep Subcortical White Matter. Experimental Biology, Washington, D.C.

- Eagan, D. E. *, Gonzales, M. M., Tarumi, T., Stautberg, S., Tanaka, H., **Haley, A. P.** (2010). Systemic inflammation and cerebral metabolism: a magnetic resonance spectroscopy study. 39th Annual Meeting of the American Aging Association, Portland, OR
- Haley, A. P.**, Tarumi, T., Sugawara, J., Tanaka, H. (2010). Carotid artery intima-media thickness and cerebral glutamate concentrations in midlife. Organization for Human Brain Mapping (OHBM), 16th Annual Meeting, Barcelona, Spain
- Haley, A. P.**, Tarumi, T., Sugawara, J., Tanaka, H. (2010). Hypertension, arterial health and neuronal integrity in midlife. International Society for Magnetic Resonance in Medicine (ISMRM), 18th Annual Meeting, Stockholm, Sweden.
- Haley, A. P.**, Gonzales, M. M., Stautberg, S., Reed, R. A., Biney, F., Goudarzi, K.K. (2010). Subjective cognitive complaints, blood pressure, mood and cerebrovascular response to cognitive function in midlife. International Neuropsychological Society (INS), 38th Annual Meeting, Acapulco, Mexico.
- Gonzales, M. M.* , Reed, R. A., Biney, F. O., Stautberg, S., Swann- Sternberg, T., Goudarzi, K.K., **Haley A. P.** (2010). Impact of obesity and hypertension on working memory: an fMRI study. International Neuropsychological Society (INS), 38th Annual Meeting, Acapulco, Mexico.
- Gonzales, M.* , Tarumi, T., Tanaka, H., Biney, F., Reed, R., Sugawara, J., Stautberg, S., Swann-Sternberg, T., Goudarzi, K., & **Haley, A. P.** (2009). Endothelial function and brain activation during a working memory task. American Academy of Clinical Neuropsychology (AACN), 7th Annual Meeting, San Diego, CA.
- Swann-Sternberg, T.* , Tarumi, T., Tanaka, H., Biney, F., Reed, R., Sugawara, J., Stautberg, S., Gonzales, M., Goudarzi, K., & **Haley, A. P.** (2009). Arterial stiffness and working memory in midlife: an fMRI Study. American Academy of Clinical Neuropsychology (AACN), 7th Annual Meeting, San Diego, CA.
- Haley, A. P.**, Tanaka, H., McDougall, G. J. (2009) Cognitive and Cerebrovascular Consequences of Hypertension in Mexican-American Adults. Organization for Human Brain Mapping (OHBM), 15th Annual Meeting, San Francisco, CA; Promoting Health in Underserved Populations: Health Disparities, From Local to Global, Annual Research Conference, University of Texas at Austin School of Nursing, Austin, TX.
- Haley, A. P.**, Biney, F. O., Reed, R. A. (2009) Neural Correlates of Midlife Hypertension. International Neuropsychological Society (INS), 37th Annual Meeting, Atlanta, GA.
- Biney, F. O.** , **Haley, A. P.** (2009) Hypertension Risk and Sympathetic Nervous System Reactivity. International Neuropsychological Society (INS), 37th Annual Meeting, Atlanta, GA.
- Haley, A. P.**, Fuchs, K. L., Wijtenburg, A., Manning, C. A., Knight-Scott, J. (2008) Unique neurometabolic profiles for amnesic and non-amnesic mild cognitive impairment. International Society for Magnetic Resonance in Medicine (ISMRM), 16th Annual Meeting, Toronto, Canada.
- Irani, F., Sweet, L., **Haley, A. P.**, Mulligan, R., Gunstad, J., Poppas, A., Jersky, B., Nyalakant, P., Cohen, R. (2008) An fMRI study of verbal working memory, cardiac output and ejection fraction in elderly patients with cardiovascular disease. International Neuropsychological Society (INS), 36th Annual Meeting, Waikoloa, HI.

- Mulligan R. C., **Haley A. P.**, Jerskey B. A., Irani, F., Poppas, A., Sweet, L. H., Cohen, R. A. (2008) Endothelial function predicts magnitude of fMRI activity in the medial prefrontal cortex. International Neuropsychological Society (INS), 36th Annual Meeting, Waikoloa, HI.
- Hoth K. F., **Haley A. P.**, Gunstad J., Poppas A., Paul R. H., Jefferson A. L., Jerskey B. A., Ono M., Cohen R. A. (2007). Self-reported emotional functioning and cognitive change during one-year follow-up in patients with cardiovascular disease. Annual Meeting of the Society for Behavioral Medicine, Washington, D.C.
- Fuchs, K., **Haley, A. P.**, Goldman, M., Knight-Scott, J., Simnad, V. I. (2007). HRT contributes to neuronal health in postmenopausal women with MS. Meeting of the Americas Committee for Treatment and Research in MS (ACTRIMS), Washington, D.C.
- Haley, A. P.**, Sweet, L. H., Gunstad, J., Cohen, R. A. (2007). Family history of hypertension is associated with reduced BOLD response to a visuospatial working memory task in healthy young adults. International Neuropsychological Society (INS), Mid-Year Meeting, Bilbao, Spain.
- Haley, A. P.**, Fuchs, K., Dunham, S.A., Wylie, S.A., Manning, C. A., Wodushek, T.R., Simnad, V. I., Shanbhag, D.D., Knight-Scott, J., Manning, C. A. (2007) Understanding cognitive disorder not otherwise specified: evidence for neurochemical subtypes of mild cognitive impairment. International Society for Magnetic Resonance in Medicine (ISMRM), 15th Annual Meeting, Berlin, Germany.
- Haley, A. P.**, Hoth, K. F., Gunstad, J, Paul, R. H., Jefferson, A. L., Poppas, A., Forman, D. E., Tate, D., Sweet, L. H., Ono, M., Jerskey, B., Cohen, R. A. (2007). Reported cognitive dysfunction at baseline predicts global cognitive decline at one year follow-up in patients with cardiovascular disease. International Neuropsychological Society (INS), 35th Annual Meeting, Portland, OR.
- Hoth, K. F., **Haley, A. P.**, Gunstad, J, Bausserman, L., Poppas, A., Paul, R. H., Jefferson, A. L., Tate, D., Ono, M., Jerskey, B., Forman, D. E., Cohen, R. A. (2007) A prospective examination of homocysteine, C-reactive protein and change in cognition among elderly patients with cardiovascular disease. International Neuropsychological Society (INS), 35th Annual Meeting, Portland, OR.
- Ono, M., **Haley, A. P.**, Hoth, K. F., Poppas, A., Gunstad, J., Sweet, L., Cohen, R. A. (2007). Cognitive decline among patients with coronary artery disease. International Neuropsychological Society (INS), 35th Annual Meeting, Portland, OR.

Academic Advising

Doctoral Students Directly Supervised

Janelle Thompson (Clinical Psychology)	2017 - present
Brennan Hickson (Clinical Psychology)	2017 - present
Drew Gourley (Kinesiology & Health Education)	2017 - present
Stephanie Oleson (Clinical Psychology)	2014 – present
▪ Pre-doctoral internship match: University of Alabama Health Sciences Center, Birmingham, AL	

- Alex Birdsill (Clinical Psychology) 2013 – present
- NSF Graduate Research Fellowship 2014 – 2017
 - Pre-doctoral internship match: U.S. Department of Veterans Affairs, Philadelphia, PA
- Sonya Kaur (Clinical Psychology) 2009 – 2017
- Winner of the Willerman Award for Excellence in Research, 2016
 - Pre-doctoral internship: Henry Ford Health System, Detroit, MI
 - Post-doctoral fellowship: University of Miami Miller School of Medicine, Miami, FL
- Evan Pasha (Kinesiology & Health Education) 2013 - 2017, co-mentor
- Post-doctoral fellowship: Cerebrovascular Function Laboratory, Institute for Exercise and Environmental Medicine, Texas Health Presbyterian Hospital, University of Texas Southwestern Medical Center, Dallas, TX
- Janet Morrison (Nursing) 2014 - 2017, co-mentor
- National Research Service Award, 2014 - 2016
 - Research Associate: The University of Texas at Austin
- Hannah Calvert (Kinesiology & Health Education) 2014 – 2016, co-mentor
- Post-doctoral fellowship: Boise Initiative for Healthy Schools, Boise State University, Boise, ID
- Danielle Eagan (Clinical Psychology) 2008 - 2015
- CoLA Continuing Fellowship in Psychology, 2013 – 2014
 - Pre-doctoral internship: Emory University, Atlanta, GA
 - Post-doctoral fellowship: McLean Hospital, Harvard Medical School, Boston, MA
 - Geriatric Neuropsychologist, Barrow Neurological Institute, Phoenix, AZ
- Mitzi Gonzales (Clinical Psychology) 2007 - 2015
- Winner of the Willerman Award for Excellence in Research, 2010
 - National Research Service Award, 2012 - 2014
 - Helmreich Presidential Endowed Fellowship, 2012 – 2013
 - Pre-doctoral internship: University of Illinois, Chicago, IL
 - Post-doctoral fellowship: VA Northern California Healthcare System, Martinez, CA
 - Assistant Professor, Department of Neurology, UT Health, San Antonio, TX
- Victor Jeongsoek Lee (Kinesiology & Health Education) 2012 - 2013, co-mentor
- Takashi Tarumi (Kinesiology & Health Education) 2008 - 2012, co-mentor
- Continuing Education Fellowship, University of Texas, 2010 - 2012
 - Post-doctoral fellowship: Cerebrovascular Function Laboratory, Institute for Exercise and Environmental Medicine, Texas Health Presbyterian Hospital, University of Texas Southwestern Medical Center, Dallas, TX
 - Instructor, University of Texas Southwestern Medical Center, Dallas, TX
- Bryan Barksdale (MD/PhD, Neuroscience) 2010, summer rotation
- Talia Swan-Sternberg (Clinical Psychology) 2007 - 2008

Membership on Graduate Committees (outside of my lab)

- Elise Marino (Clinical Psychology) Ph.D., 2018, dissertation committee
- Janet Morrison (Nursing) Ph.D., 2017, dissertation committee
- Evan Pasha (Kinesiology & Health Education) Ph.D., 2017, dissertation committee
- Hannah Calvert (Kinesiology & Health Education) Ph.D., 2016, dissertation committee
- Stephanie Sherman (Cognitive Psychology) Ph.D., 2014, dissertation committee

Allison Auchter (Behavioral Neuroscience)	Ph.D., 2014, dissertation committee
Cheon-Woo Han (Educational Psychology)	Ph.D., 2014, dissertation committee
Evan Pasha (Kinesiology & Health Education)	M.A., 2014, thesis second reader
Takashi Tarumi (Kinesiology & Health Education)	Ph.D., 2012, dissertation committee
Alissa Ellis (Clinical Psychology)	Ph.D., 2011, dissertation committee
Jenni Pacheco (Cognitive Psychology)	Ph.D., 2011, dissertation committee
Cindy Stappenbeck (Clinical Psychology)	Ph.D., 2010, dissertation committee
Emily Luther (Clinical Psychology)	M.A., 2009, second reader

Postgraduate and Undergraduate Researchers (UT Austin)

Honors students denoted with **. Awards noted and current endeavors listed for those students continuing in academic research.

Annalysa Lovos, 2018 -
Evan Wotipka, 2018 -
Janchira Charoenworawat**, 2017 -
Deepanjili Dontula, 2017 -
Fatou Sahor, 2017 -
Stephanie Valek, 2017 -
Arpan Patel, 2017
Carolyn Cassill, 2014 - 2017, Ph.D. student, UT Southwestern
Kerri Grier, 2014
Megan Moody, 2014 - 2014
Paige Parker, 2014 -2016
Alexander Tan, 2013 - 2014, Ph.D. student, UT Southwestern
Adele Ireton, 2014 - 2016
Arjun Srivastava, 2014 - 2015
Taylor Francis, 2012
Nicolas Govea, 2012 - 2013
William (Jake) Hertzling, 2012 - 2014, M.D. student, UT Medical Branch
Kennon Kasischke, 2012 - 2014
Danh Doan, 2011 - 2013, Pharm. D. student, University of Oklahoma
Kayla Steward**, 2011 - 2014, Ph.D. student, University of Alabama
Jessica Rae Hungate, 2011 - 2012
Ryan Ellis, 2011 - 2012
Jasmine McNeely, 2013 - 2014
Astrid Villalpando, 2012 - 2014
Rachel Skocypec, 2012 - 2013, Ph.D. student, University of Arizona
Catherine Wheeler, 2012 - 2013
Sima Mozbar, 2011 - 2012, Doctor of Optometry student, University of Houston
Miral Vaghshia**, 2011 - 2012, M.D. student, Texas College of Osteopathic Medicine
Mandy Kidwell, 2011, M.Ed. student, Southeastern Louisiana University
Rebecca Heines**, 2010 - 2011
Seema Pandya, 2010 - 2011, Ph.D. student, UT Southwestern
Kapil Saxena**, 2010 - 2011
J. Bryan Sneed, 2010
Alyssa Esmail, 2009 - 2009, M.D. student, UT Medical School San Antonio

Ishita Gosh, 2009 - 2009
Jared Kilmer**, 2009
Maria Kobidze, 2009, guest from Cornell
Sandra Stautberg**, 2009 - 2010, Ph.D. student, UT Dallas
Furqan Shah, 2009 - 2010, M.D. student, Texas A&M
Erin Pomerantz**, 2008 - 2009
Glory Okugo, 2007 - 2008
Fedora Biney**, 2007 - 2008, Ph.D., University of Houston
Rachel Reed, 2007 - 2008, Ph.D., Palo Alto University

Service

Professional Memberships

American Psychosomatic Society	2017 - present
Society for Neuroscience	2010 - present
Organization for Human Brain Mapping	2009 - present
International Neuropsychological Society	2005 - present

National and International Service

Editorial Board Memberships

Associate Editor Psychosomatic Medicine	2018 -
Consulting Editor The Clinical Neuropsychologist (TCN) Editorial Board	2016 - 2018

Advisory Roles

APA Division 40 Science Advisory Committee American Psychological Association: Society for Clinical Neuropsychology	2016 - 2019
--	-------------

Professional Service for Conferences

Co-Organizer Getting funded without getting burned out: An Interactive Mentoring Workshop for Students, Fellows, and Early Career Psychologists American Psychological Association: Society for Clinical Neuropsychology	2018
Symposium Chair Neuromodulation of Cognition, Emotion and Behavior American Psychosomatic Society (APS), 75th Annual meeting, Seville, Spain	2017
Planning Committee One Day Meeting on Diabetes, Obesity and Brain Function American Psychosomatic Society, Washington, D.C.	2013
Symposium Chair Surviving Prosperity: Metabolic Syndrome and the Brain Symposium	2012

International Neuropsychological Society 40th Annual Meeting, Montreal, Canada

Abstract Reviewer 2011 - present
Organization for Human Brain Mapping

Grant Reviews

Research Councils UK, United Kingdom 2016, 2018
Medical Research Council

National Institutes of Health 2018
Special Emphasis Panel Biobehavioral Predictors of Midlife Transitions (ZAG1 ZU-9 J2)

Executive Vice Chancellor in the UT System Office of Health Affairs 2018
Pilot Grants

German Federal Ministry for Education and Research (BMBF) 2014, 2017
Neuronal Basis of Active Aging Review Group

Department of Veterans Affairs 2016
Special Emphasis Panel: Merit Review Subcommittee for Cardiology-B

National Institutes of Health 2016
Special Emphasis Panel HLBP 2: Behavior and Heart Disease

National Institutes of Health 2016
Special Emphasis Panel Integrative Pathways to Health and Illness (ZAG1 ZIJ-4 M3)

National Science Foundation 2016
Graduate Research Fellowship Program

National Institutes of Health 2015
Special Emphasis Panel Biobehavioral Predictors of Midlife Transitions (ZAG1 ZU-9 J2)

National Institutes of Health 2014
Integrative and Clinical Endocrinology and Reproduction Study Section (ICER)

Promotion Reviews

University of Southern California 2018

University of Virginia 2016

Warren Alpert Medical School of Brown University 2016

Duke University School of Medicine 2016

Albert Einstein College of Medicine 2014

Elected Positions

Elected Treasurer 2010 - present
Society for Neuroscience Austin Chapter

Journal and Book Reviewing

American Journal of Hypertension, American Journal of Physiology: Heart & Circulatory Physiology, American Journal of Psychiatry, Annals of Behavioral Medicine, Annals of Epidemiology, Annals of Neurology, Archives of Clinical Neuropsychology, Arteriosclerosis, Thrombosis and Vascular Biology, BMC Geriatrics, Brain Imaging and Behavior, Current, Neuropharmacology, Diabetes, Diabetes Care, Human Brain Mapping, Hypertension,

International Journal of Obesity, Journal of Alzheimer's Disease, Journal of Black Psychology, Journal of Cardiac Failure, Journal of Clinical and Experimental Neuropsychology, Journal of Clinical Endocrinology & Metabolism, Journal of Experimental Zoology, Journal of Hypertension, Journal of the International Neuropsychological Society, Journal of Neuroimaging, Journal of Psychiatric Research, Medical Principles & Practice, Neural Plasticity, Neurobiology of Aging, Neurochemistry, NeuroImage, NeuroImage: Clinical, Neuropsychologia, Neuroscience Letters, Obesity, Obesity Research, PLoS One, Psychology and Aging, Psychoneuroendocrinology, Psychosomatic Medicine, Surgery for Obesity and Related Diseases, The Clinical Neuropsychologist, Oxford University Press, W.W. Norton & Company Publishers

Psychology Department and IRC Committee Service (UT Austin)

Director of Clinical Training	2018 -
Associate Director of Clinical Training	2016 - 2018
Undergraduate Faculty Advisor	2016 - 2018
Diversity Committee	2016 - 2018
Teaching Awards Committee	2016 - 2018
Curriculum Redesign Committee	2016 - 2017
David Yeager Promotion Committee	2015 - 2016
Cognitive Neuroscience Associate/Full Professor Search Committee	2015 - 2016
Research Grant Committee, Office of the Vice President for Research	2015 - 2016
Cognitive Neuroscience Research Assistant Professor Search Committee	2014 - 2016
Psychological Clinical Science (PCSAS) Accreditation Committee (Chair)	2014 - present
Advancement Committee	2014 - present
Graduate Admissions Committee (Clinical Psychology)	2009 - present
Willerman Award for Excellence in Research Review Committee	2009 - present
Imaging Research Center Safety Committee	2008 - 2009
Imaging Research Center Scanner Upgrade Committee	2008 - 2009

Guest Lectures in Psychology, Cognitive Science, and Neuroscience (UT Austin)

Introduction to Clinical Psychology, PSY 364 (undergraduate)	2014
Fundamentals of Cognition, PSY 387R (graduate)	2010 - 2017
Cognitive Neuroscience, PSY 341K (undergraduate)	2009 - 2014
History of Modern Psychology, PSY 341K (undergraduate)	2007 - 2012
Introduction to Psychology, PSY 301 (undergraduate)	2009 - 2010
Introduction to Cognitive Science, CGS 360 (undergraduate)	2009, 2017
Brain Mechanisms of Learning and Memory, PSY 341K (undergraduate)	2009
Principles of Neuroscience I, NEU 482T (graduate)	2009

Public Outreach Lectures and Service to UT Austin Community

UT NOVA Speaker: Psychological Science & the Real World Series	2018
Panel Discussion, Aging in Place Symposium	2017
Panel Discussion, Texas Leadership Society lunch	2017
Panel Discussion, University Development Board, Fall Meeting	2016
Invited Lecture, Texas Exes 50 th Year Reunion Event, Class of 1964	2014
Invited Lecture, CoLA Houstonian Luncheon feat, Coronado Club, Houston	2014
Invited Lecture, CoLA Advisory Council, UT Austin	2014

Invited Lecture, CoLA 50 th Year Reunion Event, Class of 1963	2013
Invited Lecture, TriBeta Biological Honor Society, UT Austin	2013
NeuroOlympics Judge, UT Austin	2012
Panel Discussion, Center for Teaching and Learning, UT Austin	2012
Invited Lecture, Science Study Break, UT Life Sciences Library	2012
Invited Lecture, Psychology Department Reunion, UT Austin	2012
Invited Lecture, Psychology Advisory Council Meeting, UT Austin	2012
Invited Lecture, Synapse Student Organization, UT Austin	2011
Lab Presentation at UT Austin Research Week	2009, 2010
Invited Lecture, Organization for Women in Psychology	2008

Public Outreach Lectures and Service to the Community

Invited Lecture, Harvard Club, New York, NY	2017
Invited Lecture, Southpark Meadows Nursing and Rehabilitation Center, Austin, TX	2015
Invited Lecture, River Oaks Country Club, Houston, TX	2014
Invited Lecture, Monteagle Sunday School Assembly, Monteagle, TN	2013
Stephen F. Austin High School's Senior Career Day, Austin, TX	2010
Invited Lecture, Connoley Guerrero Senior Center, Austin, TX	2009
Invited Lecture, Monteagle Sunday School Assembly, Monteagle, TN	2008

Recent Media Coverage and Media Outreach

March 2018

Our work was featured in Research Features, Celebrating Women in Science:

<https://researchfeatures.com/2018/03/07/neuroscience-service-society/>