Curriculum Vitae

TYLER DAVIS

Feb 13, 2018

Contact

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Google Scholar: https://scholar.google.com/citations?user=CGEUtloAAAAJ&hl=en&oi=ao

ResearchGate: https://www.researchgate.net/profile/Tyler_Davis7

Academic Appointments

2013 - Assistant Professor, Department of Psychology, Texas Tech University
2014 - 2016 Interim Assistant Director, Texas Tech Neuroimaging Institute, Texas Tech University
2010 - 2013 Postdoctoral Fellow, Imaging Research Center, University of Texas at Austin

Education

2005 - 2010 Ph.D. Cognitive Psychology, University of Texas at Austin
2005 - 2007 M.A. Cognitive Psychology, University of Texas at Austin
2001 - 2005 B.S. Psychology, York College of Pennsylvania

Journal Publications

*Indicates undergraduate advisee
+Indicates graduate student supervised

Vogel, T., Carr, E.W., Davis, T., & Winkielman, P. (in press). Category structure determines the relative attractiveness of global versus local averages. *Journal of Experimental Psychology: Learning, Memory, and Cognition.* http://psycnet.apa.org/record/2017-42061-001

+O'Bryan, S.R., Walden, E., Serra, M.J., & Davis, T. (2018). Rule activation and ventromedial prefrontal engagement support accurate stopping in self-paced learning. *NeuroImage 172*, 415-436. https://doi.org/10.1016/j.neuroimage.2018.01.084

+Paniukov, D., and Davis, T. (2018). The evaluative role of the rostrolateral prefrontal cortex in rule-based category learning. *Neuroimage,166*, 19-31. https://doi.org/10.1016/j.neuroimage.2017.10.057

Chin, S.H., Kahathuduwa, C.K., Stearns, M.B., Davis, T., & Binks, M. (2018). Is hunger important to model in fMRI visual food-cue reactivity paradigms in adults with obesity and how should this be done? *Appetite*, *120*, 388-397. https://doi.org/10.1016/j.appet.2017.09.012

Kahathuduwa, C.N., Dhanasekara, C.S., Chin, S.H., Davis, T., Weerasinghe, V.S., Dassanayake, T.L., Binks, M. (2018). L-Theanine and caffeine improve target-specific attention to visual stimuli by decreasing mind wandering: a human functional magnetic resonance imaging study. *Nutrition Research*, *49*, 67-78. https://doi.org/10.1016/j.nutres.2017.11.002

Kahathuduwa, C.K., Davis, T., O'Boyle, M., Boyd, L.A., Chin, Paniukov, D., & Binks, M. (2018). Effects of 3-Week Total Meal Replacement vs. Typical Food-based Diet on Human Brain Functional Magnetic Resonance Imaging Food-cue Reactivity and Functional Connectivity in People with Obesity. *Appetite*, *120*, 431-441. https://doi.org/10.1016/j.appet.2017.09.025

Kahathuduwa, C.N., Davis, T., O'Boyle, M., & Binks, M. (2018). Do scores on the Food Craving Inventory and Three-Factor Eating Questionnaire correlate with expected brain regions of interest in people with obesity? *Physiology & Behavior, 188*, 1-10. https://doi.org/10.1016/j.physbeh.2018.01.018

Davis, T., Goldwater, M.B., Ireland, M.E., Gaylord, N., and Van Allen, J. (2017). Can you catch Ebola from a stork bite? Inductive reasoning influences generalization of perceived zoonosis risk. *PLoS One*, 12, e0186969. https://doi.org/10.1371/journal.pone.0186969

+Tapp, W. N., Davis, T. H., +Paniukov, D., Brooks, J. C., Brashears, M. M., & Miller, M. F. (2017). Beef assessments using functional magnetic resonance imaging and sensory evaluation. *Meat Science, 126,* 11-17.

Binks, M., Kahathuduwa, C. N., & Davis, T. (2017). Challenges in accurately modeling the complexity of human ingestive behavior: the influence of portion size and energy density of food on fMRI food-cue reactivity. *The American Journal of Clinical Nutrition, 105*, 289-290.

Davis, T., Goldwater, M., & *Giron, J. (2017). From Concrete Examples to Abstract Relations: The Rostrolateral Prefrontal Cortex Integrates Novel Examples into Relational Categories. *Cerebral Cortex*, *27*, 2652-2670.

Kahathuduwa, C. N., Boyd, L. A., Davis, T., O'Boyle, M., & Binks, M. (2016). Brain regions involved in ingestive behavior and related psychological constructs in people undergoing calorie restriction. *Appetite, 107*, 348-361.

Byrne, K.A., Davis, T., and Worthy, D.A. (2016). Dopaminergic Genetic Polymorphisms Predict Rule-based Category Learning. *Journal of Cognitive Neuroscience, 28,* 959-970.

Worthy, D.A., Davis, T., Gorlick, M.A., Cooper, J.A., Bakkour, A., Mumford, J.A., Poldrack, R.A. and Maddox, W.T. (2016). Neural Correlates of State-Based Decision-Making in Younger and Older Adults. *Neuroimage, 130,* 13-23.

Mumford, J.A., Davis, T., and Poldrack, R.A. (2014). The impact of study design on pattern estimation for single-trial multivariate pattern analysis. *Neuroimage, 103,* 130-138.

Davis, T., Xue, G., Love, B.C., Preston, A.R, and Poldrack, R.A. (2014). Global neural pattern similarity as a common basis for categorization and recognition memory. *Journal of Neuroscience, 34,* 7472–7484.

Davis, T., LaRocque, K. F., Mumford, J.A., Norman, K. A., Wagner, A. D., & Poldrack, R. A. (2014). What do differences between multi-voxel and univariate analysis mean? How subject-, voxel-, and trial-level variance impact fMRI analysis. *NeuroImage, 97,* 271-283.

Davis, T., & Poldrack, R.A. (2014). Quantifying the Internal Structure of Categories Using a Neural Typicality Measure. *Cerebral Cortex, 24*,1720-1737.

Davis, T., & Poldrack, R.A. (2013). Measuring neural representations with fMRI: Practices and pitfalls. *Annals of the New York Academy of Sciences*, *1296*, 108-134.

*Sanders, M., Davis, T., & Love, B.C. (2013). Are better examples beautiful or are beautiful examples better? Exploring the relationship between beauty and category structure. *Psychonomic Bulletin & Review*, *20,* 566-573.

Davis, T., Love, B.C., & Maddox, W.T. (2012). Age-related declines in the fidelity of newly acquired category representation. *Learning & Memory, 19*, 325-329.

Davis, T., Love, B.C., & Preston, A.R. (2012b). Striatal and hippocampal entropy and recognition signals in category learning: Simultaneous processes revealed by model-based fMRI. *Journal of Experimental Psychology: Learning, Memory & Cognition, 38*, 821-839.

Davis, T., Love, B.C., & Preston, A.R. (2012a). Learning exceptions to the rule: Model-based fMRI reveals specialized representations for surprising category members. *Cerebral Cortex, 22*, 260-273.

Davis, T., & Love, B.C. (2010). Memory for category information is idealized through contrast with competing options. *Psychological Science, 21*, 234-242.

Davis, T., Love, B.C., & Maddox, W.T. (2009). Anticipatory emotions in decision tasks: Covert markers of value or attentional processes? *Cognition, 112*, 195-200.

Davis, T., Love, B.C., & Maddox, W.T. (2009). Two pathways to stimulus encoding in category learning? *Memory & Cognition, 37*, 394-413.

Pre-print Publications

Davis, T. ,O'Bryan, S., Livesey, E., & Worthy, D. A. (2018). Model-based fMRI reveals dissimilarity processes underlying base rate neglect. https://www.researchgate.net/publication/322852257_Model-based_fMRI_Reveals_Dissimilarity_Processes_Underlying_Base_Rate_Neglect

Peer Reviewed Conference Proceedings

Goldwater, M. B., Ireland, M. E., Gaylord, N., Van Allen, J., & Davis, T. (2017). Inductive reasoning influences perception of interspecies disease transmission risk. *Proceedings of the Annual Meeting of Cognitive Science Society*. Mahwah, NJ: Lawrence Erlbaum Associates.

Mazon, M.R., +Tapp, W.N., Davis, T.H., +Paniukov, D. and Miller, M.F. (2016). Resting state connectivity of the medial orbitofrontal cortex is altered after eating varying qualities of steak. *Meat Science, 112*, 111-112.

+Tapp, W.N., Davis, T.H.,+Paniukov, D. and Miller, M.F. (2016). Neural connectivity of the right and left nucleus accumbens after eating high and low quality steak. *Meat Science, 112*, p.113.

+Tapp, W.N., Davis, T, +Paniukov, D., Brooks, J.C., and Miller, M.F. (2016). Neurophysiologic changes in resting state connectivity induced by differing qualities of beef stimuli. *Proceedings of the Annual Reciprocal Meat Conference.*

+Tapp, W.N., Miller, M.F., Gaylord, N., Goldwater, M.B., Ireland, M.E., Van Allen, J.A., and Davis, T. (2016). The impact of beliefs about cross-species disease transmission on the perceived safety of wild game meat: Building a psychological approach to meat safety. *Proceedings of the Annual Reciprocal Meat Conference.*

Davis, T., & Love, B.C. (2008). How Goals Shape Category Acquisition:
The Role of Contrasting Categories. *Proceedings of the Annual Meeting of Cognitive Science Society*. Mahwah, NJ: Lawrence Erlbaum Associates.

Davis, T., Love, B. C., & Maddox, W. T. (2007). Translating From Perceptual to Cognitive Coding. *Proceedings of the Annual Meeting of Cognitive Science Society.* Mahwah, NJ: Lawrence Erlbaum Associates.

Book Chapters

Davis, T., Goldwater, M. B., Gaylord, N., Worthy, D. A., Otto, A. R., & Glass, B. D. (2013). The cognitive psychology of human-bat interactions: Implications for ecological policy and zoonotic disease transmission. In *Bats: Phylogeny and Evolutionary Insights, Conservation Strategies and Role in Disease Transmission.* Hauppauge, NY: Nova.

Funding

External

Current

Heart and Soul in the Later Years: Effects of Piano Instruction on Brain Function in Older Adults. Sponsor: CH Foundation. PI: Carla Cash. Role: Co-PI. Total: $10,000. 2017-2018.

Remember This? A participatory performance experience. Sponsor: CH Foundation. PI: Rachel Hirshorn-Johnston. Role: Co-PI. Total: $10,000. 2017-2018.

REU Site: Translational Research in Psychological Sciences; Human Factors at Texas Tech University. National Science Foundation. PI: Pat Delucia & James Yang Role: Senior Personnel. Award: $348,936. 9/1/16-8/31/19.

Past

A Novel Diagnostic Approach to Traumatic Brain Injuries in the Agriculture, Forestry and Fishing Industries. Sponsor: CDC National Institute of Occupational Safety and Health. PI: Joe Neary. Role: co-PI. Total: $19,9970. 2015-2016.

Neural Correlates of a Nutritionally Balanced Total Meal Replacement, 3 week Dietary Exposure: An fMRI Study. Sponsor: Nestle HealthCare Nutrition. PI: Martin Binks. Role: co-I. Total: $44.589. 2015-2016.

Internal

Current

Building Capacity for Music Therapy Research: Revealing the Neural Basis of Music Skill Learning Using MR-Safe Instrumentation. Role: PI. Total: $149,905. 2016-2018.

Central nervous system regulation mechanisms of cyclical vomiting syndrome. PI: Mccallum, R. Role: co-PI. Total: $44,543. 2017-2018.

Past

Using Functional Imaging to Examine Mechanisms of the Relative Reinforcing Value of Food. Obesity Research Cluster Pilot & Feasibility Grant Competition.
PI : Jason Van Allen; Role: PI. Total: $4,700. 2015-2016.

Neurophysiological correlates of L-Theanine. COHS Neuroimaging Seed grant proposal. PI: Martin Binks. Role: co-PI. Total: $7,500. 2015-2016

Information acquisition and stopping when learning new categories. 2015 Rawls Competitive Summer Research Grant. PI: Eric Walden, Role: co-PI. Total: $15,000

Cluster Hire in Computational Neuroimaging. Presidential Cluster Hire Initiative Tier 2. PI: Sunanda Mitra. Role: co-PI. Total: $155,000. 2014-2016.

Mentor Role

CALUE Undergraduate Scholar Project. Giron (PI) ($1,080)

Awards and Honors

Fellow, Institute for Inclusive Excellence, Texas Tech University, 2016-2017
Visiting International Collaborative Scholar Award, University of Sydney, 2015
Society for Personality and Social Psychology Student Travel Award, 2010
Society for Neuroscience Chapters Student Travel Award, 2009
Graduate School Continuing Fellowship, 2009-2010
Carmen Owen Memorial Award for Outstanding Psychology Research, York College of Pennsylvania, Spring 2005

Mentor Role

Graduate Student Travel Award. Cognitive Neuroscience Society. O'bryan (awardee) 1/5/2014.
CALUE Undergraduate Travel Award. Giron (awardee) 9/15/2014
CALUE Undergraduate Travel Award. Morris (awardee) 1/24/2015

Invited Lectures

Davis, T. (2018). Toward a unified theory of rostrolateral prefrontal cortex function in category learning. Texas A&M University.

Davis, T. (2015). From artificial category learning to social concepts: Model-based fMRI reveals neural basis of conceptual representations. School of Psychology. University of Sydney.

Davis, T. (2014). What Neuroimaging Can Tell Us About Learning and Memory. Osher Lifelong Learning Institute.

Davis, T. (2014). Dependency Graphs as a Window into the Neural Representation of Self and Others. Leadership Brownbag. Rawls School of Business, Texas Tech University.

Davis, T. (2014). Linking fMRI and Computational Models: An Integrated Approach to the Cognitive Neuroscience of Categories and Concepts. Neuroscience Brown Bag. Texas Tech Neuroimaging Institute, Texas Tech University.

Symposia

Goldwater, M.B., Fleming, S., and Davis, T. (2017). Toward a unified account of frontopolar function in higher-level cognition. 13th International Conference for Cognitive Neuroscience (ICON), Amsterdam, NL.

Presentations
*Indicates undergraduate supervised
+Indicates graduate student supervised

Davis, T., and Ireland, M.I. (2017). Internal structure is relative to semantic context: The case of gender bias in STEM applicant ratings. Oral presentation delivered at the Annual Meeting of the Psychonomic Society, Vancouver, B.C., Nov 2017.

+Kelley, T., Serra, M., England, B., and Davis, T. (2017). Differences in then and now: Partially unique neural activation patterns in prospective and retrospective metacognitive judgments. Poster presented at the Annual Meeting of the Psychonomic Society, Vancouver, B.C., Nov 2017.

+Kelley, T., Magreehan, D., Serra, M. J., & Davis, T. H. (2017). Neural evidence for retrieval attempts as an explanation for the delayed JOL effect. Poster presented at the Annual Meeting of ARMADILLO at Texas A&M University, TX, Oct, 2017.

Davis, T. (2017). The VMPFC tracks preferences for fluent category members. Oral presentation delivered at the Annual Meeting of ARMADILLO at Texas A&M University, TX, Oct 2017.

+Dabbakeh, N., and Davis, T. (2017). Lateralization in superior temporal sulcus animal representations: Motion and social-interactive roles. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, Mar 2017.

+O'Bryan, S., Livesey, E., and Davis, T. (2017). Activation of paired associates predicts cue revaluation in causal learning. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, Mar 2017.

+Kelley, T., Van Allen, J., & Davis, T. (2017). Medial prefrontal cortex activation for food tracks individual differences in food-reward sensitivity. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, Mar 2017.

*Morris, K., +O'Bryan, S., Livesey, E., Worthy, D.A., and Davis, T. (2017). Ventromedial prefrontal cortex (VMPFC) tracks subjective expectancy in a gambler's fallacy task. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, Mar 2017.

*Brashears, B., Brashears, M., Miller, M., Ireland, M., & Davis, T. (2017). Is Ice Cream Less of an Animal Product than Hot Dogs? The Role of Categorization in Judgments of Food Contamination Risk. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Antonio, Tx, Jan 2017.

Kahathuduwa, C.N., Chin, S.H., Boyd, L.A., Johns, B., Stearns, M., Davis, T., and Binks, M. (2016). Higher body mass index and longer duration of fasting are associated with shorter response times to visual food cues in adults with obesity. Poster presented at the Annual Meeting of the Obesity Society, New Orleans LA, Nov 2016.

Kahathuduwa, C.N., Davis, T, Chin, S.H., Boyd, L.A., Paniukov, D., O'Boyle, M., and Binks, M. (2016). Total meal replacement and typical food-based iso-caloric extended calorie restriction differentially affect brain function MRI food-cue reactivity. Poster presented at the Annual Meeting of the Obesity Society, New Orleans LA, Nov 2016.

Chin, S.H., Kahathuduwa, C.N., Boyd, L.A., Johns, B., Stearns, M., Davis, T., and Binks, M. (2016). How should hunger be modeled when analyzing outcomes of food-cue reactivity paradigms. Poster presented at the Annual Meeting of the Obesity Society, New Orleans LA, Nov 2016.

+Dabbakeh, N., Goldwater, M., Gaylord, N., and Davis, T. (2016). Animal Representations in superior temporal sulcus reflect their interactive roles. Poster presented at the Annual Meeting of the Psychonomic Society, Boston MA, Nov 2016.

+Kelley, T.D., Magreehan, D.A., Serra, M.J., and Davis, T. (2016). Neural evidence that learners activate both cues and targets when making delayed JOLs. Poster presented at the Annual Meeting of the Psychonomic Society, Boston MA, Nov 2016.

+Tapp, N.W., Davis, T., +Paniukov, D., Brooks, J.C., & Miller, M.F. (2016). Neurophysiologic changes in resting state connectivity induced by differing qualities of beef stimuli. Poster presented at the Reciprocal Meat Conference, San Angelo TX, June 2016.

+Tapp, N.W., Miller, M.F., Gaylord, N., Goldwater, M.B., Ireland, M.E., Van Allen, J., Davis, T. (2016). The impact of beliefs about cross-species disease transmission on perceived safety of

wild game meat: Building a psychological approach to meat safety. Poster presented at the Reciprocal Meat Conference, San Angelo TX, June 2016.

+O'Bryan, S., Walden, E., Serra, M.J., *Gierstorfer, S., and Davis, T. (2016). Reactivation strength underlies successful stopping in self-paced learning. Oral presentation delivered at the Annual Interdisciplinary Symposium on Decision Neuroscience, Philadelphia PA, June 2016.

Davis, T. (2016). The role of the frontal pole in acquiring new relational concepts. Oral presentation delivered at the Neuroimaging Symposium at the Innovation Hub, Lubbock TX, Mar 2016.

*Morris, K., Worthy, D.A., Byrne, K., *Brashears, B., and Davis, T. (2016). The role of the VMPFC in Category Learning: Decision Evidence or Expected Reward? Poster presented at Annual Meeting of Cognitive Neuroscience Society, New York NY, April 2016.

+O'Bryan, S., Walden, E., Serra, M.J., *Gierstorfer, S., and Davis, T. (2016). Reactivation strength underlies successful stopping in self-paced learning. Poster to be presented at Annual Meeting of Cognitive Neuroscience Society, New York NY, April 2016.

+Paniukov, D., Worthy, D.A., and Davis, T. (2016). Boundary enhancement effects in FMR Adaptation: Warping of representational spaces or selective attention? Poster presented at Annual Meeting of Cognitive Neuroscience Society, New York NY, April 2016.

+Kelley, T., Magreehan, D., Serra, M., and Davis, T. (2016). Neural Evidence for Retrieval Attempts as an Explanation for the Delayed JOL Effect. Poster presented at Annual Meeting of Cognitive Neuroscience Society, New York NY, April 2016.

Pang, B, Worthy, D.A., Davis, T., Cooper, J., Smayda, K., Byrne, K.A., & Maddox, W.T. (2016). Age Differences in BOLD Activation Associated with Changes in Decision-Making States. Poster presented at Annual Meeting of Cognitive Neuroscience Society, New York NY, April 2016.

Byrne, K.A., Davis, T., and Worthy, D.A. (2015). Providing Larger Rewards for Less Typical Exemplars Facilitates Rule-Based Category-Learning. Poster presented at Annual Meeting of Psychonomic Society, Chicago IL, 2015

Davis, T., Goldwater, M.B., & *Giron, J. (2015). From Concrete Examples to Relations: The Role of the Frontal Pole in Relational Category Learning. Oral presentation delivered at the annual meeting of the Psychonomic Society, Chicago, Ill., 2015.

Mazon, M.R., +Tapp, N.W., Davis, T., +Paniukov, D., & Miller, M.F. (2015). Resting State Connectivity of the Medial Orbitofrontal Cortex is Altered After Eating Varying Qualities of Steak. Poster presented at the Reciprocal Meat Conference, Lincoln NE, 2015.

+Tapp, N.W., Davis, T., +Paniukov, D., Brooks, J.C., & Miller, M.F. (2015). Neural connectivity with the right and left nucleus accumbens after consuming high and low quality steaks. Poster presented at the Reciprocal Meat Conference, Lincoln NE, 2015.

+O'Bryan, S.R., & Davis, T. (2015). Leveraging Object Selectivity to Model the Role of Learned Selective Attention in Base-rate Neglect. Poster presented at annual meeting of the Cognitive Neuroscience Society, San Francisco, California, 2015.

+Paniukov, D., & Davis, T. (2015). Tracking the Locus of Learned Selective Attention During Rule Learning with Multi-voxel Pattern Analysis. Poster presented at annual meeting of the Cognitive Neuroscience Society, San Francisco, California, 2015.

+Kelley, T, +England, B, Serra, M, *Sari-Sarraf, N, and Davis, T. (2015). Neural Substrates of Retrospective and Prospective Confidence Judgments in Probabilistic Categorization. Poster presented at annual meeting of the Cognitive Neuroscience Society, San Francisco, California, 2015.

+O'Bryan, S.R., & Davis, T. (2014). Base-rate modulates activation in object selective cortex during cue learning. Poster presented at Armadillo 2014 (Southwest Cognition), Norman, Oklahoma, 2014.

+Kelley, T, Serra, M, +England, B, and Davis, T. (2014). Prefrontal correlates of metacognition in retrospective and prospective judgments. Poster presented at Armadillo 2014 (Southwest Cognition), Norman, Oklahoma, 2014.

*Giron, J., Goldwater, M.B., & Davis. (2014). Graded structure in feature-based and same-different categorization. Poster presented at Armadillo 2014 (Southwest Cognition), Norman, Oklahoma, 2014.

Davis, T., $^{+}$England, B., and Serra, M. (2014). Uncertainty Signals in the Ventral Striatum May Reflect Post-decisional Evaluation. Poster presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA, 2014.

Davis, T., Hughes, B.L., and Beer, J.S. (2014). How Positivity Bias Reflects the Structure of Self Concepts. Poster presented at the Annual Meeting of the Association for Psychological Science, San Francisco, CA, 2014.

Davis, T., LaRocque, K. F., Mumford, J., Norman, K. A., Wagner, A. D., & Poldrack, R. A. (2014). What do differences between multi-voxel and univariate analysis mean? How subject-, voxel-, and trial-level variance impact fMRI analysis. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, Boston, MA, 2014.

Mumford, J.A., & Davis, T. (2013). Biases when using single trial activation estimates in respresentational similarity analyses. Poster presented at the Annual Meeting of the Organization for Human Brain Mapping, Seattle, 2013.

Gregory, B., Congdon, E., Davis, T., Freimer, N.B., & Poldrack, R.A. (2012). Dopamine and flexible learning: An association between spontaneous eyeblink rate and reversal learning task performance. Poster presented at the Annual Meeting of the Society for Neuroscience, New Orleans, 2012.

Davis, T., Xue, G., Love, B.C., Preston, A.R., & Poldrack, R.A. (2012). Pattern similarity in medial temporal lobes predicts memory strength in categorization and recognition memory tasks. Oral presentation delivered at the Annual Meeting of the Society for Neuroscience, New Orleans, 2012.

Davis, T., & Poldrack, R.A. (2012). Pattern Similarity in Parahippocampal Cortex Predicts Perceptions of Graded Structure. Oral presentation delivered at the Annual Meeting of the Cognitive Neuroscience Society, Chicago, Illinois, 2012.

Davis, T., *Tschumy, T., Principe, C., & Love, B.C. (2012). Dissociating Processing Fluency From Aesthetic Judgment: Easy to Process Doesn't Always Mean More Beautiful. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Diego, California, 2012.

*Sanders, M., Davis, T., & Love, B.C. (2011). Category Membership Shapes Perceptions of Beauty and Value for Works of Art. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, San Antonio, Texas, 2011.

Davis, T. (2010). Model-based fMRI Reveals Role of MTL in Category Learning. Oral Presentation delivered at Armadillo XX (Southwest Cognition), College Station, Texas, 2010.

Davis, T., & Love, B.C. (2010). Category Contrast Creates Contextually-dependent Changes in Attractiveness. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Las Vegas, Nevada, 2010.

Davis, T., Love, B.C., & Preston, A.R. (2009). Learning Exceptions to the Rule: High-Resolution fMRI of Hippocampal Subfield Contributions to Category Learning. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada, 2009.

Davis, T., Love, B.C., & Preston, A.R. (2009). Neurobiology of Exception Learning: Model-based predictions for interactions between medial temporal. Poster Presented at the Annual Meeting of the Society for Neuroscience, Chicago, Illinois, 2009.

Davis, T., Love, B.C., & Preston, A.R. (2009). The Neural Basis of Learning Exceptions to a Category Rule. Oral presentation delivered at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, California, 2009.

Davis, T., Love, B.C., & Maddox, W.T. (2008). Anticipatory Skin Conductance Responses in Category Learning: Decisional Uncertainty or Somatic Markers. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, California, 2008.

Davis, T., & Landau, J. (2005). Context Overrides the Memory Blocking Effect. Poster presented at the Annual Meeting of the Eastern Psychological Association, 2005.

Davis, T., & Landau, J. (2004). Warning: Do Not Plagiarize This Text! Poster presented at the Annual Meeting of The Eastern Psychological Association, 2004.

Current Professional Memberships

Fellow, Psychonomic Society (2013-)
Member, Cognitive Neuroscience Society (2012-)
Member, American Meat Science Association (2015-)

Professional Service

Reviewing Editor- Frontiers in Human Neuroscience (2015-)

Guest Consulting Editor – Journal of Mathematical Psychology special issue on Model-based Cognitive Neuroscience (2015-)

Session Chair

"Emotional and Cognitive Dynamics in Learning." Annual Meeting of the Cognitive Science Society, Washington, D.C. (2008)

"Categorization." Annual Meeting of the Psychonomic Society, Chicago, Il. (2015).

Ad Hoc Reviewing

Grants

National Science Foundation
Canada Foundation for Innovation

Journals

Acta Psychologica
American Journal of Political Science
International Journal of Obesity
Biomedical Signal Processing
Brain Research
Cerebral Cortex
Cognitive, Affective, and Behavioral Neuroscience
Cognitive Science
Cortex
Current Biology
Frontiers in Human Neuroscience
Human Brain Mapping
IBM Journal of Research and Development
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: Learning, Memory, & Cognition
Journal of Mathematical Psychology
Journal of Personality and Social Psychology
Journal of Psychophysiology
Memory & Cognition
Neuron
Neuroimage
Psychonomic Bulletin & Review
Plos One

Conferences

Annual Meeting of Cognitive Science Society
Annual Meeting of the Organization for Human Brain Mapping

Teaching Experience

Assistant Professor, Texas Tech University

Computer Modeling and Simulation (Graduate) (F2017)
Analysis of fMRI Data (Graduate) (F2014)
Advanced Correlation and Factor Analysis (Graduate) (S2015; S2016, S2017)
Cognitive Neuroscience (Undergraduate) (F2013; F2014; S2015; F2015; F2016)
Cognitive Neuroscience (Graduate) (S2014; F2015)

Graduate Teaching Assistant, University of Texas at Austin

Advanced Inferential Statistics (Graduate) (F2008)
Cross-cultural Psychology (Undergraduate) (S2005)
Experimental Design (Graduate) (S2007)
Intro to Psychology (Undergraduate) (S2009)
Psychology of Reading (Undergraduate (S2006)

Mentoring and Student Training Activities

Ph.D. Dissertation committees

2016-2017 Dmitrii Paniukov (Chair)
2015-2016 Debbie Magreehan
2014-2016 Francesca Flores
2013-2014 Benjamin England

Graduate Students Supervised

2016-Present Nadeem Dabbakeh
2016-Present Mark Lacour
2014-Present Timothy Kelley
2014-Present Sean O'Bryan
2013-2017 Dmitrii Paniukov
2014-2016 Nathan Tapp (Meat Science)
2013-2014 Benjamin England

Undergraduate Students Supervised

2015-Present Kimberly Morris
2015-Present Savana Gierstorfer
2015-Present Charish Hinson
2015-Present Bailey Brashears
2014-Present Lexus Castro
2015-2016 Carlie West
2015-2016 Ani Mangold
2015-2016 Camisha Kibble
2015-2016 Amie Faal
2013-2015 Josue Giron

High School Students Supervised

2017 Rosie Park (Clark Scholars)
2015 Jia Kim (Clark Scholars)

2014 Christopher Casas (as part of a research project at Nixon-Smiley Highschool)

References

Bradley Love (Ph.D Supervisor)
University College London
Room 235
26 Bedford Way
London
WC1H 0AP
bradley.c.love@gmail.com
Phone: 020 7679 1515

Russell Poldrack (Post Doctoral Supervisor)
Stanford University
314 Jordan Hall
450 Serra Mall, Building 420
Stanford, California 94305
poldrack@stanford.edu
Phone: (650) 497-8488

Alison Preston (Ph.D. Co-supervisor)
The University of Texas at Austin
Department of Psychology, College of Liberal Arts
1 University Station A8000
Austin, TX 78712
apreston@utexas.edu
Phone: (512) 475-7255