

## TEXAS STATE VITA

### I. Academic/Professional Background

A. Name: Carmen E. Westerberg

Title: Associate Professor

#### B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Dissertation</i>
PhD	2003	University of Minnesota	Cognitive & Biological Psychology	Reducing false memories: The influence of instructional warnings on false recognition
BA	1997	Gustavus Adolphus College	Honors Psychology	

#### C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Professor	Texas State University	Sept 2023-present
Associate Professor	Texas State University	Sept 2017-present
Assistant Professor	Texas State University	Sept 2011-Aug 2017
Postdoctoral Research Associate	Northwestern University	May 2003-Aug 2011

### II. TEACHING

#### A. Teaching Honors and Awards:

2022 Favorite Professor, Alpha Chi Honor Society, Texas State University  
2020 Teaching Award of Honor, Texas State Alumni Association  
2016 College of Liberal Arts Achievement Award for Excellence in Teaching, Texas State  
2014 Teaching Recognition Event, Delta Zeta Sorority, Texas State University  
2013 Honorary Guest Coach, Texas State University Volleyball Team  
2013 Faculty Appreciation Night, Chi Omega Sorority, Texas State University  
2013 Scholarship Banquet, Alpha Delta Pi Sorority, Texas State University

#### B. Courses Taught:

Psychology 3322 Brain and Behavior (22 regular sections, 5 theater sections)  
Psychology 3341 Cognitive Processes (15 sections)  
Psychology 4395 Individual study (12 students)  
Psychology 5324 Biological Bases of Behavior (2 sections)  
Psychology 5362 Cognitive Neuroscience (6 sections)  
Psychology 5366 Independent study (8 students)  
Psychology 5399 Thesis

#### C. Directed Student Learning:

##### Dissertation Committee:

2014-2016 Stephanie Sherman, University of Texas, Austin. *Associations between sleep and memory in aging.*

##### Thesis Supervisor for Masters of Psychological Research, Texas State University:

2023-present Regan Christian

- 2021-2023 Michael Price, *The influence of personality and dreams on creative problem solving.*
- 2020-2022 Cheryl Fox, *Does sleep-dependent memory consolidation contribute to the negative memory bias in individuals with a high number of depressive symptoms?*
- 2018-2020 Anna Madden-Rusnak, *The effects of sleep on repetition priming.*
- 2016-2018 Sean Fickle, *Sleep facilitates analogical transfer in problem solving.*
- 2015-2017 Mckensey Johnson, *The effect of continuous positive airway pressure (CPAP) on memory.*
- 2014-2017 Bryant Reininger, *Do memories for same-and other-race faces change after a consolidation period?*
- 2013-2016 Christopher Hawkins, *The selective consolidation of declarative memories.*
- 2013-2015 Haley Harris, *Pain anticipation and memory: An ERP study.*

Thesis Committees for Masters of Psychological Research, Texas State University:

- 2023- Megan Shepard
- 2021-2023 Victoria Tsatenawa, *Visuospatial tasks effectively interfere with memory consolidation, leading to a reduction in intrusive memories*
- 2018-2020 Mark Stern, *Non-invasive brain stimulation and the enhancement of working memory.*
- 2017-2019 Rachel Farley, *Associations among sexual assault, PTSD, and cognitive functioning.*
- 2016-2018 Dakota Tuffenstamer, *Avoidance motivation and cognitive performance.*
- 2015-2017 Katherine Mooney, *Music as a memory enhancer in healthy, young adults: An event-related potential investigation.*
- 2014-2016 Haleigh Winfrey, *The effects of attitude similarity, attachment style, and self-esteem on interpersonal attraction.*
- 2013-2016 Andrew Santana, *Music and memory: An ERP examination of the use of music as a mnemonic device.*

Thesis Committee for Master of Athletic Training, Texas State University:

- 2018-2020 Michael Kuo, *The SCAT5: A Factor Analysis.*

Thesis Committee for Master of Arts in Health Psychology, Texas State University:

- 2012-2015 Ashley Ney, *Working memory and verbal learning in individuals with and without learning difficulties.*

Undergraduate Honors Thesis Supervisor:

- 2022-2022 Omaly's Biggs Rodriguez, *Can a period of wakeful rest facilitate memory consolidation?*
- 2016-2017 Nathan Wofford, *Effects of a brief nap on stress.*
- 2015-2016 Emily Lund, *The impact of social pressures on the report behavior of sports-related concussion.*

Undergraduate Honors Thesis Second Reader

- 2023 Isaac H'luz, *A mind in motion: The benefits of exercise for mood, memory, and neurocognitive longevity.*

#### D. Courses Prepared and Curriculum Development

##### Courses prepared:

PSY 3322 Brain and Behavior

PSY 3341 Cognitive Processes

PSY 5324 Biological Bases of Behavior

PSY 5362 Cognitive Neuroscience

PSY 5373 Human Memory and Memory Disorders

##### Curriculum development:

2014            Developed new graduate course: PSY 5362 Cognitive Neuroscience

##### F. Other:

##### Honors Contract Courses:

Fall 2020        PSY 3322: Brain and Behavior. Additional assignments to enhance existing course material for Honors College student Nancy Campos.

Spring 2020    PSY 3341: Cognitive Processes. Additional assignments to enhance existing course material for Honors College student Taylor Mule.

Spring 2016    PSY 3341: Cognitive Processes. Additional assignments to enhance existing course material for Honors College student Emily Lund.

##### Guest Lectures:

2023            PSY 5373: Human Memory and Memory Disorders. *Memory consolidation.*

2016            HON 3397: Psychology in Film. *Inception: Changing the course of waking behavior through mental events that occur during sleep.*

2016            PSY 3322: Brain and Behavior. *The neural basis of sleep.*

##### Laboratory mentor/supervisor:

2023-present   1 graduate student (Regan Christian)  
9 undergraduate students (Lydia Garza, Daniel Gonzalez, Drake Keffer, Favour Kowe, Yordanos Kinfe, Diego Vila Peña, Kelsey Randall, Isabella Rodriguez, Quade White)

2022-2023      4 graduate students (Cheryl Fox, Zehra Haque, Victoria Leyva, Michael Price)  
9 undergraduate students (Lydia Garza, Daniel Gonzalez, Isaac Hluz, Drake Keffer, Yordanos Kinfe, Omalys Biggs Rodriguez, Diego Vila Peña, Brenna Thompson, Quade White, Jazmyn Zynda)

2021-2022      4 graduate students (Cheryl Fox, Zehra Haque, Victoria Leyva, Michael Price)  
7 undergraduate students (Omalys Biggs Rodriguez, Nora Napper, Abie Nichols, Natalie Schmuls, Gage Smith, Kathryn Wactor, Jazmyn Zynda)

2020-2021      1 graduate student (Cheryl Fox)  
7 undergraduate students (Ryhlei Bell, Omalys Biggs Rodriguez, D'onna Madlock, Nora Napper, Valerie Rodriguez, Gage Smith, Kathryn Wactor)

2019-2020      1 graduate student (Anna Madden-Rusnak)  
8 undergraduate students (Ryhlei Bell, Ugonne Etufugh, Laura Gamboa, Kammille Harvey, Amaya Martin, Ciliana Ordaz, Karla Reyes Fierros, Chloe Troupe)

- 2018-2019 1 graduate student (Anna Madden-Rusnak)  
9 undergraduate students (Maci Allee, Ugonne Etufugh, Anna Khayyat, Serene Morris, Shelby Rubino, Shelby Sparks, Chloe Troupe, Nathan Wofford, Kelly Youngs)
- 2017-2018 1 graduate student (Sean Fickle)  
9 undergraduate students (Maci Allee, Raquel Garza, Anna Khayyat, Serene Morris, Shelby Rubino, Shelby Sparks, Audrey Sullivan, Chloe Troupe, Nathan Wofford)
- 2016-2017 2 graduate students (Sean Fickle, Mckensey Johnson)  
8 undergraduate students (Marina Bottiglieri, Holly Bowman, Sarah Hakala, Gretta Johnson, Marissa Lira, Emily Lund, Safia Menssor, Nathan Wofford)
- 2015-2016 3 graduate students (Christopher Hawkins, Mckensey Johnson, Bryant Reininger)  
20 undergraduate students (Marina Bottiglieri, Holly Bowman, Delanie Brown, Brooke Bryson, Greg Caparis, Magen Crawford, Evelyn Duran, Barbara Echevarria, Israh Imam, Gretta Johnson, Patience Kelly, Anjelica Langdon, Emily Lund, Safia Menssor, Michael Nealy, Claire Porter, Carly Reier, Stephanie Sevin, Lindell Thomas, Nathan Wofford)
- 2014-2015 5 graduate students (Yousef Alqurashi, Haley Harris, Christopher Hawkins, Bryant Reininger, Haleigh Winfrey)  
15 undergraduate students (Holly Bowman, Brooke Bryson, Tamesha Caffee, Mackinzie Caruthers, Margarita Gonzalez, Gretta Johnson, Mckensey Johnson, Patience Kelly, Shadoe Lee, Emily Lund, Stephanie Sevin, Deanna Simon, Ayesha Wickramasinghe, Michelle Wilson, Samia Zia)
- 2013-2014 3 graduate students (Yousef Alqurashi, Haley Harris, Christopher Hawkins)  
13 undergraduate students (Aaron Grady, Zachary Guram, Mckensey Johnson, Patience Kelly, Courtney Lucas, James McDade, Giovanna Perez, Meghan Ritch, Lauren Rendon, Tessa Walsh, Michelle Wilson, Haleigh Winfrey, Samia Zia)
- 2012-2013 1 graduate student (Sepeadeh Radpour)  
11 undergraduate students (Mary Aiello, Ashley Baker, Henry Blanton, Aaron Grady, Zachary Guram, Christopher Hawkins, Lina Kahera, Lauren Rendon, Lance Tschirhart, Tessa Walsh, Haleigh Winfrey)
- 2011-2012 5 undergraduate students (Mary Aiello, Joni Fields, Christopher Hawkins, David Lee, Jamie Lewis)

#### Mentored Student Awards:

- 2023 Associated Student Government STAR Grant for Scholarly Travel Activity. \$750.  
Student: Michael Price.
- 2022 Best Graduate Student Poster, Texas State Psychology Day. Student: Cheryl Fox.
- 2022 Best Undergraduate Student Poster Runner Up, Texas State Psychology Day. Students: Omalys Biggs Rodriguez and Jazmyn Zynda.
- 2022 Top Poster Presentation, Masters Category, Honorable Mention, International Research Conference for Graduate Students, Texas State University. Student: Michael Price.
- 2022 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Cheryl Fox.

- 2022 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Michael Price.
- 2022 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Omalys Biggs Rodriguez.
- 2022 Associated Student Government STAR Grant for Scholarly Travel Activity. \$200.  
Student: Jazmyn Zynda.
- 2020 Undergraduate Research Fellowship, Texas State University. \$1000. Student: Omalys Biggs Rodriguez.
- 2020 Outstanding Undergraduate in Psychology, Texas State University. Student: Karla Reyes Fierros.
- 2019 Best Graduate Poster, ARMADILLO, the Annual Meeting of the Southwest Cognition and Cognitive Neuroscience Society, San Antonio, TX. Student: Anna Madden-Rusnak.
- 2019 Best Undergraduate Student Poster, Texas State Psychology Day. Student: Shelby Rubino.
- 2019 Best Undergraduate Student Poster Runner Up, Texas State Psychology Day. Student: Chloe Troupe.
- 2019 Outstanding Undergraduate in Psychology, Texas State University. Student: Shelby Rubino.
- 2018 Best Graduate Student Poster Runner Up, Texas State Psychology Day. Student: Sean Fickle.
- 2018 Best Undergraduate Student Poster, Texas State Psychology Day. Student: Nathan Wofford.
- 2017 Best Graduate Student Poster, Texas State Psychology Day. Student: Mckensey Johnson.
- 2017 Best Undergraduate Student Poster Runner Up, Texas State Psychology Day. Students: Marina Bottiglieri, Safia Menssor, and Nathan Wolford.
- 2017 Undergraduate Research Fellowship, Texas State University. \$1000. Student: Nathan Wofford.
- 2017 Associated Student Government STAR Grant for Scholarly Travel Activity. \$200.  
Student: Mckensey Johnson.
- 2016 Thesis Research Support Fellowship. The Graduate College, Texas State University. \$2000. Student: Mckensey Johnson.
- 2016 Undergraduate Research Fellowship, Texas State University. \$1000. Student: Emily Lund.
- 2015 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Christopher Hawkins.
- 2015 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Haleigh Winfrey.
- 2014 Thesis Research Support Fellowship. The Graduate College, Texas State University. \$1000. Student: Christopher Hawkins.
- 2014 Undergraduate Research Fellowship, Texas State University. \$1000. Student: Aaron Grady.

2013 Associated Student Government STAR Grant for Scholarly Travel Activity. \$500.  
Student: Christopher Hawkins.

#### E. Teaching Grants

##### 1. Funded External Teaching Grants:

- 2023-2024 Principal Investigator. Matthew Pecot Fellowship, McKnight Foundation for Neuroscience, to fund underrepresented undergraduate student to work in my research lab for one year. \$16,500.
- 2021-2022 Principal Investigator. Matthew Pecot Fellowship, McKnight Foundation for Neuroscience, to fund underrepresented undergraduate student to work in my research lab for one year. \$16,500.

##### G. Teaching Professional Development Activities Attended:

- 2023 *2023 Summer Institute, Engaging Student Voice to Craft Learner-Centered Courses*, Office of Distance and Extended Learning, Texas State University
- 2020 *Flexing Classroom Technology for Hybrid Instruction Training*, ITAC and Office of Distance and Extended Learning, Texas State University
- 2020 *Teaching Online at Texas State-Hybrid*, Office of Distance and Extended Learning, Texas State University
- 2011-2012 *Program for Excellence in Teaching and Learning*, Texas State University

### III. SCHOLARLY/CREATIVE

#### A. Works in Print

##### 1. Books

##### d. Chapters in Books:

Paller KA, Voss JL, & Westerberg CE (2009). Memory and the awareness of remembering. In RH Kluwe, C Ranganath, B Röder, & F Rösler (Eds.), *Neuroimaging of Human Memory: Linking Cognitive Process to Neural Systems*. Oxford: Oxford University Press. pp. 383-404.

##### 2. Articles

##### a. Refereed Journal Articles (\*denotes student co-author):

Westerberg CE, \*Price MA, Niziurski J, & Howard K (in press pending minor revision). *Prolonged changes to dreaming behaviors resulting from the COVID-19 pandemic*.

Ceballos NA, Westerberg C, Graham R, Shattuck E, & Perrotte J (2022). Hangovers and blackout experiences among Hispanic and Non-Hispanic White college students. *Addictive Behaviors Reports*, 16, 100466.

\*Wofford N, Ceballos NA, Elkins G, & Westerberg CE (2022). A brief nap during an acute stressor improves negative affect. *Journal of Sleep Research*, 31, e13701.

Westerberg CE, \*Wofford N, \*Menssor S, \*Reininger BP, & Deason RG (2020). Face category differentially influences face memories after a delay. *Journal of Cognitive Psychology*, 32, 587-597.

Westerberg CE, \*Hawkins CA, & \*Rendon L (2018). Sleep-dependent reductions in reality-monitoring errors arise from more conservative decision criteria. *Learning and Memory*, 25, 105-108.

- Batterink LJ, Westerberg CE, & Paller KA (2017). Vocabulary learning benefits from REM after slow-wave sleep. *Neurobiology of Learning and Memory*, 144, 102-113.
- Westerberg CE, Florczak SM, Weintraub S, Mesulam M-M, Marshall L, Zee PC, & Paller KA (2015). Memory improvement via slow-oscillatory stimulation during sleep in older adults. *Neurobiology of Aging*, 36, 2577-2586.
- #Migo E, & Westerberg CE (2014). Reconsidering claims of familiarity disruptions in mild cognitive impairment. *Aging, Neuropsychology, and Cognition*, 21, 432-436. # = order of authors determined alphabetically.
- Westerberg CE, Mayes A, Florczak SM, Chen Y, Creery J, Parrish T, Weintraub S, Mesulam M-M, Reber PJ, & Paller KA (2013). Distinct medial temporal contributions to different forms of recognition in patients with amnesic mild cognitive impairment and Alzheimer's disease. *Neuropsychologia*, 51, 2450-2461.
- Westerberg CE, Mander BA, Florczak SM, Weintraub S, Mesulam M-M, Zee PC, & Paller KA (2012b). Concurrent impairments in sleep and memory in amnesic mild cognitive impairment. *Journal of the International Neuropsychological Society*, 18, 1-11.
- Westerberg CE, Voss JL, Reber PJ, & Paller KA (2012a). Medial temporal contributions to face-name learning. *Human Brain Mapping*, 33, 1717-1726.
- Westerberg CE, Reber PJ, Miller BB, Parrish TB, Cohen NJ, & Paller KA (2011). Neural correlates of contextual cueing are modulated by explicit learning. *Neuropsychologia*, 49, 3439-3447.
- Westerberg CE, Lundgren EL, Florczak SM, Weintraub S, Mesulam M-M, Zee PC, & Paller KA (2010). Sleep influences the severity of memory disruption in mild cognitive impairment: Results from sleep self-assessment and continuous activity monitoring. *Alzheimer's Disease and Associated Disorders*, 24, 325-333.
- Rudoy JD, Voss JL, Westerberg CE, & Paller KA (2009). Strengthening individual memories by reactivating them during sleep. *Science*, 326, 1079.
- Paller KA, Voss JL, & Westerberg CE (2009). Investigating the awareness of remembering. *Perspectives on Psychological Science*, 4, 185-199.
- Chen JCW, Li W, Westerberg CE, & Tzeng OJ-L (2008). Test-item sequence affects false memory formation: An event-related potential study. *Neuroscience Letters*, 431, 51-56.
- Westerberg CE, Steele VR, & Maroslek CJ (2008). Reversing presentation order of semantically related words reverses memory. *European Journal of Cognitive Psychology*, 20, 69-90.
- Westerberg CE, Paller KA, Weintraub S, Mesulam M-M, Holdstock JS, Mayes AR, & Reber PJ (2006). When memory does not fail: Familiarity-based recognition in mild cognitive impairment and Alzheimer's disease. *Neuropsychology*, 20, 193-205.
- Westerberg CE, & Marsolek CJ (2006). Do instructional warnings reduce false recognition? *Applied Cognitive Psychology*, 20, 97-114.
- Westerberg CE, & Marsolek CJ (2003b). Sensitivity reductions in false recognition: A measure of false memories with stronger theoretical implications. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29, 747-759.
- Westerberg CE, & Marsolek CJ (2003a). Hemispheric asymmetries in memory processes as measured in a false recognition paradigm. *Cortex*, 39, 627-642.

Westerberg CE, & Marsolek CJ (1999). Questioning explicit properties of implicit individuals in knowledge representation. *Behavioral and Brain Sciences*, 22, 788-789.

3. Abstracts (\*denotes student co-author):

\*Price MA, \*Chavez R, Perrotte J, & Westerberg CE (2023, June). *Dreams and personality influence creativity*. Presented at the Annual Meeting of the Associated Professional Sleep Societies, LLC, Indianapolis, IN. *Sleep*, 46, A31.

Ceballos N, Perrotte J, Westerberg CE, Shattuck E, & Graham R (2022, June). *The roles of shame and resilience in hangover experiences among Hispanic and Non-Hispanic white college students*. Presented at the Research Society on Alcoholism Annual Meeting, Orlando, FL. *Alcoholism: Clinical and Experimental Research*, 46, 222A.

\*Wofford N, Westerberg C, Ceballos N, & Elkins G (2020, November). *The effects of a brief nap on stress, affect, and working memory*. Presented at the Society for Clinical and Experimental Hypnosis Annual Conference, virtual. *Journal of Clinical and Experimental Hypnosis*, 69, 162-167.

\*Johnson ML, Marshall SG, Kelemen WL, & Westerberg CE (2019, June). *The effects of a single night of continuous positive airway pressure on memory in patients with obstructive sleep apnea*. Presented at the Annual Meeting of the Associated Professional Sleep Societies, LLC, San Antonio, TX. *Sleep*, 42, A33.

Westerberg CE, Florczak SM, Parrish TB, Weintraub S, Mesulam M-M, Mayes AR, Reber PJ, & Paller KA (2008, July). *Regional medial temporal damage and familiarity-based recognition in Alzheimer's disease*. Presented at the International Conference on Alzheimer's Disease, Chicago, IL. *Alzheimer's & Dementia*, 4, (Suppl. 2), T398.

B. Works not in Print

1. Papers Presented at Professional Meetings (\*denotes student co-author):

Oral presentations:

White Q, Keffer D, Zynda J, & Westerberg CE (November 2023). *Sleep-dependent memory consolidation is influenced by affective state*. Dallas and Austin Area Memory Meeting, University of Texas at Dallas.

Westerberg CE, \*Fickle SE, \*Troupe CE, & \*Madden-Rusnak A (November, 2022). *Sleep-dependent memory consolidation facilitates analogical problem solving*. Dallas and Austin Area Memory Meeting, University of Texas at Austin.

\*Fox CF, Florczak S, Trujillo L, Stark CEL, Paller KA, & Westerberg CE (September, 2021). *Superior sleep physiology in highly superior autobiographical memory*. Dallas and Austin Area Memory Meeting, virtual.

Westerberg CE, Paller KA, McGaugh JL, Zee PC, Warby SC, Lacourse K, Florczak S, Reid KJ, Stark SM, Stark CEL (November, 2020). *Highly superior autobiographical memory is associated with superior sleep physiology*. Annual Meeting of the Psychonomic Society, virtual.

Westerberg, CE (October, 2017). *The effects of mood on sleep-dependent memory consolidation*. ARMADILLO, Annual Meeting of the Southwest Cognition and Cognitive Neuroscience Society, Texas A&M University, College Station, TX.



Westerberg, CE (September, 2014). *Never go to bed angry: Testing the memorial consequences of this old adage*. Memory Disorders Research Society Annual Meeting, Austin, TX.

Westerberg, CE (October, 2010). *Sleep and memory consolidation in patients with mild cognitive impairment*. Memory Disorders Research Society Annual Meeting, Evanston, IL.

Poster presentations:

\*Price MA, \*Haque Z, \*Garza L, & Westerberg CE (2023, October). *Relationships between metacognition, personality, and the bizarreness of lucid and non-lucid dreams*. Poster presented at ARMADILLO: Annual Meeting of the Southwest Cognition and Cognitive Neuroscience Society, San Marcos, TX.

\*Keffer D, \*White Q, \*Zynda J, & Westerberg CE (2023, October). *Sleep-dependent memory consolidation is influenced by affective state*. Poster presented at ARMADILLO: Annual Meeting of the Southwest Cognition and Cognitive Neuroscience Society, San Marcos, TX.

\*Price MA, Niziurski J, Howard K, & Westerberg CE (2022, May). *Changes in dream intensity and nightmare frequency during the COVID-19 pandemic are influenced by personality*. Poster presented at the Association for Psychological Science Annual Meeting, Chicago, IL.

\*Biggs Rodriguez O, \*Zynda J, \*Nichols A, \*Smith SG, & Westerberg CE (2022, April). *Mood prior to sleep influences the selectivity of sleep-dependent memory consolidation*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

\*Fox CF, \*Wactor K, \*Price MA, & Westerberg CE (2022, April). *Does sleep-dependent memory consolidation contribute to the negative memory bias in individuals with a high number of depressive symptoms?* Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

\*Stern M, Fleming K, Reinhuber D, Broussard K, Reyes-Fierros K, Westerberg CE, Trujillo L, & Deason R (2020, May). *An investigation of verbal vs. tonal working memory using non-invasive brain stimulation*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, virtual.

\*Madden-Rusnak A, Deason RG, Marsolek CJ, & Westerberg CE (2020, May). *An afternoon nap enhances repetition priming and antipriming*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, virtual. Also presented at Women in Science and Engineering Conference, Texas State University.

\*Madden-Rusnak A, \*Troupe CE, \*Fickle SE, \*Reyes Fierros K, & Westerberg CE (2019, October). *Sleep-dependent increases in perceived similarity facilitate analogical problem solving*. Poster presented at ARMADILLO, the Annual Meeting of the Southwest Cognition and Cognitive Neuroscience Society, San Antonio, TX.

\*Rubino SN, \*Sparks SD, & Westerberg CE (2019, April). *Does sleep-dependent memory consolidation contribute to the negative memory bias in individuals with high levels of depressive symptoms?* Poster presented at Psychology Day and the College of Liberal Arts Research Expo, Texas State University.

\*Troupe CE, \*Fickle SE, \*Madden-Rusnak A, & Westerberg CE (2019, April). *Sleep facilitates analogical problem solving by increasing perceived problem similarity*. Poster presented at Psychology Day and the College of Liberal Arts Research Expo, Texas State University.

\*Fickle SE, \*Troupe CE, & Westerberg CE (2018, November). *Sleep facilitates analogical transfer in problem solving*. Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.

- \*Wofford NJ, & Westerberg CE (2018, April). *The effects of a brief nap on stress*. Poster presented at the Southwestern Psychological Association Annual Meeting, Houston, TX.
- \*Bottiglieri MD, \*Menssor S, \*Wofford NJ, & Westerberg CE (2017, April). *Do differences in the consolidation of same-race versus other-race faces contribute to the other-race effect?* Poster presented at the Southwestern Psychological Association Annual Meeting, San Antonio, TX.
- Batterink LJ, Westerberg CE, & Paller KA (2017, March). *Vocabulary learning benefits from REM after slow-wave sleep*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- \*Johnson ML, \*Bowman H, \*Johnson G, \*Imam IU, \*Langdon AE, & Westerberg, CE (2017, March). *A sad mood prior to sleep is sufficient to enhance sleep-dependent consolidation of sad memories*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- \*Reininger BP, \*Caparis GA, \*Reier CC, & Westerberg CE (2016, April). *A two-day consolidation period improves memory for other-race faces to a greater extent than memory for same-race faces*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY. *Journal of Cognitive Neuroscience*, 28, (Suppl.), 58.
- \*Grady AL, \*Hawkins CA, \*Winfrey H, Czyzewska M, & Westerberg CE (2015, March). *Mood influences the selectivity of sleep-dependent memory consolidation*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 27, (Suppl.), 220.
- Malkani R, Paplambros P, Santostasi G, Reid K, Westerberg CE, Weintraub S, & Zee PC (2014, June). *Impaired slow wave activity dissipation in mild cognitive impairment*. Poster presented at the Annual Meeting of the Associated Professional Sleep Societies, LLC, Minneapolis, MN.
- \*Grady AL, \*Wilson M, \*Lucas C, & Westerberg CE (2014, April). *Never go to bed angry: Testing the consequences of this old adage*. Poster presented at the Undergraduate Research Conference, Texas State University.
- \*Rendon LC, \*Winfrey H, \*Guram Z, & Westerberg CE (2013, November). *The contributions of sleep to implicit memory*. Poster presented at the Women in Science and Engineering Conference, Texas State University.
- \*Hawkins CA, \*Rendon LC, & Westerberg CE (2013, April). *Contributions of sleep-dependent memory consolidation to reality monitoring*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 25, (Suppl.), 111.
- Westerberg CE, Florczak SM, Weintraub S, Marshall L, Mesulam M-M, Zee PC, & Paller KA (2011, April). *Electrically enhancing memory consolidation during sleep: A novel method for moderating age-related memory decline*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 23, (Suppl.), 177.
- Westerberg CE, Florczak SM, Lundgren EM, Weintraub S, Mesulam M-M, Zee PC, & Paller KA (2010, April). *Poor sleep contributes to poor memory consolidation in amnesic mild cognitive impairment*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Montreal, Canada. *Journal of Cognitive Neuroscience*, 22, (Suppl.), 274.

- Westerberg CE, Florczak SM, Weintraub S, Mesulam M-M, Parrish TB, Mayes AR, Reber PJ, & Paller KA (2009, October). *Medial temporal contributions to familiarity-based recognition in Alzheimer's disease*. Poster presented at the Annual Meeting of the Society for Neuroscience, Chicago, IL.
- Westerberg CE, Mander BA, Florczak SM, Jatla S, Weintraub S, Mesulam M-M, Zee PC, & Paller KA (2009, March). *Memory failure and sleep disruption in amnesic mild cognitive impairment*. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 21, (Suppl.), 135.
- Ramanathan P, Ketz NA, Deason RG, Westerberg CE, & Marsolek CJ (2007, May). *Visual anti-priming and priming predicted by neurally plausible models of object identification*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 19, (Suppl.), 221.
- Westerberg CE, Florczak SM, Parrish TB, Weintraub S, Mesulam M-M, Mayes AR, Reber PJ, & Paller KA (2007, May). *Relationships between medial temporal volume and recognition tested with yes-no and forced-choice formats in patients with mild cognitive impairment*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 19, (Suppl.), 241.
- Westerberg CE, Florczak SM, Parrish TB, Weintraub S, Mesulam M-M, Mayes AR, Reber PJ, & Paller KA (2006, August). *When memory does not fail: Examining the neural basis of familiarity-based recognition in mild cognitive impairment*. Poster presented at the Neuroimaging and Psychological Theories of Human Memory Invited Conference, Marburg, Germany.
- Westerberg CE, Lundgren EM, Mander BA, Weintraub S, Mesulam M-M, Zee PC, & Paller KA (2006, April). *Assessing sleep in mild cognitive impairment: Is there a connection between poor sleep and poor memory?* Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. *Journal of Cognitive Neuroscience*, 18, (Suppl.), 102.
- Westerberg CE, Voss JL, Parrish TB, Gitelman DR, Mesulam M-M, Reber PJ, & Paller KA (2005, April). *Anatomically distinct neural events support successful memory formation for faces, names, and face-name associations*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 17, (Suppl.), 235.
- Marsolek CJ, Deason RG, & Westerberg CE (2004, November). *Visual anti-priming*. Poster presented at the Psychonomic Society Annual Meeting, Minneapolis, MN.
- Westerberg CE, Paller KA, Weintraub S, Mesulam M-M, Holdstock JS, Mayes AR, & Reber PJ (2004, October). *Relative preservation of forced-choice recognition in Alzheimer's disease and mild cognitive impairment*. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.
- Westerberg CE, Steele VR, & Marsolek CJ (2004, April). *The effects of presentation order on memory for semantically related words*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16, (Suppl.), 106.
- Bernat EM, Marsolek CJ, Collins PF, Steele VR, Westerberg CE, van den Broek P, & Patrick CJ (2004, April). *Event-related potentials differentiate semantic processes contributing to inferences generated during comprehension*. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Journal of Cognitive Neuroscience*, 16,

(Suppl.), 208-209.

Deason RG, Westerberg CE, Capps J, & Marsolek, CJ (2003, November). *Anti-priming of familiar objects: Does priming have a purpose?* Poster presented at the Psychonomic Society Annual Meeting, Vancouver, BC.

Westerberg CE, & Marsolek CJ (2003, March). *Can false recognition be reduced through warnings that discourage associative encoding?* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 15, (Suppl.), 178.

Deason RG, Westerberg CE, Capps J, & Marsolek CJ (2003, March). *Visual anti-priming: Superimposed representations of objects and the nature of repetition priming.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 15, (Suppl.), 181.

Westerberg CE, & Marsolek CJ (2002, November). *How do instructional warnings reduce false recognition?* Poster presented at the Psychonomic Society Annual Meeting, Kansas City, MO.

Westerberg CE, & Marsolek CJ (2002, April). *The influence of warnings on false recognition.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Journal of Cognitive Neuroscience*, 14, (Suppl.), 161.

Andresen DR, Westerberg CE, Marsolek CJ, Zhuang J, & Hu X (2001, November). *Relating fMRI signals with computational properties of visual object recognition and priming.* Poster presented at the Psychonomic Society Annual Meeting, Orlando, FL.

Westerberg CE, Andresen DR, Stevenson WE, & Marsolek CJ (2001, November). *Anti-priming of visual objects.* Poster presented at the 9<sup>th</sup> Annual Pre-Psychonomics Workshop on Object Perception and Memory (OPAM), Orlando, FL.

Westerberg CE, & Marsolek CJ (2001, March). *Sensitivity effects in false recognition: False memories due to storage, not bias.* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY. *Journal of Cognitive Neuroscience*, 13, (Suppl.), 33.

Westerberg CE, & Marsolek CJ (2000, April). *What mechanisms underlie false recognition?* Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. *Journal of Cognitive Neuroscience*, 12, (Suppl.), 140.

Marsolek CJ, Jax SA, Andresen DR, Burgund ED, Westerberg CE, & Henderson BJ (1999, November). *Contradictory neurocomputational properties for abstract-category and specific-exemplar object recognition.* Poster presented at the Psychonomic Society Annual Meeting, Los Angeles, CA.

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

2022 *Superior sleep physiology in highly superior autobiographical memory.* Presented to the Alliance of Researchers in Aging (ARIA), Texas State University, virtual.

2020 *Highly superior autobiographical memory is associated with superior sleep physiology.* Presented at the Psychology Department Brown Bag, Texas State University, virtual.

2019 *The memory function of sleep.* Talk during panel presentation “New Strategies to Improve Aging, Memory, and Sleep”, Price Center, San Marcos, TX.

2019 *Sleep-dependent memory consolidation.* Presented as part of the Researcher Data Blitz, Psychology Department Brown Bag, Texas State University, San Marcos, TX.

- 2018 *The impact of sleep deficits on memory in aging and dementia*. Taking the Next Step: 2018 Geriatric Symposium, Texas Department of Health and Human Services, Georgetown, TX.
- 2016 *The transformation of memories during sleep: Implications for understanding both healthy and declining memory*. Presidential Seminar, Texas State University, San Marcos, TX.
- 2015 *The role of sleep in memory processes in aging and Alzheimer's disease*. Dementia and Aging Seminar Series, Sociology Department, Texas State University, McKenna Events Center, New Braunfels, TX.
- 2014 *Never go to bed angry: Testing the memorial consequences of this old adage*. Presented at the Psychology Department Brown Bag, Texas State University, San Marcos, TX.
- 2013 *The role of sleep in healthy and dysfunctional memory*. Cognitive Neuroscience Seminar Series, University of Texas-Austin, Austin, TX.
- 2013 *Age-related changes in memory and their relation to sleep*. Aging Network, University of Texas-Austin, Austin, TX.
- 2011 *Contributions of memory processing during sleep to healthy and dysfunctional memory*. Cognitive Psychology Brown Bag, University of Chicago, Chicago, IL.
- 2010 *Potential contributions of memory processing during sleep to healthy and dysfunctional memory*. Cognitive Neurology and Alzheimer's Disease Center, Northwestern University, Chicago, IL.
- 2009 *Understanding failures of declarative memory from a cognitive neuroscience perspective*. Text Comprehension Laboratory, DePaul University, Chicago, IL.
- 2006 *New perspectives on declarative memory in mild cognitive impairment and Alzheimer's disease*. Neuroendocrinology Laboratory, Medical University of Lübeck, Lübeck, Germany.
- 2006 *New perspectives on declarative memory in mild cognitive impairment and Alzheimer's disease*. Cognitive Neurology and Alzheimer's Disease Center, Northwestern University, Chicago, IL.

5. Other works not in print:

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

b. Works in progress:

Westerberg CE, \*Fickle SE, \*Troupe CE, \*Madden-Rusnak A, & Deason RG. *REM sleep during an afternoon nap facilitates analogical problem solving*.

Westerberg CE, \*Madden-Rusnak A, Marsolek CJ, & Deason RG. *The influence of an afternoon nap on priming and antipriming*.

## C. Grants and Contracts

### 1. Funded External Grants and Contracts:

- 2020-2023 Principal Investigator. McKnight Foundation for Neuroscience Memory and Cognitive Disorders Award. *Does superior sleep physiology contribute to superior memory function? Implications for counteracting forgetting*. \$300,000.
- 2011-2013 Supporting. American Health Assistance Foundation Alzheimer's Disease Pilot Research Grant. *Entrainment of Slow-Wave Sleep to Improve Memory in MCI*. Principal Investigator: Ken Paller. \$150,000.
- 2008-2010 Principal Investigator. American Health Assistance Foundation Alzheimer's Disease Research Grant. *Connections Between Memory Dysfunction and Sleep in Alzheimer's Disease*. \$100,000.
- 2007-2008 Principal Investigator. National Institute on Aging Pilot Project Grant for Northwestern University Cognitive Neurology and Alzheimer's Disease Center. *DC Stimulation to Improve Memory and Sleep in Alzheimer's Disease*. \$28,800.
- 2007-2008 Principal Investigator. State of Illinois Department of Public Health Alzheimer's Disease Research Fund. *Recognition Memory in Alzheimer's Disease: Examining the Neural Basis of Preserved Familiarity-Based Recognition in Mild Cognitive Impairment (year 2; competitive renewal)*. \$35,000.
- 2005-2006 Principal Investigator. State of Illinois Department of Public Health Alzheimer's Disease Research Fund. *Recognition Memory in Alzheimer's Disease: Examining the Neural Basis of Preserved Familiarity-Based Recognition in Mild Cognitive Impairment*. \$35,000.

### 2. Submitted External Grants and Contracts:

- 2023 Co-Principal Investigator. Grammy Foundation. *The role of sleep and musical training in music-related memory enhancements*. Co-Principal Investigator: Rebecca Deason. \$20,000.
- 2021 Co-Investigator. National Institutes of Mental Health U01. *Multicomponent intervention for Hispanic/Latino caregivers of people living with dementia*. Principal Investigator: Xi Pan. \$200,000.
- 2020, 2021 Co-Principal Investigator. Grammy Foundation. *How does sleep contribute to the enhancing effects of music on memory?* Co-Principal Investigator: Rebecca Deason. \$20,000.
- 2018 Principal Investigator. National Institute of Mental Health R15 AREA. *Clarifying the effects of sleep-dependent memory consolidation on source memory*. \$373,750.
- 2015 Principal Investigator. National Science Foundation Faculty Early Career Development Program. *Investigating the Selective Nature of Sleep-Dependent Consolidation of Memories with Emotional Content*. \$529,252.
- 2013, 2014 Principal Investigator. National Institute on Aging R03. *Contributions of Sleep-Dependent Memory Consolidation to Increased Reality-Monitoring Errors in Older Adults*. \$100,000.

- 2013, 2014 Consultant. NIH National Research Service Award (NRSA). *The effects of sleep loss on memory performance in older adults*. Principal Investigator: Stephanie Sherman, graduate student, University of Texas, Austin.
- 2013 Principal Investigator. National Science Foundation Faculty Early Career Development Program. *Investigating the Selective Nature of Declarative Memory Consolidation*. \$452,293.

### 3. Funded Internal Grants and Contracts:

- 2023 Supporting. Texas State University. *Exposure to Per- and Polyfluoroalkyl Substances (PFAS) on Cognitive Function in Firefighters in Central Texas*. Principal Investigator: Xi Pan. \$30,000.
- 2021 Co-Principal Investigator. Research Enhancement Program, Texas State University. *The contribution of sleep to music-related memory enhancements*. Co-Principal Investigator: Rebecca Deason. \$15,582.
- 2019 Co-Principal Investigator. Office of Research and Sponsored Programs, Texas State University. *A comprehensive psychosocial intervention for reducing burden in informal caregivers of people living with mild and moderate dementia*. Principal Investigator: Xi Pan. \$28,468.
- 2018 Principal Investigator. Research Enhancement Program, Texas State University. *Improving analogical problem solving through sleep*. \$8,000.
- 2016 Co-Investigator. Multidisciplinary Team Incentive, Texas State University. *Effects of indoor lighting interventions on sleep, well-being, and safety in older adults living independently in public housing*. Principal Investigator: Asha Hegde. \$2460.
- 2013 Principal Investigator. Research Enhancement Program, Texas State University. *Sleeping to Remember: A Novel Approach to Understanding Age-Related Memory Decline*. \$8,000.

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

- 2019, 2020 Co-Principal Investigator. Research Enhancement Program, Texas State University. *How does sleep contribute to the enhancing effects of music on memory in young and older adults?* Co-Principal Investigator: Rebecca Deason. \$16,000.
- 2017 Principal Investigator. Research Enhancement Program, Texas State University. *Improving analogical problem solving through sleep*. \$8,000.

### D. Fellowships, Awards, Honors:

- 2024-2025 Presidential Research Leave Award, Texas State University
- 2020 Excellence in Research Funding and Sponsored Programs, College of Liberal Arts, Texas State University
- 2018-2019 Presidential Research Leave Award, Texas State University
- 2018-2019 Grant and Proposal Writing Certificate, College of Liberal Arts, Texas State University
- 2015 Presidential Seminar Award, Texas State University
- 2015 Valero Award, Texas State University

- 2015 Presidential Distinction Award for Scholarly/Creative Activities, College of Liberal Arts, Texas State University
- 2014 Member (by election), Memory Disorders Research Society
- 2011, 2008 Duncan Prize for Memory Disorders Research, Cognitive Neurology and Alzheimer's Disease Center, Northwestern University
- 2008 Fellow, National Science Foundation ADVANCE workshop for women in science, Rice University
- 2006-2007 Postdoctoral Fellow National Research Service Award, National Institute of Mental Health, Northwestern University
- 2003-2005 Postdoctoral Trainee National Research Service Award, National Institute on Aging, Northwestern University
- 2004 Fellow, McDonnell Summer Institute in Cognitive Neuroscience, Dartmouth College
- 2002-2003 Doctoral Dissertation Fellow, Graduate School, University of Minnesota
- 2002 Graduate Research Partnership Fellow, College of Liberal Arts, University of Minnesota
- 1998-2001 Predoctoral Trainee National Research Service Award, National Institute of Mental Health and Human Development, Center for Cognitive Sciences, University of Minnesota
- 1998-2000 Gloria J. Randall Fellow in Cognitive Neuroscience, Psychology Department, University of Minnesota
- 1997 Honors in Psychology, Gustavus Adolphus College, St. Peter, MN

#### E. Scholarly/Creative Professional Development Activities Attended:

- 2023 Memory Disorders Research Society Annual Meeting, Los Angeles, CA
- 2022 McKnight Conference on Neuroscience, Aspen, CO
- 2021 McKnight Conference on Neuroscience, Aspen, CO
- 2020 2<sup>nd</sup> Annual International Sleep Replay Workshop, virtual
- 2019 International Sleep Replay Workshop, Northwestern University, Evanston, IL
- 2018 *Student Driven Mental Health Research with NIH's R15 Grants*, National Institutes of Health, virtual
- 2017 *Finding Success with NIH AREA (R15) Grants*, National Institutes of Health, virtual

#### F. Media Recognition:

- May 2022 Understanding the basis of superior memory. *Discover Magazine*.
- Sep 2021 Collaborative team explores links between sleep and memory. *Engaging Research Magazine*, Office of Research and Sponsored Programs, Texas State University.
- Jan 2021 Souvenirs of sleep: Psychology professor awarded funds for new sleep study analyzing superior memory. *University Star*.
- Dec 2019 Memory and cognitive disorders award to help Texas State researchers explore link between sleep and memory. *San Marcos Corridor News* and *University News Service, Texas State University*.
- Nov 2018 Sleep learning gets real. *Scientific American*.
- Nov 2017 Study raises questions about brain stimulation boosting memory. *The Scientist*.
- Apr 2012 Research suggests link between sleep abnormalities, memory deficiency. *University News Service, Texas State University*.
- Apr 2012 Research suggests link between sleep problems, memory. *San Marcos Daily Record*.
- Apr 2010 Sounds make memories stick during sleep. *Scientific American*.



## IV. SERVICE

### A. Institutional

#### 1. University

2022-present	Primary Convener, Alliance of Researchers in Aging
2022-2023	Dean of Liberal Arts Summative Review Committee
2022, 2023	Panel Chair, Undergraduate Research Conference, Honors College
2022	Interviewed about mental health and college athletics for a Texas State Communication Design class in visual storytelling
2021	Interviewed by two student teams from a Texas State theater class producing a web series on sleep and dreams
2019-present	Member, Alliance of Researchers in Aging
2019-2022	Piper Professor Committee
2018	<i>Innovation and Research in Your Backyard</i> , invited speaker, Bobcats United and Common Experience
2018	Judge, Writing Center Essay Contest, The Writing Center
2017	Psychology Department Respondent, International Research Conference for Graduate Students
2016	Psychology Department Representative, Men's Basketball Team recruiting event
2015	Distinguished Research Panelist, International Research Conference for Graduate Students

#### 3. Department

2021-present, Associate Chair, Psychology Department, Texas State University  
2019-2020

#### Texas State Psychology Department Committees:

2023-present	Chair, Psychology Day Committee
2023-present	Graduate Program Committee
2023	Chair, Administrative Assistant II Search Committee
2021-present	Chair, Promotion/Outreach Committee
2022-2023	Mentoring Program Committee
2022-2023	Psychology Tenure and Promotion Policy Review Committee
2021-2022	Co-Chair, Workload Policy Committee
2021-2022	Chair, Mentoring Program Committee
2021	Administrative Assistant III Search Committee
2020-2021	Mentoring Program Planning Committee
2020-2021	Promotion/Outreach Committee
2020	Technical Support Person Search Committee
2019-2020	Chair, Faculty Review Committee
2019	Open Area Faculty Search Committee
2017-2019	Faculty Review Committee
2017-present	Personnel Committee
2017-2018	Colloquium Committee
2017-2018	Chair, Psychology Day Committee
2016-2017	Psychology Day Committee
2014-2017	Master of Arts in Psychological Research Committee
2013-2014	Human Factors and Applied Experimental Psychology Faculty Search Committee

2012-2013 Undergraduate Curriculum Committee  
 2012-2013 Human Experimental Psychology Faculty Search Committee  
 2011-2012 Colloquium Committee

Other committees:

2004-2006 Northwestern University Institute for Neuroscience Postdoc Steering Committee  
 2001-2002 University of Minnesota Psychology Department Faculty Search Committee  
 2001-2002 University of Minnesota Center for Cognitive Sciences Governing Council

Other Departmental Activities:

2022-2023 Faculty mentor, grant writing  
 2022 Guest speaker, Psi Chi  
 2023, 2022, Guest speaker, Psychology Association  
 2021, 2017  
 2021 Judge, Psychology Department Digital Student Poster Showcase  
 2018 Contributor, Psychology Department 50<sup>th</sup> Anniversary Video  
 2015 Organized external speaker for Psychology Brown Bag Research Seminar  
 2014-2016 Psychology Representative, Texas State-Lockard Health Project  
 2014 Organized external speaker for Psychology Department Colloquium  
 2013-2014 Contributor, Master of Arts in Psychological Research promotion video

B. Professional:

Ad hoc Manuscript Reviewer (52 journals):

*Aging, Neuropsychology, and Cognition; AIMS Medical Science; AIMS Neuroscience; Alzheimer's Disease and Associated Disorders; American Journal of Alzheimer's Disease and Other Dementias; Artificial Intelligence in Medicine; BMC Neuroscience; Brain & Cognition; Brain Communications; Brain Impairment; Brain Research; Cerebral Cortex; Cognition; Cognitive Neuroscience; Dementia and Geriatric Cognitive Disorders; Experimental Brain Research; Frontiers in Aging Neuroscience; Frontiers in Behavioral Neuroscience; Frontiers in Sleep; Hippocampus; International Journal of Clinical and Experimental Hypnosis; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of General Psychology; Journal of Geriatric Psychiatry & Neurology; Journal of Gerontology: Medical Sciences; Journal of Gerontology: Psychological Sciences; Journal of Neurology & Neuromedicine; Journal of Neuroscience; Journal of Psychiatry; Journal of the International Neuropsychological Society; Journal of the Neurological Sciences; Learning & Memory; Learning and Motivation; Memory; Memory & Cognition; Nature and Science of Sleep; Nature Neuroscience; Neurobiology of Aging; Neurobiology of Disease; Neurobiology of Sleep and Circadian Rhythms; NeuroImage; Neuropsychologia; Neuropsychology; Neuropsychology Review; Plos One; Psychophysiology; Quarterly Journal of Experimental Psychology; Sleep; Sleep Medicine; Sleep Medicine Reviews; Undergraduate Research*

Grant Panel Member:

Spring 2022 National Science Foundation  
 Winter 2019 National Science Foundation Graduate Fellowship Program

Ad hoc Grant Reviewer:

2023, 2019, National Science Foundation  
 2018  
 2019, 2012 Netherlands Organisation for Scientific Research  
 2016 Netherlands Organisation for Health Research and Development

#### Conference Session Chair/Moderator:

- 2023 Armadillo: Southwest Cognition and Cognitive Neuroscience Society Meeting
- 2021, 2022 Dallas and Austin Area Memory Meeting
- 2020 Annual Meeting of the Psychonomic Society

#### Abstract/Award Reviewer:

- 2023 Graduate Student Conference Award, Psychonomic Society annual meeting
- 2022 Abstracts for SLEEP 2023, Associated Professional Sleep Societies annual meeting
- 2021 Abstracts for SLEEP 2022, Associated Professional Sleep Societies annual meeting
- 2020 Graduate Student Conference Award, Psychonomic Society annual meeting
- 2019 Yates Travel Award, Psychonomic Society annual meeting
- 2016 Spearman Medal, British Psychological Society

#### Textbook Reviewer:

- 2023 Ebsco/Salem Press, *Pathways to Research* article on Nostalgia
- 2019 Provided endorsements for *Cognition: The Thinking Animal, 4<sup>th</sup> Ed.*, (Willingham & Reiner, 2019).
- 2018 Provided endorsements for *The Mind's Machine: Foundations of Brain and Behavior, 3<sup>rd</sup> Ed.* (Watson & Breedlove, 2019).
- 2018 *The Mind's Machine: Foundations of Brain and Behavior, 3<sup>rd</sup> Ed.* (Watson & Breedlove, 2019), prior to release.
- 2018 *Principles of Cognitive Neuroscience, 2<sup>nd</sup> Ed.* (Purves, Cabeza, Huettel, LaBar, Platt, & Woldorff, 2013) for preparation of 3<sup>rd</sup> Edition.
- 2018 Two chapters of *Cognition: The Thinking Animal, 4<sup>th</sup> Ed.* (Willingham & Reiner, 2019), prior to release.
- 2017 Three chapters of *Cognition: The Thinking Animal, 4<sup>th</sup> Ed.* (Willingham & Reiner, 2019), prior to release.
- 2017 *The Mind's Machine: Foundations of Brain and Behavior, 2<sup>nd</sup> Ed.* (Watson & Breedlove, 2015) for preparation of 3<sup>rd</sup> Edition.
- 2015 Provided endorsements for *The Mind's Machine: Foundations of Brain and Behavior, 2<sup>nd</sup> Ed.* (Watson & Breedlove, 2015).
- 2013 Active learning problem sets for Neurobiology courses for Sinauer Associates.
- 2013 *The Mind's Machine: Foundations of Brain and Behavior* (Watson & Breedlove, 2012), for preparation of 2<sup>nd</sup> Edition.

#### C. Community:

- 2023 Facilitated panel presentation on Aging Well at Price Center, San Marcos, TX
- 2022 San Marcos Senior Citizen's Expo, booth for Alliance of Researchers in Aging
- 2017 San Marcos High School Psychology Club lab tour and research introduction
- 2016 Faculty mentor for 8<sup>th</sup> grader, Jefferson County Open School, Lakewood, CO
- 2015 Texas State University Psychology Department Team Captain, Walk to End Alzheimer's Disease, Alzheimer's Association, Capital of Texas Chapter
- 2015 Faculty mentor for 7<sup>th</sup> grader, Khabele School, Austin, TX
- 2013 San Marcos High School Psychology Club lab tour and research introduction
- 2007 Science Fair Judge, Lincoln Hall Middle School, Lincolnwood, IL

#### D. Organization Memberships:

Cognitive Neuroscience Society  
Memory Disorders Research Society

Phi Beta Kappa  
Psychonomic Society  
Sleep Research Society  
Society for Neuroscience

E. Service Honors and Awards:

2021	Ten years of service, Texas State University
2014	College Achievement Award for Excellence in Service, College of Liberal Arts, Texas State University
2000, 2002	James J. Jenkins Award for extraordinary contributions to the Center for Cognitive Sciences, University of Minnesota