

Complete List of Published Work

Peer Reviewed Journal articles

1. Capaldi, E.D., Hovancik, J.R. & Davidson, T.L. (1979). Learning about water by hungry rats. Learning and Motivation, 10, 58-72.
2. Capaldi, E.D. & Davidson, T.L. (1979). Control of instrumental behavior by deprivation stimuli. Journal of Experimental Psychology: Animal Behavior Processes, 5, 355-367.
3. Capaldi, E.J., Verry, D.R. & Davidson, T.L. (1980). Why rule-encoding by animals remains to be established. Animal Learning and Behavior, 8, 691-692.
4. Capaldi, E.J., Verry, D.R. & Davidson, T.L. (1980). Memory, serial anticipation pattern learning, and transfer in rats. Animal Learning & Behavior, 8, 575-585.
5. Davidson, T.L., Capaldi, E.D. & Myers, D.E. (1980). Effects of reward magnitude on running speed following a deprivation upshift. Bulletin of the Psychonomic Society, 15, 150-152.
6. Capaldi, E.D., Viveiros, D.M. & Davidson, T.L. (1981). Deprivation stimulus intensity and incentive factors in the control of instrumental responding. Journal of Experimental Psychology: Animal Behavior Processes, 7, 140-149.
7. Capaldi, E.D., Davidson, T.L. & Myers, D.E. (1981). Resistance to satiation: Reinforcing effects of food and eating under satiation. Learning and Motivation, 12, 171-195.
8. Capaldi, E.D., Myers, D.E. & Davidson, T.L. (1981). A comparison of resistance to satiation and resistance to extinction. Animal Learning & Behavior, 9, 108-114.
9. Davidson, T.L., Capaldi, E.D. & Peterson, J.L. (1982). A comparison of the effects of reward magnitude and deprivation level on resistance to extinction. Bulletin of the Psychonomic Society, 19, 119-122.
10. Capaldi, E.D., Sheffer, J.D., Viveiros, D.M., Davidson, T.L. & Campbell, D.H. (1985). Shock preexposure and the reduced effectiveness of shock. Learning and Motivation, 16, 357-380.
11. Davidson, T.L., Capaldi, E.D., & Campbell, D.A. (1985). Irrelevant incentive learning revisited: Associating flavors and external cues with positive incentives. Learning and Motivation, 16, 288-300.
12. Davidson, T.L., & Rescorla, R.A. (1986). Transfer of facilitation in the rat. Animal Learning & Behavior, 14, 380-386.
13. Davidson, T.L., & Lucki, I. (1987). Long-term effects of yohimbine on behavioral sensitivity to a stressor. Psychopharmacology, 92, 35-41.
14. Davidson, T.L. & Lucki, I. (1987). Pentylentetrazol enhances and diazepam reduces long-term behavioral tolerance to stressors. Pharmacology, Biochemistry & Behavior, 27, 99-103.
15. Davidson, T.L. (1987). Learning about deprivation intensity cues. Behavioral Neuroscience, 101, 198-208.
16. Davidson, T.L., Flynn, F.W., & Grill, H.G. (1988). A comparison of the interoceptive sensory consequences of CCK, LiCl, and satiety in rats. Behavioral Neuroscience, 102, 134-140.
17. Davidson, T.L., Aparicio, J., & Rescorla, R.A. (1988). Transfer between Pavlovian facilitators and instrumental discriminative stimuli. Animal Learning & Behavior, 16, 285-291.
18. Davidson, T.L. & Jarrard, L.E. (1989). Retention of concurrent conditional discriminations in rats with ibotenate lesions of the hippocampus. Psychobiology, 17, 49-60.
19. Jarrard, L.E., & Davidson, T.L. (1990). Acquisition of concurrent conditional discrimination in rats with ibotenate lesions of the hippocampus and subiculum. Psychobiology, 18, 68-73.
20. Davidson, T.L. (1990). The long-term effects of diazepam, lorazepam, and buspirone on behavioral sensitivity to a stressor. Progress in Neuropsychopharmacology and Biological Psychiatry, 14, 223-236.
21. Breslin, P.A.S., Davidson, T.L., & Grill, H.J. (1990). Conditioned reversal of reactions to normally-avoided tastes. Physiology & Behavior, 47, 535-538.
22. Davidson, T.L. (1990). Discontinuation of diazepam and sensitivity to a shock signal: Fear conditioning prior to drug treatment. Pharmacology, Biochemistry, & Behavior, 36, 691-694.
23. Jarrard, L.E., & Davidson, T.L. (1991). On the hippocampus and learned conditional responding: Effects of aspiration versus ibotenate lesions. Hippocampus, 1, 107-117.
24. Davidson, T.L., & Jarrard, L.E. (1992). Support for configural association theory: Now you see it, now you don't. Hippocampus, 2, 90-91.
25. Davidson, T.L., Flynn, F.W., & Jarrard, L.E. (1992). Potency of food deprivation intensity cues as discriminative stimuli. Journal of Experimental Psychology: Animal Behavior Processes, 18, 174-181.
26. Davidson, T.L., McKenzie, B.R., Tujo, C.J., and Bish, C.K. (1992). Development of tolerance to endogenous opiates activated by food deprivation. Appetite, 19, 1-13.

27. Davidson, T.L., & Jarrard, L.E. (1993). A role for hippocampus in the utilization of hunger signals, Behavioral and Neural Biology, 59, 167-171.
28. Davidson, T.L., McKernan, M.G., & Jarrard, L.E. (1993). Hippocampal lesions do not impair negative patterning: A challenge to configural association theory. Behavioral Neuroscience, 107, 227-234.
29. Davidson, T.L. and Carretta, J.C. (1993). Cholecystokinin, but not BBS, has interoceptive sensory consequences like 1-hr food deprivation. Physiology & Behavior, 53, 737-745.
30. Davidson, T. L. (1993). The nature and function of interoceptive signals to feed: Toward integration of physiological and learning perspectives. Psychological Review, 100, 640-657.
31. Seeley, R. J., Benoit, S. C., & Davidson, T. L. (1995). The discriminative cues produced by NPY do not generalize to the interoceptive cues produced by food deprivation. Physiology & Behavior, 58, 1237-1241.
32. Davidson, T. L., & Benoit, S.C. (1996). The learned function of food deprivation cues: A role for conditioned modulation. Animal Learning & Behavior, 24, 46-56.
33. Benoit, S. C., & Davidson, T. L. (1996). Interoceptive sensory signals produced by 24-hr food deprivation, pharmacological glucoprivation and lipoprivation. Behavioral Neuroscience, 110, 1-13.
34. Davidson, T. L., Altizer, A. M., Benoit, S. C., Walls, E. K., & Powley, T. L. (1997). Encoding and selective activation of "metabolic memories" in the rat. Behavioral Neuroscience, 111, 1014-1030.
35. Altizer, A. A., & Davidson, T. L. (1999). The effects of NPY and 5-TG on responding to cues for fats and carbohydrates. Physiology & Behavior, 65, 685-690.
36. Benoit, S. C., Davidson, T. L., Chan, K.-H., Trigilio, T., & Jarrard, L. E. (1999). Pavlovian conditioning and extinction of context cues and discrete CSs in rats with ibotenate lesions of the hippocampus. Psychobiology, 27, 26-39.
37. Benoit, S. C., Morell, J., & Davidson, T. L. (1999). Lesions of the amygdala central nucleus abolish lipoprivic-enhanced responding during oil-predicting conditioned stimuli, Behavioral Neuroscience, 113, 1233-1241.
38. Benoit, S. C., Davidson, T. L., & Morell, J., (2000). Na-2-mercaptoacetate interferes selectively with satiation involving peanut oil but not sucrose. Psychobiology, 28, 387-393.
39. Davidson, T. L. (2000) Pavlovian occasion setting: A link between physiological change and appetitive behavior. Appetite, 35, 271-272.
40. Chan, K-H., Morell, J. R., Jarrard, L. E., & Davidson, T. L. (2001). Reconsideration of the role of the hippocampus in learned inhibition. Behavioural Brain Research, 119, 111-130.
41. Benoit, S. C., Tracy, A. L., Air, E. L., Kinzig, K., Seeley, R. J., Davidson, T. L. (2001). The role of the hypothalamic melanocortin system in behavioral appetitive processes. Pharmacology, Biochemistry, & Behavior, 69, 603-609.
42. Tracy, A. L., Jarrard, L. E., & Davidson, T. L. (2001). The hippocampus and motivation revisited: appetite and activity. Behavioural Brain Research, 127, 13-23.
43. Morell, J. R. & Davidson, T. L. (2002). Transfer across unconditioned stimuli in serial feature discrimination training. Journal of the Experimental Psychologist: Animal Behavior Processes, 28, 83-96.
44. Chan, K-H., Jarrard, L. E., & Davidson, T.L. (2003). The effects of selective ibotenate lesions of the hippocampus on conditioned inhibition and extinction, Cognitive, Affective, & Behavioral Neuroscience, 3, 111-119.
45. Jarrard, L. E., Davidson, T. L., & Bowering, B. (2004). Functional differences within the medial temporal lobe of the rat. Hippocampus, 14, 434-449.
46. Davidson, T. L., & Swithers, S. E. (2004). A Pavlovian approach to the problem of obesity. International Journal of Obesity, 28, 933-935.
47. Davidson, T. L. & Jarrard, L. E. (2004). The hippocampus and inhibitory learning: A 'Gray' area? Neuroscience and Biobehavioral Reviews, 28, 261-171.
48. Tracy, A. L., Phillips, R. J., Chi, M.M., Powley, T. L., & Davidson, T. L. (2004). The GI tract 'tastes' nutrients: Evidence from the intestinal taste aversion paradigm. American Journal of Physiology-Regulatory, Integrative and Comparative Physiology, 287, 1086-1100.
49. Davidson, T. L., & Swithers, S. E. (2005). Food viscosity influences caloric intake compensation and body weight in rats. Obesity Research, 13, 537-544.
50. Davidson, T.L., Kanoski, S.E., Tracy, A. L., Walls, E. K., Clegg, D. & Benoit, S.C. (2005). Interoceptive cue properties of ghrelin generalize to cues produced by food deprivation. Peptides, 26, 1602-1610.
51. Swithers S. E., Davidson T. L. (2005). Obesity: outwitting the wisdom of the body? Current Neurological and Neuroscience Reports, 5, 159-62.

52. Davidson, T. L., Kanoski, S. E., Walls, E. K., and Jarrard, L. E. (2005). Memory and energy regulation. Physiology & Behavior, 86, 731-746.
53. Swithers, S. E., & Davidson, T. L. (2005). Influence of early dietary experience on energy regulation in rats. Physiology & Behavior, 86, 669-680.
54. Swithers, S.E., Doerflinger, A., Davidson T.L. (2006) Consistent relationships between sensory properties of savory snack foods and calories influence food intake in rats. International Journal of Obesity, 30, 685-92.
55. Tracy, A. L., Davidson, T. L. (2006) Comparison of nutritive and nonnutritive stimuli in intestinal and oral conditioned taste aversion paradigms. Behavioral Neuroscience, 120, 1268-1278.
56. Kanoski, S.E., Walls, E.K., Davidson, T.L. (2007). Interoceptive "satiety" signals produced by leptin and CCK. Peptides, 28,988-1002.
57. Kanoski, S.E., Meisel, R.L., Mullins, A.J., Davidson, T.L. (2007). The effects of energy-rich diets on discrimination reversal learning and on BDNF in the hippocampus and prefrontal cortex of the rat. Behavioral Brain Research, 182. 57-66.
58. Davidson, T. L., Kanoski, S. E., Schier, L. A., Clegg, D.J., Benoit, S.C. (2007). A potential role for the hippocampus in energy intake and body weight regulation. Current Opinion in Pharmacology, 7, 1–4.
59. Swithers, S. E., & Davidson, T. L. (2008). A role for sweet taste-calorie predictive relations in energy regulation by rats. Behavioral Neuroscience, 122, 161–173.
60. Tracy, A.L., Clegg, D.J., Johnson, J. J., Davidson, T. L., Benoit, S.C. (2008). The melanocortin antagonist AgRP (83-132) increases appetitive responding for a fat, but not a carbohydrate, reinforcer. Pharmacology, Biochemistry, and Behavior, 89, 263-271.
61. Davidson, T.L., Chan, K-H, Jarrard, L.E., Kanoski, S. E., Clegg, D.J., Benoit, S.C. (2009). Contributions of the hippocampus and medial prefrontal cortex to energy and body weight regulation. Hippocampus, 19, 235-252.
62. Swithers, S.E., Baker, C.R., & Davidson, T.L. (2009). General and persistent effects of high intensity sweeteners on body weight gain and caloric compensation in rats. Behavioral Neuroscience, 123, 772-80.
63. Davidson, T.L., Kanoski, S.E., Chan, K-H., Clegg, D.J., Benoit, S. C., & Jarrard, L.E. (2010). Hippocampal lesions impair retention of discriminative responding based on energy state cues. Behavioral Neuroscience, 124, 97-105.
64. Kanoski, S. E., & Davidson, T. L. (2010). Different patterns of memory impairments accompany short- and longer-term maintenance on a high-energy diet. Journal of Experimental Psychology: Animal Behavior Processes, 36, 313-319.
65. Swithers, S. E., Martin, A. A., & Davidson, T. L. (2010). High-intensity sweeteners and energy balance. Physiology and Behavior, 100, 55-62.
66. Kanoski, S.E., Zhang, Y., Zheng, W., & Davidson, T.L. (2010). The effects of a high-energy diet on hippocampal function and blood-brain barrier integrity in the rat. Journal of Alzheimer's Disease, 21, 207–19
67. Benoit, S.C., Davis, J.F., & Davidson, T. L. (2010) Learned and cognitive controls of food intake. Brain Research, 1350, 71-76.
68. Swithers, S.E., Martin, A.A. Clark, K.M., Laboy, A.F., & Davidson, T.L. (2010). Body weight gain in rats consuming sweetened liquids: effects of caffeine and diet composition. Appetite, 55, 528-533.
69. Davidson, T. L., Martin, A.A., Clark, K., & Swithers, S. E. (2011). Intake of high-intensity sweeteners alters the ability of sweet taste to signal caloric consequences: implications for the learned control of energy and body weight regulation. Quarterly Journal of Experimental Psychology, 64, 1430-1441.
70. Kanoski, S.E., & Davidson, (2011). Western diet consumption and cognitive impairment: links to hippocampal dysfunction and obesity. Physiology & Behavior,103, 59–68.
71. Swithers, S.E., Ogden, S.B., Davidson, T.L. (2011) Fat substitutes promote weight gain in rats consuming high-fat diets. Behavioral Neuroscience, 125, 512-518.
72. Jarrard, L.E., Luu, L. P., Davidson, T. L., (2012). A study of hippocampal structure-function relations along the septo-temporal axis. Hippocampus, 22, 680-692.
73. Swithers, S.E. Laboy, A.F., Clark, K., Cooper, S., Davidson, T.L. (2012). Experience with the high-intensity sweetener saccharin impairs glucose homeostasis and GLP-1 release in rats. Behavioural Brain Research, 233, 1-14.
74. Schier, L. A., Davidson, T. L., Powley, T. L. (2012) Ongoing ingestive behavior is rapidly suppressed by a preabsorptive, intestinal "bitter taste" cue. American Journal of Physiology: Regulatory, Integrative and Comparative Physiology, 301, R1557-R1568.

75. Schier, L. A., Davidson, T. L., Powley, T. L. (2012). Rapid stimulus-bound suppression of intake in response to an intraduodenal non-nutritive sweetener after training with nutritive sugars predicting malaise. American Journal of Physiology: Regulatory, Integrative and Comparative Physiology, 302, R1351-R1363.
76. Davidson, T.L., Monnot, A. Neal, A.U., Martin, A. A., Horton, J. J., Zheng, W. (2012). The effects of a high-energy diet on hippocampal-dependent discrimination performance and blood-brain barrier integrity differ for diet-induced obese and diet-resistant rats. Physiology and Behavior, 107, 26-33.
77. Swithers, S.E., Ogden, S. B, Laboy, A. F., Davidson, T.L. (2012). Saccharin pre-exposure enhances appetitive flavor learning in pre-weanling rats. Developmental Psychobiology, 54, 818-824.
78. Behl, M., Rao, D., Aagaard, K., Davidson, T.L, Levin, E.D., Slotkin, T. A., Srinivasan, S. Wallinga, D., White, M. F., Walker, V. R., Thayer, K.A., Holloway, A. C. (2013). Evaluation of the Association between Maternal Smoking, Childhood Obesity, and Metabolic Disorders: A National Toxicology Program Workshop Review. Environmental Health Perspectives, 121, 170-180.
79. Swithers, S.E., Sample, C.H., Davidson, T.L. (2013). Adverse effects of high-intensity sweeteners on energy intake and weight control in male and obesity-prone female rats. Behavioral Neuroscience, 127, 262-274.
80. Davidson, T.L., Hargrave, S.L., Swithers, S.E., Sample, C.H., Fu, X., Kinzig, K.P. & Zheng, W. (2013). Inter-relationships among diet, obesity, and hippocampal-dependent cognitive function. Neuroscience, 3, 110-22.
81. Davidson, T.L., Sample, C.H., & Swithers, S.E. (2014). An application of Pavlovian principles to the problems of obesity and cognitive decline. Neurobiology of Learning and Memory, 108, 172-184.
82. Davidson, T.L. (2014). Do impaired memory and body weight regulation originate in childhood with diet-induced hippocampal dysfunction? American Journal of Clinical Nutrition, 99, 971-2.
83. Grayson, B., Fitzgerald, M. Hakala-Finch, A. Ferris, V., Begg, D. Tong, J., Woods, S., Seeley, R., Davidson, T. Benoit, S. (2014). Improvements in hippocampal-dependent memory and microglial-infiltration with calorie restriction and gastric bypass surgery but not with vertical sleeve gastrectomy. International Journal of Obesity, 38, 349-56. (PMID: 23887140).
84. Davidson, T. L., Martin, A. A. (2014). Obesity: Cognitive impairment and the failure to 'eat right'. Current Biology. 4, R685-7.
85. Martin, A. A., & Davidson, T.L. (2014). Human cognitive function and the obesogenic environment. Physiology and Behavior, 136, 185-93.
86. Davidson, T.L., Tracy, A.L., Schier, L.A., Swithers, S.E. (2014). A View of Obesity as a Learning and Memory Disorder, Journal of Experimental Psychology: Animal Learning and Cognition, 40: 261-79.
87. Maclean, P. Wing, R.R., Loria, C., Davidson, T.L., Epstein, L., Goodpaster, B., Hall, K., Levin, B., Perri, M.G., Rolls, B.J., Rosenbaum, M., Rothman, A.J., Ryan, D. Working Group conveners Agurs-Collins, T., Czajkowski, S., Hunter, C., Yanovski, S. (2015). NIH Working Group Report: Innovative Research to Improve Maintenance of Weight Loss, Obesity, 23: 7-15.
88. Hargrave, S.L., Davidson, T.L., Lee, T-J., & Kinzig, K.P. (2015). Brain and behavioral perturbations in rats following western diet access. Appetite, 93: 35-43.
89. Sample, C.H., Martin, A.A., Jones, S.L., Hargrave, S.L., & Davidson, T.L. (2015), Western-style diet impairs stimulus control by food deprivation state cues: Implications for obesogenic environments. Appetite, 93: 13-23.
90. Davidson, T.L. & Riley, A.L. (2015). The history and legacy of conditioned taste aversion. American Scientist, 103: 204-209.
91. Hargrave, S.L., Davidson, T.L., Zheng, W. & Kinzig, K, P. (2016). Western diets Induce blood-brain barrier leakage and alter spatial strategies in rats. Behavioral Neuroscience, 130, 123–135.
92. Hargrave, S.L., Jones, S. & Davidson, T.L. (2016). The Outward Spiral: A vicious cycle model of obesity and cognitive dysfunction. Current Opinion in Behavioral Sciences, 9, 40-46.
93. Sample, C.H., Jones, S., Hargrave, S.L., & Davidson, T.L., (2016). Western diet and the weakening of the interoceptive stimulus control of appetitive behavior. Behavioral Brain Research, 312, 219-230.
94. Sample, C.H., Jones, S., Dwider, F., Davidson, T.L., (2017). Discriminative control by deprivation states and external cues in male and female rats. Physiology & Behavior 184, 91-99.
95. Martin, A.A., Davidson, T.L., McCrory, M.A., (2018). Deficits in episodic memory are related to uncontrolled eating in a sample of healthy adults. Appetite. 124, 33-42.
96. Davidson, T.L., Hargrave, S.L., Kearns, D. Clasen, M., Jones, S., Wakeford, A., Sample, C.S., & Riley, A.L. (2018). Cocaine impairs serial-feature negative learning and blood-brain barrier integrity.

Pharmacology, Biochemistry, & Behavior 170, 56–63.

97. Jones, S., Sample, C.H., Hargrave, S.L., Davidson, T.L. (2018). Associative mechanisms underlying the function of satiety cues in the control of energy intake and appetitive behavior. Physiology & Behavior. 192, 37–49.
98. Jones, S., Sample, C.H., Davidson, T.L. (2019). The effects of a GLP-1 analogue liraglutide on reward value and the learned inhibition of appetitive behavior in male and female rats. International Journal of Obesity. 43,1875-1879.
99. Davidson, T. L., Jones, S., Roy, M., & Stevenson, R. J. (2019). The cognitive control of eating and body weight: it's more than what you "think". Frontiers in Psychology, 10, 1-22.
100. Clasen, M. M., Sanon, T. V., Hempel, B.J., Nelson, K.H., Kearns, D.N., Davidson, T.L., & Riley, A.L. (2019) Ad-libitum high fat diet consumption during adolescence and adulthood increases the intravenous self-administration of cocaine in male Sprague-Dawley rats. Experimental and Clinical Psychopharmacology, (1):32-43.
101. Holton, K.F., Hargrave, S.L., & Davidson, T.L. (2019) Differential effects of dietary MSG on hippocampal-dependent memory are mediated by diet. Frontiers in Neuroscience. doi: 10.3389/fnins.2019.00968. eCollection.
102. Clasen, M.M., Sanon, T.V., Kearns, D.N., Davidson, T.L. & Riley, A.L (2020). Ad libitum high fat diet consumption during adolescence and adulthood fails to Impact the affective properties of cocaine in male Sprague-Dawley rats. Experimental and Clinical Psychopharmacology, 28(4):438-448.
103. Stevenson, R.J., Francis, H.M., Attuquayefio, T., Gupta, D. Yeomans, M.R., Oaten, M.J. and Davidson T. (2020) .Hippocampal-dependent appetitive control is impaired by experimental exposure to a Western-style diet. Royal Society Open Science, 19;7(2):191338. doi: 10.1098/rsos.191338. eCollection.
104. Clasen, M.M., Riley, A.R. & Davidson, T.L. (2020). Hippocampal-dependent inhibitory learning and memory processes in the control of eating and drug taking. Current Pharmaceutical Designs. 26(20):2334-2352
105. Jones, S., Hyde, A., & Davidson (2020). Reframing appetitive reinforcement learning and reward valuation as effects mediated by hippocampal-dependent behavioral inhibition. Nutrition Research, 79, 1-12.
106. Rowe CJ, Crowley-Perry M, McCarthy E, Davidson TL, Connaughton VP. The Three-Chamber Choice Behavioral Task using Zebrafish as a Model System. J Vis Exp. 2021 Apr 14;(170)
107. Davidson, T. L. & Stevenson, R.J. (2022). Appetitive interoception, the hippocampus and western-style diet. Reviews in Endocrinology and Metabolic Disorders. in press.
108. Davidson, T.L., Ramirez, E. Kwarteng, E.A., Djan, K.G., Faulkner, L.M., Parker, M.N., Yang, S., Zenno, A., Kelly, N.R., Shank, L.M., Tanofsky-Kraff, M. Snelling, A., Irvine Belson, S. Hyde, A., Chen, K.Y., & Yanovski, J.A. (2022), Retrieval-induced forgetting in children and adolescents with and without obesity, International Journal of Obesity, in press.

Edited Chapters

1. Jarrard, L.E., & Davidson, T.L. (1995). The hippocampus and complex, nonspatial discrimination: Is learning still "not possible"? In N.E. Spear, L.P. Spear, & M. Woodruff (Eds.), Neurobiological plasticity: Learning, development and response to brain insults, New York: L. Earlbaum Publisher (pp. 15-32).
2. Davidson, T. L., & Benoit, S. C. (1997). Learning and Eating. In W. O'Donohue (Ed.), Learning and Behavior Therapy, (pp. 498-516), Allyn & Bacon, New York.
3. Davidson, T. L. (1998). Hunger cues as modulatory stimuli. In N. Schmajuk & P. Holland (Eds.) Occasion Setting: Data and Theory, (pp. 223-248), American Psychological Association Press.
4. Davidson, T. L. (1999). Modulation of "Metabolic Memories" in the rat. In G. Bray and D. York (Eds.), Nutrition, Genetics, & Obesity, (pp. 493-509), Pennington Press, Baton Rouge.
5. Davidson, T. L., Morell, J., & Benoit, S. C. (2000). Memory and macronutrient regulation. In H. Berthoud and R. Seeley (Eds.) Neural Control of Macronutrient Selection, (pp. 207-221), CRC Press, New York.
6. Davidson T. L., Sample, C.H., & Kanoski, S. (2014). Western diet and cognitive impairment. In C. Martin and V. Preedy (Eds.) Diet and Nutrition; Dementia and Cognitive Decline. Elsevier International, India.
7. Martin, A.A., Hargrave, S.L., & Davidson, T.L. (2016). Childhood obesity: Implications for neurocognitive functioning. In M. Goran (Ed.) Childhood Obesity: Causes, Consequences and

Intervention Approaches, Taylor & Francis.

Other Edited Publications

1. Davidson, T L. & Boutelle, K.N. (2015). Special issue of *Appetite: The proceedings of the American University Symposium on Childhood Obesity and Cognition*. *Appetite*, 93, 1-2.
2. Saldanha, C., & Davidson, T.L., (2018). Special issue of *Physiology & Behavior: The proceedings of the American University Symposium on Sex Differences: from Neuroscience to the Clinic and Beyond*. *Physiology & Behavior*, 187, 1-2.