

**TEXAS STATE VITA****I. Academic/Professional Background**

A. Name: Rebecca Gwynne Deason Title: Associate Professor

**B. Educational Background**

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
PhD	2008	University of Minnesota	Cognitive and Biological Psychology Minor: Neuroscience	Masked antipriming: A behavioral and event-related potential examination of short-term antipriming effects
BA	1999	Carleton College	Psychology, Minor: Cognitive Science	Category-specific loss: An examination of semantic memory theories

**C. University Experience**

2019- Associate Professor, Department of Psychology, Texas State University, San Marcos, TX

2013-2019 Assistant Professor, Department of Psychology, Texas State University, San Marcos, TX

2010-2013 Instructor in Neurology, Boston University School of Medicine, Boston, MA

2011-2013 Health Science Specialist, VA Boston Healthcare System, Boston, MA

2008-2010 Postdoctoral Fellow in Cognitive Neuroscience, Center for Translational Cognitive Neuroscience, GRECC, Edith Nourse Rogers Memorial Veterans Hospital, Bedford, MA, and Boston University Alzheimer's Disease Center, Boston University School of Medicine, Boston, MA

**D. Relevant Professional Experience**

1999-2002 Software Engineer, Navitaire, Minneapolis, MN

**II. TEACHING****A. Teaching Honors and Awards:**

2019 Named Favorite Professor by Alpha Chi Honor Society

2017 Presidential Distinction Award

2017 College of Liberal Arts Golden Apple Award

2016 Named Favorite Professor by Alpha Chi Honor Society

2015 Named Favorite Professor by Alpha Chi Honor Society

2014 Named Favorite Professor by Alpha Chi Honor Society

2013 Invited to Alpha Delta Pi Scholarship Banquet as a "Favorite Professor"

## B. Courses Taught:

Texas State University

Psychology 5373: Human Memory and Memory Disorders  
 Psychology 5360K: Human Memory and Memory Disorders  
 Psychology 4342: Learning and Memory  
 Psychology 3341: Cognitive Processes  
 Psychology 4395: Independent study  
 Psychology 5399: Thesis

Other Universities

Fall 2012 Co-Director, Cognitive Neuroscience of Memory and Perception,  
 Graduate Course in Behavioral Neuroscience Program, Boston  
 University School of Medicine

## C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

## Thesis Chair for Masters of Psychological Research, Texas State University

2019- Kristen Hardin-Sigler  
 2018- Alyse Whitney Finch  
 2018- Mark Stern  
 2015-2017 Katelyn Stephenson, *Effects of attention on subsequent preference judgments in young adults and healthy older adults*  
 2015-2017 Katherine Mooney, *Music as a memory enhancer in healthy young adults: An event-related potential investigation*  
 2013-2016 Andrew Santana, *Music and memory: An ERP examination of the use of music as a mnemonic device*

## Thesis Committee for Masters of Psychological Research, Texas State University

2018- Russell Ryan Baker  
 2018- Anna Madden-Rusnak  
 2018- Aspen Madrid  
 2018- Courtney Wilson  
 2016-2018 Sean Fickle, *Sleep facilitates analogical transfer in problem solving*  
 2016-2018 Miguel Capote, *Individual, occupational, and health factors that contribute to absenteeism of teachers in Texas public schools*  
 2015-2017 Samantha White, *Associative priming and implicit bias towards African Americans*  
 2015-2017 Ruben Vela, *Assessing fatigue and mental workload during prolonged reading on LCD and E-ink displays*  
 2013-2016 Christopher Hawkins, *The selective consolidation of declarative memories*

## Thesis Committee for Masters in Dementia and Aging Studies, Texas State University

2018- Teresa Vannoy, *BRFSS 2015-2016: Exploring the Burden of Caring for Others*

## Thesis Committee for Masters in Health &amp; Human Performance, Texas State University

2018- Michael Kuo

Thesis Advisor for Masters of Medical Science, Boston University School of Medicine

2012-13 Traci Aoki, *Evaluation of the Alzheimer's Association Dementia Care Coordination Project*

2010-11 Jermie Gandhi, *The use of flexible errorless learning to increase gist-based memory in patients with Alzheimer's disease*

Committee for College of Biological Sciences Honors Thesis, University of Minnesota

2010 Rebecca Kruc, *A direct comparison of repetition priming and the mere exposure effect using pictorial stimuli*

#### D. Courses Prepared and Curriculum Development:

Courses Prepared:

PSY 5373/5360K: Human Memory and Memory Disorders, Texas State University

PSY 3341: Cognitive Processes, Texas State University

Cognitive Neuroscience of Memory and Perception, Perception sections, Boston University School of Medicine

Curriculum Development:

PSY 5373/5360K: Human Memory and Memory Disorders, Texas State University

#### F. Other:

Guest Lecture:

Spring 2016 HON 3397 Psychology in Film (Instructor: Ceballos).

Honors Contract Course (PSY 3341):

Spring 2016 Added additional writing assignment for honors student, John Treffalls

Laboratory Research Assistant Supervision:

2019-2020

Graduate Students: Alyse Finch, Mark Stern, Kristen Sigler; Undergraduate students: Cassandra Ruiz, Amanda Horgan, Karla Reyes Fierros, Laura Gamboa, Kara Broussard, Katherine Crook, Miranda Finken, Abigail Gore, Daniel Reinhuber, Kaitlyn Fleming, Brianda Ramirez

2018-2019

Graduate Students: Alyse Finch, Mark Stern, Ty Cervantes; Undergraduate students: Aaliyah Fritz, Cassandra Ruiz, Stephanie Carsten, Madiha Ali, Lindsey Hall, Amanda Horgan, Mallonie Zhivotovskaya, Elizabeth Hammerle, Allison Pequet, Karla Reyes Fierros, Laura Gamboa, Kara Broussard, Miranda Finken, Katherine Crook

2017-2018

Graduate Students: Miguel Capote; Undergraduate students: Juliana Guerrero, Ty Cervantes, Alonzo Secrett, Megan Heath, Aaliyah Fritz, Audrey Eberhardt, Cassandra Ruiz, Jordan Mazik, Solange Troncozo-Buenano, Stephanie Carsten, Kayci Wheeler, Karina Hano, Kat Brinkley, Madiha Ali, Lindsey Hall, Amanda Horgan, Lauren Sheridan, Mallonie Zhivotovskaya

2016-2017

Graduate Students: Katelyn Stephenson, Katherine Mooney, Miguel Capote; Undergraduate students: Shane Sullivan, Caitlin Martinez, Juliana Guerrero, Blanca Zamarron-Torres, Kamari Smalls, Leif Montgomery, Emily Arzola, David Hernandez, Ty Cervantes, Crystal Lemchi, Alonzo Secrett, Megan Heath, Aaliyah Fritz

2015-2016

Graduate students: Andrew Santana, Christopher Hawkins, Katelyn Stephenson, Katherine Mooney; Undergraduate students: Daniel Riley, Kelly Stewart, Avery Ferguson, Caitlin Martinez, Juliana Guerrero, Shane Sullivan

2014-2015

Graduate students: Andrew Santana, Christopher Hawkins; Undergraduate students: Katelyn Stephenson, Ruben Vela, Amber Watson, Amanda Moore, Leigha Millsap, Daniela Mercado, Daniel Riley, Angela Johnson, Kelly Stewart

2013-2014

Graduate students: Andrew Santana, Christopher Hawkins; Undergraduate students: Katelyn Stephenson, Caitlin Dougherty, Katherine Mejia, Amanda Silva, John Treffalls, Ruben Vela, Erica Feinman, Amber Watson, Gregory Caparis

## Teaching Assistant Experience:

- Spring 2008 Teaching Assistant, Psychology 4994: Psychology Honors Research Practicum, University of Minnesota, Instructor: Dr. Randy Fletcher
- Spring 2008 Teaching Assistant, Psychology 3051: Introduction to Cognitive Psychology, University of Minnesota, Instructor: Amy Kurivchack
- Fall 2007 Teaching Assistant, Psychology 5062: Cognitive Neuropsychology (graduate level), University of Minnesota, Instructor: Dr. Sheng He
- Spring 2007 Teaching Assistant, Psychology 3061: Introduction to Biological Psychology, University of Minnesota, Instructor: Dr. Mark Thomas
- Fall 2006 Teaching Assistant, Psychology 5031: Human Machine Interaction (graduate level), University of Minnesota, Instructor: Dr. Paul Beckmann
- Fall 2006 Teaching Assistant, Psychology 5062: Cognitive Neuropsychology (graduate level), University of Minnesota, Instructor: Dr. Sheng He
- Spring 2006 Teaching Assistant, Psychology 3061: Introduction to Biological Psychology, University of Minnesota, Instructor: Dr. Mark Thomas
- Fall 2005 Teaching Assistant, Psychology 5062: Cognitive Neuropsychology (graduate level), University of Minnesota, Instructor: Dr. Sheng He
- Fall 2005 Teaching Assistant, Psychology/Neuroscience 5051W: Perception (graduate level), University of Minnesota, Instructor: Dr. Gordon Legge

## G. Teaching Professional Development Activities Attended

2013-2014 Completed Program in Excellence in Teaching and Learning

**III. SCHOLARLY/CREATIVE**

## A. Works in Print (including works accepted, forthcoming, in press):

## 1. Books:

## d. Chapters in Books:

**Deason, R. G.** & Marsolek, C. J. (2012). Neural Correlates of Repetition Priming: An Examination of the Convergence of fMRI and ERP Effects. In N. Hsu & Z. Schutt (eds.), *Psychology of Priming*. New York: Nova Science Publishers, Inc.

## 2. Articles:

## a. Refereed Journal Articles:

Turk, K. T., Palumbo, R., **Deason, R. G.**, El Shaar, A., Gosselin, E., O'Connor, M. K., Tripodis, Y., & Budson, A. E. (In Press). False memories: The other side of forgetting. *Journal of International Neuropsychological Society*. (IF 3.098)

**Deason, R. G.**, Strong, J. V., Tat, M. J., Simmons-Stern, N., & Budson, A. E. (2019). Explicit and implicit memory for music in healthy older adults and patients with Alzheimer's disease. *Journal of Clinical and Experimental Neuropsychology*, *41*, 158-169. (IF 1.994)

Malone, C., **Deason, R. G.**, Palumbo, R., Heyworth, N., Tat, M. J., & Budson, A. E. (2019). False memory in patients with mild cognitive impairment and Alzheimer's disease: Can cognitive strategies help? *Journal of Clinical and Experimental Neuropsychology*, *41*, 204-218. (IF 1.994)

Turk, K. W., El-Shaar, A., **Deason, R. G.**, Heyworth, N., Flannery, S., Frustace, B., Nagle, C., Zumwalt, A., & Budson, A. E. (2018). Late positive component event-related potential amplitude predicts long-term classroom-based learning. *Journal of Cognitive Neuroscience*, *30*, 1323-1329. (IF 3.468)

**Deason, R. G.**, Nadkarni, N., Tat, M. J., Flannery, S., Frustace, B., Ally, B. A., & Budson, A. E. (2017). Use of metacognitive strategies to decrease false memories in source monitoring in patients with mild cognitive impairment. *Cortex*, *91*, 287-296. (IF = 4.970)

**Deason, R. G.**, Tat, M. J., Flannery, S., Mithal, P. S., Hussey, E. P., Crehan, E. T., Ally, B. A., & Budson, A. E. (2017). Response bias and response monitoring: Evidence from healthy older adults and patients with mild Alzheimer's disease. *Brain and Cognition*, *119*, 17-24. (IF = 2.864)

Tat, M. J., Soonsawat, A., Nagle, C. B., **Deason, R. G.**, O'Connor, M. K., & Budson, A. E. (2016). The influence of strategic encoding on false memory in patients with mild cognitive impairment and Alzheimer's disease dementia. *Brain and Cognition*, *109*, 50-58. (IF = 2.864)

Rosa, N. M., **Deason, R. G.**, Budson, A. E., & Gutchess, A. H. (2016). Source memory for self and other in patients with mild cognitive impairment due to Alzheimer's disease. *Journal of Gerontology Psychological Sciences*, *71*, 59-65. (IF = 3.488)

**Deason, R. G.**, Hussey, E. P., Flannery, S., & Ally, B. A. (2015). Using conceptual implicit memory to understand the picture superiority effect in patients with Alzheimer's disease. *Brain & Cognition*, *99*, 112-117. (IF = 3.019)

O'Connor, M. K., **Deason, R. G.**, Reynolds, E. W., Flannery, S., Vassey, E., Solomon, P., & Budson, A. E. (2015). The imagination inflation effect in older adults with and without Alzheimer's disease. *Neuropsychology*, *29*, 550-60. (IF = 3.682)

Rosa, N. M., **Deason, R. G.**, Budson, A. E., & Gutchess, A. H. (2015). Self-referencing and false memory in mild cognitive impairment due to Alzheimer's disease. *Neuropsychology*, *29*, 799-805. (IF = 3.682)

McMenamin, B. W., **Deason, R. G.**, Steele, V. R., Koutstaal, W., & Marsolek, C. J. (2015). Separability of abstract-category and specific exemplar visual object subsystems: Evidence from fMRI pattern analysis. *Brain and Cognition*, *93*, 54-63. (IF = 3.019)

Sun, X., Salat, D., Upchurch, K., **Deason, R. G.**, Kowall, N., & Budson, A. E. (2014). Destruction of white matter integrity in patients with mild cognitive impairment and Alzheimer's disease. *Journal of Investigative Medicine*, *62*, 927-33. (IF = 1.746)

Marsolek, C. J., DeYoung, C., Domansky, S. D., & **Deason, R. G.** (2013). Hemispheric asymmetries in motivation neurally dissociate self-description processes. *Emotion*, *13*, 462-467. (IF = 4.402)

**Deason, R. G.**, Simmons-Stern, N. R., Frustace, B. S., Ally, B. A., & Budson, A. E. (2012). Music as a memory enhancer: differences between healthy older adults and patients with Alzheimer's disease. *Psychomusicology: Music, Mind, and Brain*, *22*, 175-179.

**Deason, R. G.**, Hussey, E. P., Budson, A. E., & Ally, B. A. (2012). Gist-based conceptual processing of pictures remains intact in patients with amnesic mild cognitive impairment. *Neuropsychology*, *26*, 202-208. (IF = 3.579)

**Deason, R. G.**, Hussey, E. P., Ally, B. A., & Budson, A. E. (2012). Changes in response bias with different study-test delays: Evidence from young adults, older adults, and patients with Alzheimer's disease. *Neuropsychology*, *26*, 119-126. (IF = 3.579)

Simmons-Stern, N. R., **Deason, R. G.**, Brandler, B. J., Frustace, B. S., O'Connor, M. K., Ally, B. A., Budson, A. E. (2012). Music-based memory enhancement in Alzheimer's disease: Promise and limitations. *Neuropsychologia*, *50*, 3295-3303. (IF = 3.477)

Dodson, C. S., Spaniol, M., O'Connor, M. K., **Deason, R. G.**, Ally, B. A., & Budson, A. E. (2011). Alzheimer's disease and memory-monitoring impairment: Alzheimer's patients show a monitoring deficit that is greater than their accuracy deficit. *Neuropsychologia*, *49*, 2609-18. (IF = 3.636)

Marsolek, C. J., **Deason, R. G.**, Ketz, N. A., Ramanathan, P., Bernat, E. M., Steele, V. R., Patrick, C. J., Verfaellie, M., & Schnyer, D. M. (2010). Identifying objects impairs knowledge of other objects: a relearning explanation for the neural repetition effect. *NeuroImage*, 49, 1919-1932. (IF = 5.932)

Marsolek, C. J., Schnyer, D. M., **Deason, R. G.**, Ritchey, M, & Verfaellie, M. (2006). Visual antipriming: Evidence for ongoing adjustments of superimposed visual object representations. *Cognitive, Affective, and Behavioral Neuroscience*, 6, 163-174. (IF = 3.132)

**Deason, R. G.**, & Marsolek, C. J. (2005). A critical boundary to the left-hemisphere advantage in visual word processing. *Brain and Language*, 92, 251-261. (IF = 2.64)

**Deason, R. G.**, Andresen, D. R., & Marsolek, C. J. (2005). Causal relations between asymmetries at the individual level? *Behavioral and Brain Sciences*, 28, 596-597. (IF = 9.88)

b. Non-refereed Articles:

Invited Commentary:

Marsolek, C. J. & **Deason, R. G.** (2007). Hemispheric asymmetries in visual word-form processing: Progress, conflict, and evaluating theories. *Brain and Language*, 103, 304-307. (IF = 2.64)

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Conference Presentations (\* = Texas State undergraduate; \*\* Texas State MAPR students):

Finch, A.\*\*, Stern, M. J.\*\*, & **Deason, R. G.** (2019, October). Music enhances source memory and confidence for novel verbal information. Presented at the Southwestern Cognition and Cognitive Neuroscience (ARMADILLO) conference, San Antonio, TX.

Finch, A.\*\*, Stern, M. J.\*\*, & **Deason, R. G.** (2019, May). Enhanced memory and confidence for musical stimuli. Presented at the annual meeting of the Association for Psychological Science, Washington, DC.

Stern, M. J.\*\*, Finch, A.\*\*, & **Deason, R. G.** (2019, May). Can musical mnemonics enhance source memory? Presented at the annual meeting of the Association for Psychological Science, Washington, DC.

Howard, K, Haskard-Zolnierek, K., **Deason, R. G.**, & Wilson, C. (Spring 2019). Does brain fog relate to poor medication adherence for individuals with hypothyroidism. Presented at the 2019 Texas State University Health Scholar Showcase.

Stephenson, K.\*\*, Guerrero, J.\*, & **Deason, R. G.** (2018, May). Attentional modulation of preference judgments in young adults and healthy older adults. Presented at the 2018 Cognitive Aging Conference, Atlanta, GA.

**Deason, R. G.**, Strong, J., Tat, M., Simmons-Stern, N. R., & Budson, A. E. (2017, October). Implicit and explicit memory for music in healthy older adults and patients with Alzheimer's disease. Presented at the annual meeting of the Southwest Association for Research in Memory, Attention, Decision making, Intelligence, Language, Learning, and Organization (ARMADILLO), College Station, TX.

Stephenson, K.\*\*, Arzola, E.\*, Guerrero, J.\*, & **Deason, R. G.** (2017, May). Attention modulates preference for words. Presented at the annual meeting of the Association of Psychological Science, Boston, MA.

Mooney, K.\*\*, Santana, A.\*\*, & **Deason, R. G.** (2017, May). Music as a Memory Enhancer for General Content Information: An ERP study. Presented at the annual meeting of the Association of Psychological Science, Boston, MA.

Stephenson, K.\*\* & **Deason, R.G.** (2017, April). Effects of attention on subsequent preference judgments. Presented at the annual meeting of the Southwestern Psychological Association, San Antonio, TX.

**Deason, R. G.**, Pan, X., & Johnson, C. J. (Spring 2017). Dementia and Aging Research. Texas State University Health Scholar Showcase.

Mooney, K.\*\*, Santana, A.\*\*, & **Deason, R. G.** (2016, November). Music as a Memory Enhancer for General Content Information. Presented at the annual meeting of the Psychonomic Society, Boston, MA.

Strong, J. V., Tat, M. J., Flannery, S., **Deason, R. G.**, & Budson, A. E. (2016, November). Recollection and familiarity for music in patients with Alzheimer's disease. Presented at the annual meeting of the Psychonomic Society, Boston, MA.

Stephenson, K.\*\* & **Deason, R. G.** (Fall 2016). An Examination of the Mere Exposure Effect in Relation to the Distractor Devaluation Effect. Eighth International Research Conference, Texas State University. San Marcos, TX.

Mooney, K.\*\*, Santana, A.\*\*, & **Deason, R. G.** (Fall 2016). Music as a memory enhancer for general content information. Eighth International Research Conference, Texas State University. San Marcos, TX.

Quiroz, Y. T., Tobon, C., Munoz, C., **Deason, R. G.**, McKeever, J., Velilla, G., Arboleda-Velasquez, J., Lopera, F., & Budson, A. E. (2016, September). Neural correlates of recognition memory in preclinical young-onset dementia. Proceedings of the 18th World Congress of Psychophysiology (IOP2016) of the International Organization of Psychophysiology (IOP) Havana, Cuba. *International Journal of Psychophysiology*, 108, pg. 51.

Nagle, C., Tat, M., Wang, C., Frustace, B., El-Shaar, A., **Deason, R. G.**, Wang, E., Flannery, S., Zumwalt, A., Budson, A. E. (2016, April). Using Event-Related Potentials as a



Neurophysiological Marker to Predict Long-term Learning. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 28, (Suppl.).

Clark, E. L., **Deason, R. G.**, Daley, R. T., Tat, M. J., Nagle, C., Budson, A. E., & O'Connor, M. K. (2016, February). Using a Mindfulness Approach to Reduce the Imagination Inflation Effect in Older Adults. Presented at the Annual Meeting, International Neuropsychological Society. Boston, MA.

Stephenson, K.\*\*, Mooney, K. \*\*, Santana, A. \*\*, & **Deason, R. G.** (2015, October). Event-related potential examination of the mere exposure effect. Presented at the Annual Meeting, Association for Research in Memory, Attention, Decision making, Intelligence, Language, Learning, and Organization (ARMADILLO). Waco, TX.

Tat, M. J., Soonsawat, A., Nagle, C. B., **Deason, R. G.**, & Budson, A. E. (2015, November). The influence of encoding strategies on false memory in older adults, patients with mild cognitive impairment due to Alzheimer's disease, and patients with mild Alzheimer's disease dementia. Presented at the Annual Meeting of the Psychonomic Society, Chicago, IL.

Stephenson, K.\*\*, Mooney, K. \*\*, Santana, A. \*\*, & **Deason, R. G.** (Fall 2015). Event-related potential examination of the mere exposure effect. Seventh International Research Conference, Texas State University. San Marcos, TX.

Nagle, C., Tat, M., Frustace, B., **Deason, R. G.**, El-Shaar, A., Iyer, A., Ghermichael, A., Wang, E., Flannery, S., Budson, A. E., Zumwalt, A. (2015, March). Physiological correlates of memory in classroom environment. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 27, (Suppl.).

Tat, M. J., **Deason, R. G.**, Flannery, S., Gosselin, E., & Budson, A. E. (2014, November). Using memory strength to shift response bias in patients with mild cognitive impairment and mild Alzheimer's disease. Presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA.

Budson, A. E., **Deason, R. G.**, Flannery, S., Mithal, P. S., Hussey, E. P., Crehan, E. T., & Ally, B. A. (2014, July). Changes in response bias: Evidence from older adults and patients with Alzheimer's disease. Presented at the Alzheimer's Association International Conference, Copenhagen, Denmark.

Kleber, K. T., **Deason, R. G.**, O'Connor, M. K., Sun, X., Flannery, S., Tat, M. J., & Budson, A. E. (2014, April). Use of Explicit Memory Cues in Patients with aMCI. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA. *Journal of Cognitive Neuroscience*, 26, (Suppl.).

Flannery, S., **Deason, R. G.**, Mithal, P. S., Hussey, E. P., Crehan, E. T., Ally, B. A., & Budson, A. E. (2014, April). Changes in response bias: Evidence from older adults and patients with Alzheimer's disease. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA. *Journal of Cognitive Neuroscience*, 26, (Suppl.).

Nadkarni, N., Flannery, S., **Deason, R. G.**, Frustace, B., Ahadi, S., Ally, B. A., & Budson, A. E. (2014, April). Recall-to-reject: Strategies to reduce false recognition in patients with mild cognitive impairment. Presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA. *Journal of Cognitive Neuroscience*, 26, (Suppl.).

Rosa, N. M., **Deason, R. G.**, Budson, A. E., & Gutchess, A. H. (2014, May). Memory for source in patients with mild cognitive impairment. Talk presented at the Cognitive Aging Annual Conference, Atlanta, GA.

Rosa, N. M., **Deason, R. G.**, Budson, A. E., & Gutchess, A. H. (2014, March). Source Memory and Self-Reference in Mild Cognitive Impairment due to Alzheimer's Disease. Presented at the Eastern Psychological Association Annual Meeting, Boston, MA.

Stark, A., Gosselin, E., Aoki, T., **Deason, R. G.**, Flannery, S., O'Connor, M. K., Patterson, J., McGurin, Kowlett, Wessler, & Budson, A. E. (2014, February). Alzheimer Association Dementia Care Coordination Project. Presented at the Massachusetts Alzheimer's Disease Center Annual Scientific Poster Symposium, Boston, MA.

Rosa, N. M., **Deason, R. G.**, Budson, A. E., & Gutchess, A. H. (2013, December). Memory for self and other in Alzheimer's disease. Presented at the Charles River Association for Memory Fall Meeting, Cambridge, MA.

Flannery, S., Nadkarni, N., **Deason, R. G.**, Frustace, B., Ahadi, S., Ally, B. A., & Budson, A. E. (2013, May). Recall-to-reject: Strategies to reduce false recognition in patients with mild cognitive impairment. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Kleber, K. T., **Deason, R. G.**, O'Connor, M. K., Sun, X., Flannery, S., & Budson, A. E. (2013, May). Use of Explicit Memory Cues in Patients with aMCI. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Kelkar, K., Ignatiev, J. H., **Deason, R. G.**, Flannery, S., Fidai, M., Rosenblatt, A., Frustace, B. S., Simmons-Stern, N. R., Budson, A. E. (2013, May). Dissociating contributions of recollection and familiarity to memory for music: Evidence from older adults and patients with AD. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Rosa, N. M., Budson, A. E., **Deason, R. G.**, & Gutchess, A. H. (2013, March). Memory for self and other in Alzheimer's disease. Presented at the Annual Aging and Cognition Conference, Dallas, TX.

Waring, J. D., Zucker, H., **Deason, R. G.**, Flannery, S., Budson, A. E., & Kensinger, E. A. (2012, November). The effects of mild cognitive impairment on emotional scene memory. Presented at the Annual Meeting of the Society for Neuroscience, New Orleans, LA.

Broadwell, K. L., DeYoung, C. G., Domansky, W. S., **Deason, R. G.**, & Marsolek, C. J. (2012, November). Hemispheric asymmetries in motivation neurally dissociate self-description processes. Presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.

**Deason, R. G.**, Simmons-Stern, N. R., Frustace, B. S., Ally, B. A., & Budson, A. E. (2012, May). Music as a memory enhancer: differences between healthy older adults and patients with Alzheimer's disease. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Kelkar, K., Ignatiev, J. H., **Deason, R. G.**, Fidai, M., Rosenblatt, A., Frustace, B. S., Simmons-Stern, N. R., Budson, A. E. (2012, May). Dissociating contributions of recollection and familiarity to memory for music: Evidence from older adults, patients with MCI, and patients with AD. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Hussey, E. P., Ko, P. C., Duda, B., Simmons-Stern, N. R., **Deason, R. G.**, & Ally, B. A. (2012, April). The role of perceptual and conceptual priming in object identification in Alzheimer's disease. Presented at the Cognitive Neuroscience Society Annual Meeting, Chicago, IL. *Journal of Cognitive Neuroscience*, 24, (Suppl.).

Reynolds, E., O'Connor, M.K, **Deason, R.G.**, Budson, A.E. (2012, February). Imagining is believing: The imagination inflation effect in adults with Alzheimer's disease. Presented at the annual meeting of the International Neuropsychological Society, Montreal, CA.

Simmons-Stern, N. R., **Deason, R. G.**, Budson, A. E., & Ally, B. A. (2011, June). Music as a memory enhancer in patients with Alzheimer's disease and healthy older adults. Presented at the Neurosciences and Music IV – Learning and Memory conference, Edinburgh, Scotland.

Flannery, S., Crehan, E., **Deason, R. G.**, Ally, B. A., & Budson, A. E. (2011, February). Impaired Response Shift: using interruptions and event-related potentials to study liberal response bias in Alzheimer's disease. Presented at the annual meeting of the International Neuropsychological Society, Boston, MA.

**Deason, R. G.**, Crehan, E., Flannery, S., Hussey, E., Ally, B. A., & Budson, A. E. (2011, February). Shifting Response Bias and Alzheimer's Disease: The Role of Self-Monitoring on Memory Tests. Presented at the annual meeting of the International Neuropsychological Society, Boston, MA.

Ahadi, S., **Deason, R. G.**, & Budson, A. E. (2010, May). The importance and implications of false memories in Alzheimer's disease. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Flannery, S., Crehan, E., **Deason, R. G.**, Ally, B. A., Budson, A. E. (2010, May). Impaired response shift: using feedback and monitoring to study liberal response bias in Alzheimer's disease. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Crehan, E. R., Flannery, S., Hussey, E., **Deason, R. G.**, Ally, B. A., Budson, A. E. (2010, May). Shifting response bias and Alzheimer's disease: the role of self-monitoring on memory tests. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

**Deason, R. G.**, Hussey, E., Ally, B. A., Budson, A. E. (2010, April). Dissociating recollection and familiarity with response bias: Evidence from young adults, older adults, and patients with

Alzheimer's disease. Presented at the Cognitive Neuroscience Society Annual Meeting, Montreal, CA. *Journal of Cognitive Neuroscience*, 22 (Suppl.).

**Deason, R. G.** & Marsolek, C. J. (2009, November). Short-term masked antipriming between visually similar objects. Presented at the annual Psychonomic preconference: Object Perception and Memory (OPAM), Boston, MA.

McMenamin, B.W., **Deason, R. G.**, Steele, V. R., Koutstaal, W. & Marsolek, C. J. (2009, October). Different neural coding for dissociable abstract-category and specific-exemplar object priming evidenced by fMRI analysis. Presented at the Society for Neuroscience Annual Meeting, Chicago, IL. *2009 Abstract Viewer/Itinerary Planner*. Chicago, IL: Society for Neuroscience, 2009.

**Deason, R. G.**, Ally, B. A., & Budson, A. E. (2009, May). Errorless learning of new flexible knowledge in patients with Alzheimer's disease. Presented at the annual meeting of the Massachusetts Neuropsychological Society, Boston, MA.

Steele, V. R., **Deason, R. G.**, Bernat, E. M., Patrick, C. J., Schnyer, D. M., & Marsolek, C. J. (2008, October). Early and late effects in event-related potentials differentiate visual object priming and antipriming. Presented at the Society for Psychophysiological Research Annual Meeting, Austin, TX.

**Deason, R. G.**, Steele, V. R., Marsolek, C. J., & Koutstaal, W. (2008, May). fMRI repetition-related increases in parietal regions: Item-specific and semantic category effects. Presented at the Association for Psychological Science Annual Convention, Chicago, IL.

**Deason, R. G.**, Steele, V. R., Bernat, E. M., Patrick, C. J., & Marsolek, C. J. (2007, June). Event-related potentials reveal differential timing of repetition-priming and anti-priming effects. Presented at the Organization for Human Brain Mapping Annual Meeting, Chicago, IL.

Marsolek, C. J., Ketz, N. A., Ramanathan, P., **Deason, R. G.**, Davis, S., Verfaellie, M., & Schnyer, D. M. (2007, June). Neural priming effects in fMRI: Integrated fMRI and neurocomputational evidence for what may be reflected. Presented at the Organization for Human Brain Mapping Annual Meeting, Chicago, IL.

Ramanathan, P., Ketz, N. A., **Deason, R. G.**, Westerberg, C. E., & Marsolek, C. J. (2007, April). Visual antipriming and priming predicted by neurally plausible models of object identification. Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 19 (Suppl.).

**Deason, R. G.**, Steele, V. R., Bernat, E. M., Patrick, C. J., & Marsolek, C. J. (2006, April). Event-related potentials reveal differential timing of repetition-priming and anti-priming effects. Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 18 (Suppl.).

Marsolek, C. J., Schnyer, D. M., **Deason, R. G.**, Ritchey, M. & Verfaellie, M. (2005, November). *Visual anti-priming: Neurocomputational models and brain bases*. Presented at the Society for Neuroscience Annual Meeting, Washington, DC. *2005 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2005.

**Deason, R. G.,** & Marsolek, C. J. (2005, April). *Word-to-object anti-priming: Are visual word and visual object representations functionally superimposed?* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17 (Suppl.).

Schnyer, D. M., Nicholls, L. D., **Deason, R. G.,** Verfaellie, M., & Marsolek, C. J. (2005, April). *Visual anti-priming: Tests of amnesic patients and older controls.* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 17 (Suppl.).

Marsolek, C. J., **Deason, R. G.,** & Westerberg, C. E. (2004, November). *Visual anti-priming.* Talk presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.

**Deason, R. G.,** & Marsolek, C. J. (2004, April). *Letter-case effects in perceptual identification of lateralized words.* Presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16 (Suppl.).

**Deason, R. G.,** Westerberg, C. E., Capps, J. C., & Marsolek, C. J. (2003, November). *Anti-Priming of familiar objects: Does priming have a purpose?* Presented at the Annual Meeting of the Psychonomic Society, Vancouver, BC.

**Deason, R. G.,** Westerberg, C. E., Capps, J. C., & Marsolek, C. J. (2003, April). *Visual anti-priming: Superimposed representations of objects and the nature of repetition priming.* Presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 15 (Suppl.).

## 2. Invited Talks, Lectures, and Presentations:

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| Nov 2019 | Price Center, San Marcos, TX. “Enhancing Memory through the Use of Music and Other Strategies,” talk presented as part of the Alliance of Researchers in Aging’s panel presentation, “New Strategies to Improve Aging, Memory and Sleep”   |
| Sep 2019 | Texas State University Psychology Research Brown Bag, “Memory and cognition in young adults, healthy older adults, and patients with Alzheimer’s disease”  |
| Feb 2019 | Texas State University Psychology Research Brown Bag, “Music as a Memory Enhancer”   |
| Nov 2018 | Annual Meeting of the Gerontological Society of America, Talk presented as part of proposed symposium (Music and Aging: From Bench to Intervention), “Music as a memory enhancer: Experimental evidence from healthy older adults and patients with Alzheimer’s disease”   |
| Aug 2018 | 2018 Geriatric Symposium – Texas Taking the Next Step, “Memory and Cognition in Aging and Alzheimer’s disease”   |
| 2016     | Annual Meeting of the Association for Research in Memory, Attention, Decision making, Intelligence, Language, Learning, and Organization (ARMADILLO), El Paso, TX, “Using metacognitive strategies to improve source monitoring and decrease false memories in patients with mild cognitive impairment due to Alzheimer’s disease” |

- 2016 Texas State University Psychology Research Brown Bag, “Response bias in patients with Alzheimer’s disease”
- 2014 Texas State University Psychology Research Brown Bag, “Memory in patients with Alzheimer’s disease and mild cognitive impairment”
- 2013 Boston University Alzheimer’s Disease Center, Boston, MA, “Understanding and Improving Memory in Patients with Alzheimer’s Disease”
- 2008 Center for Translational Cognitive Neuroscience, GRECC, Edith Nourse Rogers Memorial Veterans Hospital, Bedford, MA, “Identifying objects impairs knowledge of other objects”
- 2008 Athinoula A. Martinos Center for Biomedical Imaging, Charlestown, MA, “Identifying objects impairs knowledge of other objects”
- 2007 Hands-On fMRI Training Course, Center for Magnetic Resonance Research, Department of Radiology, University of Minnesota, “SPM Basics Workshop”

#### 5. Other Works not in Print:

##### a. Works "submitted" or "under review":

Westerberg, C. E., Wofford, N., Menssor, S., Reininger, B. P., & **Deason, R. G.** (Submitted). Face category influences post-encoding processes applied to face memories.

Howard, K., Snyder, M., **Deason, R. G.**, Haskard-Zolnieriek, K., & Howard, J. T. (Submitted). The utility of the central sensitization inventory as a pre-screener for assessing cognitive deficits and psychosocial problems in a hypothyroid population.

Ramanathan, P., **Deason, R. G.**, Westerberg, C. E., Ketz, N. A., & Marsolek, C. J. (Under Revision). Antipriming in visual object recognition and the role of visual similarity.

##### b. Works "in progress":

Finch, A.\*\*, Stern, M. J.\*\*, & **Deason, R. G.** (in prep). Music enhances source memory and confidence for novel verbal information.

**Deason, R. G.**, McKeever, J. D., Waring, J., Hussey, E. P., Budson, A. E., & Ally, B. A. (in prep). An ERP examination of changes in response bias.

Stephenson, K.\*\* & **Deason, R. G.** (in prep). Attentional modulation of preference judgments in young adults and healthy older adults.

Clark, E., **Deason, R. G.**, Palumbo, R., O’Connor, M. K., & Budson, A. E. (in prep). Imagination inflation effects and potential interventions in healthy older adults and patients with dementia.

##### c. Other Works Not in Print:

#### C. Scholarly / Creative Grants and Contracts:

## 1. Funded External Grants and Contracts:

- 2019-20 Principal Investigator. NeuroTrax, Inc. *Normative data collection for mobile screening tool for clinical and research applications*. \$53,000.
- 2010-2012 Principal Investigator. VA VISN 1 Early Career Development Award, VA New England. *New flexible learning in patients with Alzheimer's disease*. \$170,512.
- 2010-2011 Principal Investigator. Boston University Alzheimer's Disease Center Pilot Award. *New flexible learning in patients with Alzheimer's disease*. \$25,000.
- 2006 Principal Investigator. Sigma Xi Research-in-Training grant. *Visual anti-priming*. \$350.

## 2. Submitted, but not Funded, External Grants and Contracts:

- 2019 Co-Investigator (PI: Bezner; Co-Is: Haskard-Zolnierrek, Howard, Burke, Odum). *Health Coaching and Chronic Disease Management in Aging Adults: Comparison of In-Person and App-Based Coaching*. National Institutes of Health: National Institute on Aging. \$436,155.
- 2017 Principal Investigator. *Music as a memory enhancer: Examining the impact of music on neural correlates of learning and memory*. Grammy Foundation. \$20,000. (Full Application requested – less than 1/3 of original applicants are asked to submit full application)
- 2016 Principal Investigator. *Neural correlates of music as a memory enhancer*. Grammy Foundation. \$20,000.
- 2012 Principal Investigator. VA Career Development Award. *Memory for music in patients with Alzheimer's disease and mild cognitive impairment*. \$939,276.

## 3. Funded Internal Grants and Contracts:

- 2017 Mentor. Undergraduate Research Fellowship, The Honors College, Texas State University. \$1000. Student: Juliana Guerrero.
- 2016-2017 Principal Investigator. Research Enhancement Program, Texas State University. *How does music enhance memory? Electrophysiological correlates of musical mnemonics in young adults and healthy older adults*. \$8,000.
- 2016 Mentor. Thesis Research Support Fellowship, The Graduate College, Texas State University. \$2000. Student: Katherine Mooney.

2016 Mentor. Thesis Research Support Grant, Psychology Department, Texas State University. \$600. Student: Katelyn Stephenson.

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Scholarly / Creative Fellowships, Awards, Honors:

2018 College of Liberal Arts Achievement Award for Excellence in Scholarly/Creative, Texas State University

2010 Paper awarded Editor's Choice Award 2010 for NeuroImage (Cognitive Neuroscience Section) – Marsolek, Deason et al. (2010)

2007 Graduate School Thesis Research Grant, Office of the Dean of the Graduate School and Vice President for Research, University of Minnesota

2006 Graduate Research Partnership Program Fellowship, College of Liberal Arts and Office of the Dean of the Graduate School and Vice President for Research, University of Minnesota

2005 Center for Cognitive Sciences Research Grant, University of Minnesota

2003-4; 2006-7 Gloria J. Randahl Fellowship for Women in Cognitive Neuroscience, Department of Psychology, University of Minnesota

2003-2007 Gough award for Graduate Travel, Department of Psychology, University of Minnesota

2002-2005 National Research Service Award Graduate Fellowship, National Institute of Mental Health and Child Development and the Center for Cognitive Sciences, University of Minnesota

Spring 1999 Distinction on Senior Thesis, Carleton College

Spring 1999 Graduated with Distinction in Psychology, Carleton College

E. Scholarly / Creative Professional Development Activities Attended:

Attended National Institutes of Health (NIH) Grant Writer's Workshop, San Marcos, TX, Nov. 2014

F. Media Recognition:

"BU Researchers find a potential biomarker for long-lasting learning," Boston University Today, July 2018

"Possible marker found to predict long term learning," NeuroscienceNews.com, June 2018

"Music as a memory tool for patients with Alzheimer's," Boston University School of Medicine Highlights, December 2012

**IV. SERVICE**

A. Institutional

1. University:

2019-present Alliance for Researchers in Aging (ARIA), Texas State University

2015-2016 Involved in development of research relationship with new assisted living care facility, Texas State-Lockard Health Project

2013-2015 Gerontology Consortium, Texas State University

2. College:



- 2018 Presenter, Innovation Day, College of Liberal Arts, Texas State University
- 2018-19 Reviewer for College of Liberal Arts candidates for University level scholarship, Texas State University
- 2016 Psychology Department Representative, College of Liberal Arts Research Enhancement award committee, Texas State University

### 3. Department/School:

- 2014-present Chair, Student Awards Committee, Psychology Department, Texas State University
- 2014-present Co-organizer and co-founder, Research Brown Bag Series, Psychology Department, Texas State University
- 2019-present Member, Faculty Review Committee, Psychology Department, Texas State University
- 2017-2019 Member, Psychology Day Planning Committee, Psychology Department, Texas State University
- 2015-16 Member, Psychology Day Planning Committee, Psychology Department, Texas State University
- 2015 Organized External Research Speaker, Psychology Department, Texas State University
- 2014 Invited Speaker, Psychology Learning Community, Texas State University
- 2013-14 Member, Student Awards Committee, Psychology Department, Texas State University
- 2006 Supervised students for APA Summer Institute for Undergraduates, Department of Psychology, University of Minnesota
- 2006-8 Retreat Committee, Center for Cognitive Sciences, University of Minnesota
- 2004-6 Student co-organizer, functional magnetic resonance imaging user group, Department of Psychology, University of Minnesota
- 2004-5 Graduate student liaison, Department of Psychology Appointments Committee, University of Minnesota
- 2004-5 Co-chair, Training Committee, Center for Cognitive Sciences, University of Minnesota
- 2003-4 Co-organizer, Welcome Weekend for Prospective Graduate Students, Department of Psychology, University of Minnesota
- 2002-4 Retreat Committee, Center for Cognitive Sciences, University of Minnesota

### B. Professional:

#### Ad hoc Reviewer:

*Cerebral Cortex, Neuropsychologia, PLoS ONE, Brain Research, Biological Psychology, Language and Cognitive Processes, Journal of Memory and Language, Journal of Gerontology: Psychological Sciences, American Journal of Alzheimer's Disease and Other Dementias, Journal of Clinical and Experimental Neuropsychology, Journal of the International Neuropsychological Society, Alzheimer's and Neurodegenerative Diseases Journal, Medical Science Monitor, Frontiers in Psychology, Cognition, Psychophysiology, Consciousness and Cognition, Memory, Neuropsychiatric Disease and Treatment,*

*Dementia and Geriatric Cognitive Disorders, Current Alzheimer Research, Geriatric Nursing, Clinical Interventions in Aging, Cortex, Aging, Neuropsychology & Cognition, Journal of Forensic Psychology: Research and Practice, Neuropsychology Review*

Grant Reviewer:

November 2019	Reviewed grant applications for the Florida Department of Health's Ed and Ethel Moore Alzheimer's Disease Research Program
November 2018	Reviewed grant applications for the Florida Department of Health's Ed and Ethel Moore Alzheimer's Disease Research Program
November 2017	Reviewed grant applications for the Florida Department of Health's Ed and Ethel Moore Alzheimer's Disease Research Program
October 2017	Reviewed grant application for Polish National Science Centre
October 2017	Reviewed grant application for Fondation Plan Alzheimer, Paris, France
November 2016	Reviewed grant application for the Florida Department of Health's Ed and Ethel Moore Alzheimer's Disease Research Program

Textbook Reviewer:

June 2018	Reviewed revision proposal for textbook, Sage Publishers
January 2016	Reviewed 2 chapters in new Cognitive textbook, W. W. Norton & Company
June 2015	Reviewed 2 chapters in new Cognitive textbook, Oxford University Press

Conference Abstract Reviewer:

March 2019	Reviewed 21 abstracts submitted for posters, papers, and symposium for the Annual Meeting of the Gerontological Society of America
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Professional Organization Memberships:

Fellow, Psychonomic Society  
 Association for Psychological Science  
 Women in Cognitive Science  
 Gerontological Society of America  
 Southwestern Psychological Association

C. Community:

2019	Solstice Senior Living Community, Presented talk, "The Aging Brain"
2017	Wimberley Chamber of Commerce, Presented keynote talk, "The Science of the Aging Brain"
2017	San Marcos Activity Center, Presented talk, "The Science of the Aging Brain"
2017	Wimberley Village Library, Presented talk, "The Science of the Aging Brain"
2016	San Marcos Community Center, Presented talk, "The Science of the Aging Brain"
2016	San Marcos High School Psychology Club, Lead lab tour and research presentation
2015	Fundraised for the Walk to End Alzheimer's disease, San Marcos, TX

- 2014 San Marcos High School Psychology Club, Lead lab tour and research presentation
- 2012 Participant in the Walk to End Alzheimer's disease, Boston, MA
- 2007 Presentation for College in the Schools Program, University of Minnesota
- 2007 Presented to Kids into Health Careers Summer Program, University of Minnesota

D. Service Honors and Awards

- 2019 Presidential Distinction Award in Service, Texas State University
- 2019 College of Liberal Arts Golden Apple Award in Service, Texas State University