

B. HUNTER BALL

University of Texas at Arlington
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EMPLOYMENT, TRAINING, & EDUCATION

2018 – *Pres* Assistant Professor, *University of Texas at Arlington*
2015 – 2018 Postdoctoral Research Scholar, *Washington University in St. Louis*
2011 – 2015 Ph.D., Cognitive Psychology, *Arizona State University*
2009 – 2011 M.S., Cognitive Psychology, *University of Georgia*
2005 – 2009 B.S., Psychology, *University of Georgia*

RESEARCH INTERESTS

My research investigates individual differences and age-related changes in the memory and attention control processes involved in the planning and coordination of future actions (i.e., prospective memory), encoding and retrieval of information in long-term memory (i.e., episodic memory), and monitoring and regulation of one's own cognition (i.e., metamemory).

HONORS, AWARDS, & DISTINCTIONS

2024 President's Award for Excellence in Teaching Nominee, University of Texas at Arlington
2023 Recipient of College of Science Outstanding Teacher Award, University of Texas at Arlington
2022 External Fellow of the Center for Vital Longevity, University of Texas at Dallas
2022 - 2023 Early Career Award Nominee, Psychonomic Society
2021 - 2022 College of Science Outstanding Teacher Award Nominee, University of Texas at Arlington
2021 - 2022 University Outstanding Teacher Award Nominee, University of Texas at Arlington
2021 Creator and host of virtual *International Prospective Memory Conference*
2020 – 2021 Creator and host of virtual *International Prospective Memory Seminar* – a weekly talk series
2020 Chair of *Prospective Memory Offloading* Symposium: Annual Meeting of the Psychonomic Society
2019 – 2021 President of Southeastern Workers in Memory
2019 Junior Keynote Address given at SEPA's meeting for Southeastern Workers in Memory
2018 Designated as Psychonomic Society Fellow
2015 National Institute on Aging Training Grant Fellowship, Washington University in St. Louis
2013 – 2014 Graduate and Professional Student Association Travel Grant Award, Arizona State University
2013 Graduate Education Travel Grant Award, Arizona State University
2013 Network for Social Network Analysis Travel Grant Award, Arizona State University
2011 Research Excellence Enhancement, Arizona State University
2009 – 2010 Graduate Student Travel Grant Recipient, University of Georgia

RESEARCH

RESEARCH SUPPORT (Funded)

2022 - 2026 National Institutes of Health (R16GM146705)
Using Cognitive Offloading to Mitigate Age-Related Declines in Prospective Memory

- 2023 - 2026 Role: Sole PI; Amount Awarded: \$770,000 total cost
National Institutes of Health (R16GM146705)
Using Cognitive Offloading to Mitigate Age-Related Declines in Prospective Memory: Administrative Supplement for Equipment Purchase
Role: Sole PI; Amount Awarded: \$62,455 total cost
- 2022 – 2023 University of Texas at Arlington Research Interdisciplinary Research Program grant
Leveraging Multimodal Biometric Sensing to Detect and Correct Attention and Memory Failures
Role: Co-I; Amount Awarded: \$20,000 total cost
- 2019 – 2021 University of Texas at Arlington Research Enhancement Program grant
The Effects of Cognitive Training on Prospective Memory Ability in Individuals at Risk for Alzheimer's Disease
Role: Sole PI; Amount Awarded: \$9,880 total cost
- 2019 – 2021 University of Texas at Arlington Research Interdisciplinary Research Program grant
Using Arts and Social Sciences to Enhance Social Companion Robots' Adaptive Abilities to Improve Health Outcomes
Role: Co-PI; Amount Awarded: \$19,911 total cost

PUBLICATIONS (+Denotes Graduate Student; *Denotes Undergraduate/Honors Student); **click title to access PDF**

44. Dupre*, C. & Peper⁺, P., & **Ball, B.H.** (2023). The role of offloading intentions on future-oriented thinking. *Psychonomic Bulletin & Review*. PMID: 38049573
43. Robison, M.K., Celaya, X., **Ball, B.H.**, & Brewer, G.A. (2023). Task sequencing does not systematically affect the factor structure of cognitive abilities. *Psychonomic Bulletin & Review*. PMID: 37653281
42. **Ball, B.H.**, Peper⁺, P., Bugg, M.J. (2023). Dissociating proactive and reactive control processes in older adults. *Psychology & Aging*, 38(4), 323-332. PMID: 37104786
41. Peper⁺, P., & **Ball, B.H.** (2023). Strategic monitoring improves prospective memory: a meta-analysis. *Quarterly Journal of Experimental Psychology*. PMID: 37010132
40. **Ball, B.H.**, Wiemers, L., & Brewer, G.A. (2022). Individual differences in memory and attention processes in prospective remembering. *Psychonomic Bulletin & Review*; 29(3), 922-933. PMID: 35091994
39. **Ball, B.H.**, Peper⁺, P., Alakbarova⁺, D., Gilbert, S., & Brewer, G.A. (2022). Individual differences in working memory predicts benefits to memory from intention offloading. *Memory*, 30(2), 77-91. PMID: 34665690
38. Garlitch, S., Richmond, L.L., **Ball, B.H.**, & Wahlheim, C.N. (2022). Adult age differences in metacognitive monitoring in dual-list free recall. *Memory*, 1-16. PMID: 36308518
37. Peper⁺, P., Alakbarova⁺, D., & **Ball, B.H.** (2022). Benefits from prospective memory offloading depend on memory load and reminder type. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 49(4), 590-606. PMID: 36201804
36. Robison, M.K., Diede, N.T., Nicosia, J., **Ball, B.H.**, & Bugg, J.M. (2022). A multimodal analysis of sustained attention in younger and older adults. *Psychology & Aging*, 3, 307-325. PMID: 35446084
35. Alakbarova⁺, D., Hicks, J., & **Ball, B.H.** (2021). The influence of semantic context on false memories. *Memory and Cognition*, 49(8), 1555-1567. PMID: 33959893
34. **Ball, B.H.**, Robison, M.K., Coulson*, A. & Brewer, G.A. (2021). Individual differences in disqualifying monitoring underlie false recognition of associative and conjunction lures. *Memory & Cognition*, 50(4), 751-764. PMID: 34713420

33. Richmond, L. R., Burnett, L. K., Morrison, A. B., & **Ball, B.H.** (2021). Performance on the processing portion of complex working memory span tasks is related to working memory capacity estimates. *Behavioral Research Methods*, 54(2), 780-794. PMID: 34355351
32. **Ball, B.H.**, Vogel*, A., Ellis, D., & Brewer, G.A. (2020). Wait a second...boundary conditions on delayed responding theories of prospective memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 47(5), 858–877. PMID: 33180526
31. Ellis, D.M., **Ball, B.H.**, Kimpton*, N., Brewer, G.A. (2020). The role of working memory capacity in analytic and multiply-constrained problem solving in demanding situations. *Quarterly Journal of Experimental Psychology*, 73(6), 920-928.
30. Scullin, M, **Ball, B.H.**, & Bugg, J.M. (2020). Structural correlates of commission errors in prospective memory. *Cortex*, 124, 44-53. PMID: 31835162
29. **Ball, B.H.**, Li*, P., & Bugg, M. J. (2019). Aging and strategic prospective memory monitoring. *Memory and Cognition*, 48(3), 370-389. PMID: 31628616
28. **Ball, B.H.**, Vogel*, A., Brewer, G.A. (2019). Individual differences in prospective memory. In *Current Issues in Memory: Prospective Memory*. Taylor and Francis: Psychology Press.
27. **Ball, B.H.** & Bugg, M. J. (2018). Aging and the strategic use of context to control prospective memory monitoring. *Psychology & Aging*, 33(3), 527-544. PMID: 29756806
26. **Ball, B.H.**, & Bugg, M. J. (2018). Context cue focality influences strategic prospective memory monitoring. *Psychonomic Bulletin & Review*, 25(4), 1405-1415. PMID: 29435962
25. **Ball, B.H.**, Pitaes, M., Brewer, G.A. (2018). Individual differences in episodic memory abilities predict successful prospective memory output monitoring. *Memory*, 26(8), 1159-1168. PMID: 29415613
24. Berisha, V., Gilton, D. Baxter, L. C., Corman, S. R., Blais, C., Brewer, G.A., **Ball, B.H.**, Wingert, K., Peter, B., Rogalsky, C. (2018). Structural neural predictors of Farsi-English bilingualism. *Brain & Language*, 180-182, 42-49. PMID: 29723828
23. Wingert, K., Blais, C., **Ball, B.H.**, Brewer, G.A. (2018). Working memory cannot regulate overt emotional capture. *Acta Psychologica*, 185, 52-64. PMID: 29407245
22. **Ball, B.H.**, & Brewer, G.A. (2017). Proactive control processes in event-based prospective memory: Evidence from intraindividual variability and ex-Gaussian analyses. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 44(5), 793-811. PMID: 29239624
21. **Ball, B.H.**, & Aschenbrenner, A. (2017). The importance of age-related differences in prospective memory: Evidence from diffusion model analyses. *Psychonomic Bulletin & Review*, 25(3), 1114-1122. PMID: 28600714
20. Brewer, G.A., Lau*, K., Wingert, K., **Ball, B.H.**, Blais, C. (2017). Examining depletion theories under conditions of within-task transfer. *Journal of Experimental Psychology: General*, 146(7), 988. PMID: 28447841
19. Bugg, M. J. & **Ball, B.H.** (2017). The strategic control of prospective memory monitoring in response to complex and probabilistic contextual cues. *Memory & Cognition*, 45(5), 755-775. PMID: 28275948
18. Wahlheim, C. N., **Ball, B.H.**, & Richmond, L.L. (2017). Adult age differences in response production and monitoring in dual-list free recall: Externalized free recall with confidence. *Psychology & Aging*, 32(4), 338. PMID: 28206784
17. Brewer, G.A. **Ball, B.H.**, Ware*, J.M. (2016). Individual differences in working memory capacity and shooting behavior. *Journal of Applied Research in Memory and Cognition*, 5(2), 185-191.

16. Knight, J.B., Brewer, G.A., **Ball, B.H.**, DeWitt, M.R. (2015). The influence of mood on the process and content of encoding future intentions. *Quarterly Journal of Experimental Psychology*, 68(6), 1082-1100. PMID: 25572897
15. **Ball, B.H.**, Brewer, G.A., Loft, S., & Bowden, V. (2014). Uncovering continuous and transient monitoring profiles in event-based prospective memory. *Psychonomic Bulletin & Review*, 22(2), 492-499. PMID: 25100232
14. **Ball, B.H.**, DeWitt, M.R., Knight, J.B., Hicks, J. L., & Marsh, R.L. (2014). Encoding and retrieval processes involved in the access of source information in the absence of item memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*. 40(5), 1271-86.
13. **Ball, B.H.**, Klein*, K., Brewer, G.A. (2014). Processing fluency mediates the influence of perceptual information on monitoring learning of educationally-relevant materials. *Journal of Experimental Psychology: Applied*, 20(4), 336. PMID: 25347408
12. Cook*, C., **Ball, B.H.**, & Brewer, G.A. (2014). No effects of executive control depletion on prospective memory attention and retrieval processes. *Consciousness & Cognition*, 27, 121-28. PMID: 24844971
11. Frank, D.W., DeWitt, M.R., Hudgens-Haney, M., Schaeffer, D.J., **Ball, B.H.**, Schwartz, N., Hussein, L.M., Sabatinelli, D. (2014). Emotion regulation: Quantitative meta-analysis of functional activation and deactivation. *Neuroscience & Biobehavioral Reviews*, 45, 202-11.
10. Loft, S., Bowden, V., **Ball, B.H.**, Brewer, G.A. (2014). Fitting an ex-Gaussian function to costs in event-based prospective memory: Evidence for a continuous monitoring profile. *Acta Psychologica*, 152, 177-182.
9. Mennega, S.E., Baxter, L.C., Grunfeld, I.S., Brewer, G.A., Aiken, L.S., Engler-Chiurazzie, E.B., Camp, B.W., Acosta, J.I., Braden, B.B., Schaefer, K.R., Gerson, J.E., Lavery, C.N., Tsang, C.W.S., Hewitt, L.T., Kingston, M.L., Koebele, S.V., Patten, K.J., **Ball, B.H.**, McBeath, M.K., Bimonte-Nelson, H.A. (2014). Navigating to new frontiers in behavioral neuroscience: Traditional neuropsychological tests predict human performance on a rodent-inspired radial-arm maze. *Frontiers in Behavioral Neuroscience*, 8, 294. PMID: 25249951
8. **Ball, B.H.**, Knight, J.B., DeWitt, M.R., & Brewer, G.A. (2013). Individual differences in the delayed execution of prospective memories. *Quarterly Journal of Experimental Psychology*, 66(12), 2411-25. PMID: 23679085
7. Corman, S., **Ball, B.H.**, Talboom, K. M., & Brewer, G.A. (2013). Assessing two-mode semantic network story representations using a false memory paradigm. *Workshop on Computational Models of Narrative, OASICS-OpenAccess Series in Informatics*, 32.
6. DeWitt, M.R., Hicks, J.L., **Ball, B.H.**, Knight, J.B., & Marsh, R.L. (2012). Encountering items previously paired with prospective memory target events can serve to reactivate intentions. *Journal of Cognitive Psychology*, 24(8), 981-990.
5. Knight, J.B., **Ball, B.H.**, Brewer, G.A., DeWitt, M.R., & Marsh, R.L. (2012). Testing unsuccessfully: A specification of the underlying mechanisms supporting its influence on retention. *Journal of Memory and Language*, 66(4), 731-746.
4. Johnson, K.A., **Ball, B.H.**, Brewer, G.A., & Cohen, A.B. (2012). Motivational and neural systems of religion: Commentary. *Religion, Brain, and Behavior*, 1(3), 227-231.
3. **Ball, B.H.**, Marsh, R.L., Meeks, J. T., Hicks, J.L. (2011). The reactivation of associated information affects source monitoring. *Memory & Cognition*, 39, 818-826. PMID: 21286898
2. DeWitt, M.R., Knight, J.B., Hicks, J.L., & **Ball, B.H.** (2011). The effects of prior knowledge on the encoding of episodic contextual details. *Psychonomic Bulletin & Review*, 19(2), 251. PMID: 22231723
1. Brewer, G.A., **Ball, B.H.**, Knight, J.B., DeWitt, M.R., & Marsh, R.L. (2011). Divided attention interferes with fulfilling activity-based intentions. *Acta Psychologica*, 138(1), 100-105. PMID: 21704959

3. **Ball, B.H.**, & Peper⁺, P. (Invited Resubmission). Cost avoidance underlies the decisions to use prospective memory reminders. *Memory & Cognition*.
2. **Ball, B.H.**, Peper⁺, P., & Bugg, J.M. (Submitted). On the perceived effort of strategic prospective memory monitoring. *Psychonomic Bulletin & Review*
1. Peper⁺, P., & **Ball, B.H.** (Submitted). Great expectations: anticipating a reminder influences prospective memory encoding and unaided retrieval. *Journal of Experimental Psychology: Learning, Memory, & Cognition*.

MANUSCRIPTS IN PREPARATION

8. Alakbarova⁺, D., & **Ball, B.H.** (Submitted). Spaced retrieval improves retention and transfer of foreign vocabulary. *Memory & Cognition*.
7. Alakbarova⁺, D., Peper⁺, P., & **Ball, B.H.** (Submitted). Metacognitive monitoring and control processes underlying generation-potentiated learning. *Journal of Memory & Language*.
6. **Ball, B.H.**, Dupre⁺, C. & Peper⁺, P. (In Preparation). Aging and prospective memory offloading.
5. **Ball, B.H.**, Peper⁺, P., Ciesielski, C., & Hargis, M. (In Preparation). Metacognitive monitoring and control processes with time-based prospective memory reminders.
4. Mohammed^{*}, R. Dupre⁺, C., **Ball, B.H.** (In Preparation). Prospective memory reminders increase repetition errors, but reduce omission errors.
3. Richmond, L.L., Burnett, L.K., Kearley, J., Gilbert, S.J., Morrison, A.B., & **Ball, B.H.** (In Preparation). Individual differences in cognitive and metacognitive correlates of cognitive offloading.
2. Sharma^{*}, A. & **Ball, B.H.** (In Preparation). Individual differences in naturalistic prospective memory offloading.
1. Wiemers, E. & **Ball, B.H.** (In Preparation). Aging and prospective memory training.

INVITED TALKS

9. Peper, P., & **Ball, B.H.** (August, 2023). *Prospective Memory Reminders and "Digital Amnesia"*. Invited talk for the "Cognitive Offloading and Strategy Use in Prospective and Retrospective Memory" symposium at the SARMAC Conference, Nagoya, Japan.
8. **Ball, B.H.**, Peper, P., & Robison, M.K. *Aging and Prospective Memory Offloading* (March, 2022). Invited talk for the "Supporting Older Adults Learning" symposium at the Cognitive Aging Conference, Atlanta, Georgia.
7. **Ball, B.H.** *Aging and Prospective Memory* (March, 2022). Invited talk for the Center for Vital Longevity at the University of Texas, Dallas.
6. **Ball, B.H.** *The Role of Memory and Attention in Prospective Memory* (October, 2021). Invited talk for the Department of Psychology at New Mexico State University.
5. **Ball, B.H.**, Peper, P., Alakbarova, D., Brewer, G.A. *Offloading of Prospective Memory Intentions* (November, 2020). Talk given during Prospective Memory Offloading symposium at the annual meeting of the Psychonomic Society.
4. **Ball, B.H.** *Zooming in on Control in Prospective Memory by Investigating Individual and Age Differences* (October, 2018). Invited talk for the Department of Psychology at Texas A&M University-Commerce.

3. **Ball, B.H.** *Individual Differences in Prospective Memory* (March, 2019). Junior keynote address to be given at annual Southern Workers in Memory symposium of the Southeastern Psychological Association.
2. **Ball, B.H.** *Individual Differences in Prospective Remembering* (September, 2018). Invited talk: University of Texas at Arlington departmental colloquium, Arlington, Texas.
1. **Ball, B.H.** *Attention, Memory, and Aging* (February, 2019). Faculty research symposium at University of Texas at Arlington departmental colloquium, Arlington, Texas.

CONFERENCE PRESENTATIONS

78. Dupre, C., Peper, P. & **Ball, B.H.** (November, 2023). *The Role of Offloading on Future-Oriented Thinking*. Poster presented at the annual meeting of the Psychonomic Society, San Francisco, California.
77. Burnett, L.K., **Ball, B.H.**, Kearley, J., Gilbert, S.J., Morrison, A.B., Richmond, L.L. (November, 2023). *Individual Differences in Cognitive and Metacognitive Correlates of Cognitive Offloading*. Poster presented at Symposium for Individual Differences in Cognition, San Francisco, California.
76. Alakbarova, D., & **Ball, B.H.** (October, 2023). *Spaced Retrieval Improves Retention and Transfer of Foreign Vocabulary*. Poster presented at the annual ARMADILLO Conference, San Marcos, Texas.
75. Pham, K., Peper, P., & **Ball, B.H.** (October, 2023). *When Prospective Memory Reminders Fail*. Poster presented at the annual ARMADILLO Conference, San Marcos, Texas.
74. Mohammed, R., Dupre, C.B., Bugg, J.M, **Ball, B.H.** (October, 2023). *Offloading Increases Prospective Memory Repetition Errors*. Poster presented at the annual ARMADILLO Conference, San Marcos, Texas.
73. Dupree, C., Peper, P., **Ball, B.H.** (March, 2023). *Lure interference in prospective memory reminders*. Poster presented at the annual SWPA Conference, Frisco, Texas.
72. Sharma, A., Peper, P., **Ball, B.H.** (March, 2023). *Prospective memory reminders: Too much of a good thing?* Poster presented at the annual SWPA Conference, Frisco, Texas.
71. Peper, P., Bugg, J.M, **Ball, B.H.** (February, 2023). *Dissociating proactive and reactive control in older adults*. Poster presented at the bi-annual Dallas Aging Conference, Dallas, Texas
70. Peper, P., & **Ball, B.H.** (November, 2022). *Prospective memory reminders: Too much of a good thing?* Poster presented at the annual meeting of the Psychonomic Society, Boston, Massachusetts.
69. Wiemers, E., & **Ball, B.H.** (November, 2022). *Prospective memory training with older adults*. Talk given at the annual meeting of the Psychonomic Society, Boston, Massachusetts.
68. Dupree, C., Peper, P., Ball, H. (October, 2022). *Lure interference in prospective memory reminders*. Poster presented at the annual ARMADILLO Conference, Stephenville, Texas.
67. Sharma, A., Peper, P., Ball, **B.H.** (October, 2022). *Prospective memory reminders: Too much of a good thing?* Poster presented at the annual ARMADILLO Conference, Stephenville, Texas.
66. Garlitch, S., Richmond, L. L., **Ball, B.H.**, & Wahlheim, C. N. (2021, November). *Adult age differences in the dynamics of context retrieval: subjective remembering in dual-list free recall*. Poster presented at the annual meeting of the Psychonomic Society. Virtual.
65. Peper, P., & **Ball, B.H.** (2021, November). *Mechanisms of effective prospective memory offloading*. Poster presented at the annual meeting of the Psychonomic Society. Virtual.

64. Wiemers, E. A., & **Ball, B.H.** (2021, November). *Proactive interference in prospective memory*. Poster presented at the annual meeting of the Psychonomic Society. Virtual.
63. Alakbarova, D., Peper, P., & **Ball, B.H.** *Monitoring and Control of Study in Generation-Potentiated Learning* (November, 2021). Poster presented at the annual meeting of the Psychonomic Society, online.
62. Wiemers, E. A., & **Ball, B.H.** (2021, September). *Proactive interference in prospective memory*. Talk given at the annual ARMADILLO Conference. Virtual.
61. Peper, P., & **Ball, B.H.** *Strategic prospective memory monitoring: A meta-analysis* (September, 2021). Poster presented at the annual ARMADILLO Conference, online.
60. Edwards, S., Alakbarova, D. & **Ball, B.H.** *Explicit metacognitive awareness for enhanced processing strategies* (September, 2021). Poster presented at the annual ARMADILLO Conference, online.
59. Alakbarova, D., Peper, P., & **Ball, B.H.** *The influence of semantic context on false memories* (September, 2021). Poster presented at the annual ARMADILLO Conference, online.
58. Peper, P., Ciesielski, C., & Hargis, M., & **Ball, B.H.**, (2021, August). *The effectiveness of time-based prospective memory reminder depends on temporal proximity*. Poster presented at the meeting of the International Prospective Memory Seminar. Virtual.
57. Wiemers, E. A., Brewer, G. A., & **Ball, B.H.**, (2021, August). *Individual differences in memory and attention processes in prospective remembering*. Talk given at the meeting of the International Prospective Memory Seminar. Virtual.
56. Alakbarova, D., Peper, P., & **Ball, B.H.** *Metacognitive Insights into Learning Improvements Across Study Blocks* (April, 2021). Poster presented at the annual Discover Science conference, online.
55. Edwards, S., Alakbarova, D. & **Ball, B.H.** *Explicit metacognitive awareness for enhanced processing strategies* (April, 2021). Poster presented at the annual Discover Science conference, online.
54. Peper, P., & **Ball, B.H.** *Differential prospective memory benefit of reminders depending on cognitive load* (April, 2021). Poster presented at the annual Discover Science conference, online.
53. Burnett, L.K., Richmond, L.L., Morrison, A.B., & **Ball, B.H.**, *Performance on the Processing Portion of Complex Working Memory Span Tasks is Related to Working Memory Capacity Estimates*. Poster presented at the annual meeting of the Psychonomic Society, online.
52. Alakbarova, D., Peper, P., & **Ball, B.H.** *Generating Learning Improvements* (November 2020). Poster presented at the annual meeting of the Psychonomic Society, online.
51. Peper, P., Alakbarova, D., & **Ball, B.H.** *The Role of Offloading on Prospective Memory* (November 2020). Poster presented at the annual meeting of the Psychonomic Society, online.
50. **Ball, B.H.**, Alakbarova, D., Peper, P., Robison, Brewer, G.A.. *Domain General Monitoring Processes Underlie Individual Differences in False Memory* (October, 2020). Talk given at the annual ARMADILLO Conference.
49. Alakbarova, D., Peper, P., & **Ball, B.H.** *Metacognitive Insights into Learning Improvements Across Study Blocks* (October 2020). Talk given at the annual ARMADILLO Conference.
48. Peper, P., Alakbarova, D., & **Ball, B.H.** *The Role of Offloading on Prospective Memory*. (October 2020). Talk given at the annual ARMADILLO Conference.
47. Alakbarova, D., Peper, P., & **Ball, B.H.** *Generation Effect in Vocabulary* (April 2020; canceled). Poster accepted at the annual Southwestern Psychological Association Conference, Frisco, TX.

46. Peper, P., Alakbarova, D., & **Ball, B.H.** *Use of Reminders in an Event-Based Prospective Memory Task* (April 2020; *anceled*). Poster accepted at the annual Southwestern Psychological Association Conference, Frisco, TX.
45. Alakbarova, D., Peper, P., & **Ball, B.H.** *Generation Effect in Vocabulary Tests* (March 2020; *anceled*). Poster accepted at the Annual Celebration of Excellence by Students Symposium, Arlington, TX.
44. Peper, P., Alakbarova, D., & **Ball, B.H.** *Reminders and Prospective Memory Load* (March 2020; *anceled*). Poster accepted at the Annual Celebration of Excellence by Students Symposium, Arlington, TX.
43. **Ball, B.H.** *Offloading of Prospective Memory Intentions* (October, 2019). Talk given at the annual ARMADILLO Conference, San Antonio, Texas.
42. Estrada, D., & **Ball, B.H.** & Brewer, G.A. *Role of Self Selection in Prospective Memory Encoding* (April, 2019). Poster presented at UTA's Annual Celebration of Excellence by Students.
41. **Ball, B.H.** & Brewer, G.A. *Metacognitive Influences on Age Differences in Prospective Remembering: The Role of Self-Selecting Cues* (January, 2019). Poster presented at the Dallas Aging and Cognition Conference.
40. **Ball, B.H.**, Vogel, A., Ellis, D., & Brewer, G. A. *Wait a Second...Boundary Conditions on Delayed Responding Theories of Prospective Memory* (November, 2018). Talk given at the annual meeting of the Psychonomic Society, New Orleans, Louisiana.
39. **Ball, B.H.** *Boundary Conditions of Prospective Memory* (September, 2018). Talk given at the annual ARMADILLO Conference, Houston, Texas.
38. Brewer, G.A., & **Ball, B.H.** *Subjective Control over Encoding Influences Event-Based Prospective Memory Cue Detection* (July, 2018). Theoretical and Applied Advances in Prospective Memory Research, Heidelberg, Germany.
37. **Ball, B.H.**, Bugg, J. M. *Examining Age Differences in Inhibitory and Preparatory Strategic Prospective Memory Monitoring Processes* (March, 2018). Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
36. **Ball, B.H.**, Brewer, G.A. *Moving Beyond the Mean: An Overview of Alternative Techniques to Examine Ongoing Tasks Costs in Event-Based Prospective Memory* (January, 2018). Talk given at the International Conference of Prospective Memory, Melbourne, Australia.
35. **Ball, B.H.**, Brewer, G.A. *Self-Controlled Encoding Facilitates Prospective Remembering* (January, 2018). Poster presented at the International Conference of Prospective Memory, Melbourne, Australia.
34. O'Rourke, H., **Ball, B.H.**, Pitaes, M., Brewer, G.A. *A Comparison of Quantitative Methods for Assessing Costs in Event-Based Prospective Memory Tasks* (January, 2018). Talk given at the International Conference of Prospective Memory, Melbourne, Australia.
33. **Ball, B.H.**, Bugg, M. J. *Context Cue Focality Influences Strategic Prospective Memory Monitoring* (November, 2017). Poster presented at the annual meeting of the Psychonomic Society, Vancouver, Canada.
32. **Ball, B.H.**, Bugg, M. J. *Context-Specific Prospective Memory Monitoring in Young and Older Adults* (November, 2016). Poster presented at the annual meeting of the Psychonomic Society, Boston, Massachusetts.
31. **Ball, B.H.** *Prospective Memory Monitoring Processes in Young and Older Adults* (June, 2016). Talk given at the Show-Me Mental State Conference on Cognition, Columbia, Missouri.
30. **Ball, B.H.**, Bugg, M. J. *Influence of Importance on Age-Related Differences in Prospective Memory Monitoring and Cue Detection* (April, 2016). Poster presented at the Cognitive Aging Conference, Atlanta, Georgia.
29. Bugg, M. J., **Ball, B.H.** *Strategic Control of Prospective Memory Monitoring Processes in Young and Older Adults* (April, 2016). Talk given at the Cognitive Aging Conference, Atlanta, Georgia.

28. Brewer, G.A., Wingert, K., **Ball, B.H.**, Ware, J. *How Individual Differences in Working Memory Influence Decisions to Shoot* (April, 2016). Talk given at the annual meetings of the Society for Industrial and Organizational Psychology, Anaheim, California.
27. Wingert, K., **Ball, B.H.**, Blais, C., Brewer, G.A. *Negative Arousing Images Impair Working Memory Encoding* (November, 2015). Poster presented at the annual meeting of the Psychonomic Society, Chicago, Illinois.
26. Johnson, K. A., **Ball, B.H.**, Cohen, A. B., Okun, M. A. *Abstract God Representations* (February, 2015). Poster presented at the annual meeting of the Society for Personality and Social Psychology, Long Beach, California.
25. **Ball, B.H.**, Brewer, G.A. *Source Monitoring Abilities Mediate the Relationship Between Working Memory and False Memories via Recollection Rejection Strategies* (November, 2014). Poster presented at the annual meeting of the Psychonomic Society, Long Beach, California.
24. Duarte, A., **Ball, B.H.**, Brewer, G.A., & Unsworth, N. *A Note on the Relation Between Complex Span and N-Back Tasks* (November, 2014). Poster presented at the annual meeting of the Psychonomic Society, Long Beach, California.
23. Talboom, K., Lau, K., **Ball, B.H.**, Brewer, G.A. *A Tail About Executive-Control Depletion: Mu, not Tau, Gets Tired* (November, 2014). Poster presented at the annual meetings of the Psychonomic Society, Long Beach, California.
22. **Ball, B.H.**, Brewer, G.A. *Individual differences in continuous and transient monitoring processes* (May, 2014). Poster presented at the International Conference of Prospective Memory, Naples, Italy.
21. Brewer, G.A., Pitaes, M., **Ball, B.H.** *The after effects of completed intentions* (May, 2014). Talk given at the International Conference of Prospective Memory, Naples, Italy.
20. Stefanidi, A., **Ball, B.H.**, Brewer, G.A. *Emotional faces produce metacognitive illusions in face-name learning* (April, 2014). Poster presented at the Western Psychological Association, Portland, Oregon.
19. **Ball, B.H.**, Brewer, G.A. *Processing fluency mediates the influence of perceptual information on monitoring learning of educationally-relevant materials.* (December, 2013). Talk given at the Joint ASU-UA Conclave, Tucson, AZ.
18. **Ball, B.H.**, Brewer, G.A. *Stable Individual Differences Across Multiple False Memory Paradigms* (November, 2013). Talk given at the annual meetings of the Psychonomic Society, Toronto, Ontario.
17. **Ball, B.H.**, Brewer, G.A. *Requiring Metamemory Judgments Changes Behavior* (November, 2013). Poster presented at the annual meetings of the Psychonomic Society, Toronto, Ontario.
16. Pitaes, M., **Ball, B.H.**, Brewer, G.A. *Exploring Individual Differences in Prospective Memory Output Monitoring* (November, 2013). Poster presented at the annual meetings of the Psychonomic Society, Toronto, Ontario.
15. Wingert, K., Rice, B., **Ball, B.H.**, Brewer, G.A. *Speaking Aloud Improves Ravens Advanced Progressive Matrices Performance* (November, 2013). Poster presented at the annual meetings of the Psychonomic Society, Toronto, Ontario.
14. Corman, S., **Ball, B.H.**, Talboom, K. M., & Brewer, G.A. *Assessing Two-Mode Semantic Network Story Representations Using a False Memory paradigm* (August, 2013). Talk given at the Sunbelt Networks Conference of the International Network for Social Network Analysis. Hamburg, Germany.
13. Eren-Kanat, S., **Ball, B.H.**, & Brewer, G.A. *IFARM: A model of intention formation and retrieval* (May, 2013). Poster presented at the annual Context and Episodic Memory Symposium, Bloomington, IN.
12. **Ball, B.H.**, Brewer, G.A. *Requiring Metamemory Judgments Changes Behavior.* (December, 2012). Poster presented at the Joint ASU-UA Conclave, Tucson, AZ.

11. **Ball, B.H.**, Talboom, K. M., Eren-Kanat, S., Brewer, G.A. *Self-Controlled Encoding Processes Benefit Future Intention Fulfillment* (November, 2012). Poster presented at the annual meetings of the Psychonomic Society, Minneapolis, MN.
10. **Ball, B.H.**, Brewer, G.A., DeWitt, M.R., Knight, J.B., Marsh, R.L., & Hicks, J.L. *Successful Source Memory in the Absence of Item Memory* (May, 2012). Poster presented at the annual Context and Episodic Memory Symposium, Bloomington, IN.
9. **Ball, B.H.**, Knight, J.B., DeWitt, M.R., Brewer, G.A., Marsh, R.L., Hicks, J.L. *Semantic Context Affects False Memories* (December, 2011). Poster presented at the Joint ASU-UA Conclave, Tucson, AZ.
8. **Ball, B.H.**, Brewer, G.A., DeWitt, M.R., Knight, J.B. *Individual Differences in the Delayed-Execution of Prospective Memories* (November, 2011). Poster presented at the annual meetings of the Psychonomic Society, Seattle, WA.
7. Brewer, G.A., **Ball, B.H.**, Knight, J.B., & DeWitt, M.R. (August, 2011). *Metacognitive Monitoring and Control of Prospective Memory Processes*. Talk given at the 5th International Conference on Memory, York, UK.
6. Hicks, J.L., DeWitt, M.R., Marsh, R.L., Knight, J.B., & **Ball, B.H.** (August, 2011). *Prior Retrieval of One Source Attribute Can Improve Memory for a Second Attribute*. Talk given at the 5th International Conference on Memory, York, UK.
5. Hicks, J.L., DeWitt, M.R., Marsh, R.L., Knight, J.B., & **Ball, B.H.** (August, 2011). *Items Previously Paired With Prospective Memory Target Events Can Serve as Effective Reminders*. Talk given at the 5th International Conference on Memory, York, UK.
4. DeWitt, M.R., Hicks, J.L., **Ball, B.H.**, Knight, J.B., & Marsh, R.L. (November, 2010). *Items Previously Paired with Prospective Memory Target Events can Serve as Effective Reminders*. Poster presented at the annual meetings of the Psychonomic Society, St. Louis, MO.
3. Knight, J.B., Brewer, G.A., **Ball, B.H.**, DeWitt, M.R., Hicks, J.L. & Marsh, R.L. (November, 2010). *Mood is Encoded as an Influential Component When Planning* Poster presented at the annual meetings of the Psychonomic Society, St. Louis, MO.
2. **Ball, B.H.**, Brewer, G.A., Knight, J.B., DeWitt, M.R., & Marsh, R.L. (March, 2010). *The Effects of Divided Attention on Activity-Based Prospective Memory*. Poster presented at the annual meetings of the Psi Chi Conference, Athens, GA.
1. DeWitt, M.R., **Ball, B.H.**, Knight, J.B., & Marsh, R.L. (March, 2010). *Multidimensional Source Monitoring: Prior Retrieval of One Source Attribute Improves Performance When Tested On a Second*. Poster presented at the annual meetings of the Psi Chi, Athens, GA.

RESEARCH EXPERIENCE & ASSISTANTSHIPS

- 2015 – 2018: **Cognitive Control & Aging Laboratory**
 Washington University: *Julie Bugg, Ph.D.*
Postdoctoral Fellow
- 2011 – 2015: **Memory & Attentional Control Laboratory**
 Arizona State University: *Gene Brewer, Ph.D.*
Graduate Student (Ph.D.)
- 2014 – 2015: **CARMA Laboratory**
 Arizona State University - Grant PI: *Adam Cohen, Ph.D.*
Research Assistantship (Templeton Grant)
- 2012 – 2013: **Center for Strategic Communication**
 Arizona State University – Grant PI: *Steven Corman, Ph.D.*
Research Assistantship (DARPA Grant)
- 2009 – 2011: **Human Cognitive Processing Laboratory**
 University of Georgia: *Richard L. Marsh, Ph.D.*
Graduate Student (M.S.)

TEACHING

COURSES TAUGHT

*Course evaluation for “effective communication” presented in brackets [max = 5.0]. Departmental average = 4.3 and university average = 4.2.

Graduate Courses:

2023 (Spring): *Cognition* [4.8]
2022 (Spring): *Cognition* [4.6]
2019 (Fall): Prospective Memory [n/a]
2020 (Spring): *Cognition* [4.0]

Undergraduate Courses:

2022 (Fall): Theories of Human Learning and Memory [4.7]
2022 (Spring): Advanced Topics in Cognition [4.8]
2021 (Spring): Advanced Topics in Cognition [4.7]
2020 (Fall): Advanced Topics in Cognition [4.6]
2020 (Spring): Advanced Topics in Cognition [4.4]
2019 (Fall): Advanced Topics in Cognition [4.5]

Teaching Assistant:

2014: *Research Method Lab*
2014: *Abnormal Child Psychology*
2011 – 2012: *Introductory Psychology*
2010 – 2011: *Cognitive Psychology*
2010: *Physiological and Comparative Psychology*
2009 – 2010: *Abnormal Psychology*

Formal Peer Observation of Teaching:

Received ratings of “Exemplary” (the highest score) on 21 of 21 teaching dimensions in a third-year review teaching observation and of “Advanced” (the highest score) on 36 of 36 teaching dimensions in a fifth-year review teaching observation conducted by Dan Levine.

Notable Student Evaluation Quotes:

“Dr. Ball is an excellent professor and consistently aims to relate the material to his students. Even better, he practices what he preaches. For example, modules on memory say that testing is important for performance. Dr. Ball incorporates pre- and post-lecture quizzes. He asks us to do weekly discussion posts on outside articles to make sure we can think critically about the material and analyze scientific writing. I can attest to how effective these measures are - I turned each one in early and prepared ahead of time, and ended up performing the highest on subsequent exams. I came into this course not knowing too much about the field of cognitive psychology, and I know I left with a diverse set of knowledge that I can apply to outside courses and contexts. More about Dr. Ball, he is very clear about his expectations to his students and is available to answer students' questions.” (Advanced Topics Cognition, Fall 2020)

“Dr. Ball's course is largely interactive, conversational and collaborative which makes for a really unique learning experience.” (Advanced Topics Cognition, Fall 2019)

“Dr. Ball was amazing. He was genuine and approachable. His effort to present the material in a relatable format was extremely effective and much appreciated.” (Advanced Topics Cognition, Fall 2020)

“I enjoyed the open conversation format of Thursday presentations. It gave the class the feel of an environment where we were all speaking as peers exploring different ideas. I also enjoyed lecturing on Tuesday so I still felt like I was learning the material in the traditional sense.” (Advanced Topics Cognition, Fall 2019)

“One of the best classes I have ever taken.” (Advanced Topics Cognition, Fall 2020)

“The best learning experience I’ve ever had at UTA.” (Advanced Topics Cognition, Fall 2022)

“He genuinely wants you to learn. He is a fantastic professor.” (Human Learning & Memory, Fall 2022)

“This was personally one of my favorite classes I've taken throughout my time here at UTA. Concise lectures, very honest, and entertaining as well. Helped me improve on my critical thinking, and pushed me to be active in research related to my own interests in the field.” (Human Learning & Memory, Fall 2022).

“The article readings and discussions encouraged me to think deeply about the subject and taught me to critically analyze scientific articles.” (Cognition, Spring 2020)

“I really enjoyed the fact that part of the weekly assignment was to read an article that tied the week's topic to my own research.” (Cognition, Spring 2022).

“I like the teaching style of the professor and the way he delivers the contents. I could build the connection between what I learnt in this class and my research interests and have a chance to present these ideas in a mini-presentation. This course inspires deep thinking and skill building.” (Cognition, Spring 2022).

“Being able to apply the concepts from the readings to my own research was extremely beneficial. I also am a lot more confident presenting academic research in front of an audience.” (Cognition, Spring 2022).

POSTDOCTORAL AND GRADUATE STUDENT MENTORING

Postdoctoral Mentor:

2020 – 2022: Elizabeth Wiemers; current tenure-track faculty at Bradley University

Graduate Student Mentor:

2023 – *Pres*: Connor Dupre; anticipated graduation: Spring 2028

2019 – *Pres*: Durna Alakbarova; anticipated graduation: Spring 2025

2019 – 2023: Phil Peper; current postdoc at Arizona State University

Dissertation Committee:

2023: External Member – Katie Burnett (Stony Brook University)

2022: Chair – Phillip Peper; *manuscript submitted*

2022: Member – Jessica Stevens

2021: Member – Adrian Abellanoza

2020: Member – Amandeep Dhaliwal

2020: Member – Maxine Geltmeier

Comprehensive Exams / Major Area Paper Committee:

2023: Chair – Durna Alakbarova

2021: Chair – Phillip Peper; *manuscript published*

2022: Member - Shreyosi Endow

2021: Member – Jessica Stephens

2020: Member – Maxine Geltmeier

2019: Member – Chasley Jones

Master's Thesis Committee:

2023: Member – Stephen Campbell

2022: Chair – Durna Alakbarova; *manuscript submitted*

Student Honors and Awards:

ARMADILLO Conference, *Best Graduate Poster* (Fall 2023): Durna Alakbarova

Maverick Science Graduate Research Fellowship (2022-2023): Phil Peper

I-Engage Mentoring Program summer fellowship (Summer 2022): Phil Peper
I-Engage Mentoring Program summer fellowship (Summer 2022): Durna Alakborova
UTA's Discover Conference, 3rd place (Spring 2021): Phil Peper
UTA's Discover Conference, *honorable mention* (Spring 2021): Durna Alakborova

UNDERGRADUATE MENTORING

Honors Students:

2022: Britney Tran – “Using Pupillometry to Examine Metamemory Processes”; *manuscript in preparation*
2013: Carson Cook – “Depletion of Prospective Memory Resources”; *manuscript published*
2012: Nicole Kimpton – “Individual Differences in Creative Problem Solving”; *manuscript published*
2012: Jillian Ware – “Individual Differences in Shooting Behavior”; *manuscript published*
2012: Kathleen Klein – “Metacognitive Illusions in Educational Materials”; *manuscript published*

Summer Fellowships:

2022: Connor Dupree – “Lure Interference in Prospective Memory with Reminders”; *manuscript submitted*
2022: Anisha Sharma – “When Prospective Memory Reminders Fail”; *manuscript in preparation*
2018: Peeta Li – “Age Differences in Strategic Prospective Memory Monitoring”; *manuscript published*

Student Honors and Awards:

UTA's Discover Conference, 3rd place (Spring 2022): Anisha Sharma (3rd place)
UTA's Discover Conference, 4th place (Spring 2022): Alaa Alises, Rebecca Roten, & Fariha Sheikh
Andy Baum Memory Endowment in Psychology Scholarship (Spring 2023): Kelly Pham
Andy Baum Memory Endowment in Psychology Scholarship (Spring 2022): Ansha Sharma
Gary K. Teng Endowed Scholarship in Psychology (Spring 2022): Fujuri Efeurhievwe

SERVICE

PROFESSIONAL SERVICE

Editorial Roles:

2020 – Pres: Consulting Editor, *Journal of Experimental Psychology, Learning, Memory, & Cognition*
2020 – Pres: Consulting Editor, *Psychonomic Bulletin & Review*

Grant Reviewer:

National Science Foundation

Journal Reviewer:

Acta Psychologica; American Journal of Psychology; Applied Cognitive Psychology; Behavior Research Methods; Cognition; Journal of Applied Research in Memory and Cognition; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Geriatric Psychiatry and Neurology; Journal of Memory & Language; Journal of Neuroscience, Psychology, & Economics; Memory; Memory & Cognition; Nature; Neurobiology of Aging; PLOS One; Psychological Reports; Psychological Research; Psychology & Aging; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology

Conference and Seminar Roles:

2021: Developed and hosted the *International Prospective Memory Conference*
2020 – 2021: Developed and hosted the *International Prospective Memory Seminar* weekly talk series
2020: Chair of *Prospective Memory Offloading* Symposium: Annual Meeting of the Psychonomic Society
2019 – 2021: President of *Southeastern Workers in Memory* society: Southeastern Psychological Association

Professional Affiliations:

American Psychological Association
Association for Psychological Science
Psychonomic Society
Southwestern Psychological Association
Southeastern Psychological Association

UNIVERSITY SERVICE

Hiring Committee Member:

2020: Diversity, Equity, & Inclusion search
2019: Cognitive Psychology search

Scholarship and Award Committee Member:

2020 – *Pres*: Departmental of Psychology Scholarship and Awards
2020: College of Science’s Scholarship and Awards
2019: Faculty Judge at the *Annual Celebration of Excellence by Students* symposium

Departmental Teaching and Research Committee Member:

2022 – *Pres*: Departmental Participant Pool (SONA) Assistant Coordinator
2021 – *Pres*: Diversity, Equity, and Inclusion Committee
2020 – *Pres*: Departmental Colloquium Series
2018 – *Pres*: Undergraduate Curriculum
2018 – *Pres*: Graduate Studies
2013 – 2014: Graduate Student Association
2012 – 2013: Graduate Studies Committee
2012 – 2013: Cognitive Science Symposium
2009 – 2011: Behavioral & Brain Sciences Lecture Series

Fiscal Committee Member:

2022 – 2023: Life Science Building Renovation Committee
2021 – *Pres*: Department of Psychology Oversight and Advisory Committee

Student Organizations:

2019 – *Pres*: Faculty advisor for the Undergraduate Psychology Society

Research Initiatives:

2022: Organizer and presenter: Computational modeling workshop
2021 – *Pres*: Committee member – Initiative to develop Center for Internet Psychology and Persuasion
2020 – *Pres*: Committee member – Initiative to develop Brain and Body for neuroscience research
2018 – *Pres*: Establishing older adult subject pool as shared departmental resource
2015 – 2018: Older adult subject pool recruiter
2015: Research Participant Pool Coordinator

COMMUNITY SERVICE

2022 Talk given to elementary school parents on the *Myths of Learning*
2019 Psych Society Alzheimer’s Event
2019 Psych Society Feeding the Homeless Event
2012 AZSCITECH Festival (The Science of Baseball)
2011 – 2013 Bringing Psychological Science to the ASU Homecoming Festivities
2011 ASU’s Brain Fair