

GENE A. BREWER, JR.

Arizona State University
Department of Psychology
Tempe, AZ 85287-1104
E-mail: Gene.Brewer@asu.edu
Laboratory Website: <http://www.asumaclab.com>
Google Scholar: <http://scholar.google.com/citations>

PROFESSIONAL POSITION

2022 – Pres Professor, Arizona State University
2020 – Pres Visiting Professor of Cognitive Psychology, U.S. Army War College
2016 – 2022 Associate Professor of Psychology, Arizona State University
2010 – 2016 Assistant Professor of Psychology, Arizona State University

EDUCATION

2005 – 2010 Ph.D. in Psychology, University of Georgia
2003 – 2005 M.S. in Statistics, University of Georgia
2000 – 2003 B.S. in Psychology, Minor in Statistics, University of Georgia

RESEARCH INTERESTS

My research focuses on behavioral and neural recording of attention and memory processes that support goal pursuit in humans. In our laboratory we study the causes and consequences of individual differences in attention control, working memory, prospective memory, and retrospective memory. Additionally, I am interested in statistical models of memory and other statistical applications within psychological sciences.

RESEARCH SUPPORT

Pending NIMH R01 (Scored at 3rd Percentile; Pending Council Recommendation)
Direct Dopamine Recording from Humans Engaging Working Memory
Role: MPI with P.R. Montague, Total Amount Requested: \$3,810,911

2023-PRES Army Research Institute
Intraindividual Variability in Cognitive, Health, and Socioemotional Metrics
Role: PI, Total Amount Requested: \$1,707,828

2022-PRES Foundation Grant
Trauma, Drug Use, and Mentalizing
Role: PI, Total Amount Funded: \$500,000

2021-PRES Jumpstart
The Impact of Dopamine on Attention in Parkinson's Disease

- Role: Co-PI, Total Amount Funded: \$25,000
- 2020-PRES Army War College
Interagency Personnel Agreement
Role: PI, Total Amount Funded: \$214,135
- 2020-2021 National Science Foundation – RAPID: Emotional and neural influences on
decision-making in the context of COVID-19
Role: Co-PI, Total Amount Funded: \$118,726
- 2017-2021 Army Research Institute
Broadening Our View of Culture
Role: Co-PI, Total Amount Funded: \$1,709,009
- 2018-2019 Laboratory for Analytic Sciences
Interventions to Improve Divergent Thinking
Role: PI, Total Amount Funded: \$84,961
- 2016-2019 National Science Foundation – Collaborative Proposal with Redick & Unsworth
Tailoring Cognitive Training Interventions to the Individual: Testing a
Multifaceted Theory of Working Memory
Role: PI, Total Amount Funded: \$322,888
- 2015-2018 Air Force Office of Scientific Research
Cultural and Religious Aspects of Trust
Role: Co-PI, Total Amount Funded: \$1,642,722
- 2012-2014 Defense Advanced Research Project Agency
Mapping the Narrative Comprehension Network
Role: Co-PI, Total Amount Funded: \$1,400,622
- 2012-2014 Defense Advanced Research Project Agency
Administrative Supplement
Role: Co-PI, Total Amount Funded: \$125,000
- 2012-2013 Institute for Social Science Research
Audience Reception of Race
Role: Co-Investigator, Total Amount Funded: \$34,000.00
- 2011-2013 Institute for Social Science Research
Oscillatory Dynamics of Prospective Memory Encoding and Associative
Recognition Memory
Role: PI, Total Amount Funded: \$59,837.20
- 2011-2012 Arizona State University ISSR Internal Grant
Audience Reception of Race

Role: Co-PI, Total Amount Funded: \$26,906.00

2011-2012 Arizona State University IHR Internal Grant
The Shakespeare Cognition Project: Classical Drama and Perceptions of Race
Role: Co-Investigator, Total Amount Funded: \$12,000.00

PUBLICATIONS

(Total = 110; + Denotes Postdoctoral Fellow, * Denotes Graduate Student, ** Denotes Barrett Honors Student)

- Bang, D., ..., Montague, P. R. (*Accepted Pending Revision*). Noradrenaline Tracks Emotional Modulation of Attention in Human Amygdala. *Current Biology*.
- Robison, M. K.+, Celaya, X. L.*, Ball, B. H., & Brewer, G. A. (*In Press*). Task Sequencing Does Not Affect the Factor Structure of Cognitive Abilities. *Psychonomic Bulletin & Review*.
- Pagni, B. A., Williams, C., Abrams, G., Blais, C., Brewer, G. A., & Braden, B. B. (2023). Neurophysiological Signatures of Mindfulness-Based Stress Reduction in Adults with Autism: Putative Mechanism of Anxiety Alleviation. *Mindfulness*, 1-13.
- Robison, M. K.+, Ralph, K. J., Gondoli, D. M., Torres, A. *, Campbell, S., Brewer, G. A., & Gibson, B. S. (2023). Testing a Locus Coeruleus-Norepinephrine account of working memory, attention, and fluid intelligence. *Cognitive, Affective, & Behavioral Neuroscience*, 1-45.
- Luchini, S., Kenett, Y. N., Zeitlen, D. C., Christensen, A. P., Ellis, D. M.*, Brewer, G. A., Beaty, R. E. (2023). Convergent Thinking and Insight Problem Solving Relate to Semantic Network Structure. *Thinking Skills and Creativity*, 48, 101277.
- Elliott, B. L.*, D'Ardenne, K., Murty, V. P., Brewer, G. A., & McClure, S. M. (2022). Midbrain-Hippocampus Structural Integrity Selectively Predicts Motivated Memory Encoding. *Journal of Neuroscience*, 42(50), 9426-9434.
- Vogel, A. E.*, Arnett, C.**, Blais, C., Brewer, G. A. (2022). An Assessment of Learning Rates in Habitual Prospective Memory. *Psychonomic Bulletin & Review*, 1-8.
- Monaghan, A. S.*, Johansson, H.*, Torres, A.*, Brewer, G. A., & Peterson, D. S. (2022). The impact of divided attention on automatic postural responses: A systematic review and meta-analysis. *Experimental Gerontology*, 111759.
- Crotin, R. L., Slowik, J. S., Brewer, G. A., Cain Jr, E. L., & Fleisig, G. S. (2022). Determinants of Biomechanical Efficiency in Collegiate and Professional Baseball Pitchers. *The American Journal of Sports Medicine*, 50(12), 3374-3380.
- Ball, B. H., Wiemers, E. A., & Brewer, G. A. (2022). Individual differences in memory and attention processes in prospective remembering. *Psychonomic Bulletin & Review*, 29(3), 922-933.

- Robison, M. K., & **Brewer, G. A.** (2022). Individual differences in working memory capacity, attention control, fluid intelligence, and pupillary measures of arousal. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Ball, B. H., Robison, M. K., Coulson, A., & **Brewer, G. A.** (2022). Individual Differences in Disqualifying Monitoring Underlie False Recognition of Associative and Conjunction Lures. *Memory & Cognition*, 50(4), 751-764.
- Ball, H., Peper, P., Alakbarova, D., **Brewer, G. A.**, & Gilbert, S. J. (2022). Individual differences in working memory capacity predict benefits to memory from intention offloading. *Memory*, 30(2), 77-91.
- Robison, M. K., Obulasetty, M., Blais, C., Wingert, K. M., & **Brewer, G. A.** (2022). The effect of binaural beat stimulation on sustained attention. *Psychological Research*, 86(3), 808-822.
- Robison, M. K., Unsworth, N., & **Brewer, G. A.** (2021). Examining the effects of goal-setting, feedback, and incentives on sustained attention. *Journal of Experimental Psychology: Human Perception and Performance*, 47(6), 869.
- Robison, M. K., Ellis, D. M., Pitaes, M., Karoly, P., & **Brewer, G. A.** (2021). Acute Pain Impairs Sustained Attention. *Journal of Experimental Psychology: Applied*.
- Ellis, D. M., Robison, M. K., & **Brewer, G. A.** (2021). The Cognitive Underpinnings of Multiply-Constrained Problem Solving. *Journal of Intelligence*, 9(1), 7.
- Brewer, G. A.**, Robey, A., Unsworth, N. (2021). Discrepant Findings on the Relation Between Episodic Memory and Retrieval Practice: The Impact of Analysis Decisions. *Journal of Memory & Language*, 116.
- Chowdhury, M. S. N., Dutta, A., Robison, M. K., Blais, C., **Brewer, G. A.**, & Bliss, D. W. (2021, November). 3D CNN to Estimate Reaction Time from Multi-Channel EEG. In *2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)* (pp. 5932-5935). IEEE.
- Ball, B. H., Vogel, A., Ellis, D. M., & **Brewer, G. A.** (2021). Wait a second... Boundary conditions on delayed responding theories of prospective memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 47(5), 858.
- Whitehead, P., Blais, C., & **Brewer, G. A.** (2020). Reliability and Convergence of Conflict Effects: An examination of evidence for domain-general attentional control. *Experimental Psychology*, 67(5), 303-313.
- Robison, M. K. & **Brewer, G. A.** (2020). Individual Differences in Working Memory Capacity and the Regulation of Arousal. *Attention, Perception, & Psychophysics*.

- Elliott, B. L.*, Blais, C.+, McClure, S. M., & **Brewer, G. A.** (2020). Neural Correlates Underlying the Effect of Reward Value on Recognition Memory. *Neuroimage*.
- Ellis, D.*, Veloria, G. K., Arnett, C.***, Vogel, A., Pitaes, M.*, & **Brewer, G. A.** (2020). No Evidence for Enhancing Prospective Memory with Anodal Transcranial Direct Current Stimulation across Dorsolateral Prefrontal Cortex. *Brain Stimulation*.
- Ellis, D.*, Ball, B. H.*, Kimpton, N.***, & **Brewer, G. A.** (2020). The Role of Working Memory Capacity in Analytic and Insight Problem Solving in Demanding Situations. *Quarterly Journal of Experimental Psychology*, 73(6), 920-928.
- Chowdhury, M. S. N., Dutta, A., Robison, M. K., Blais, C., **Brewer, G. A.**, & Bliss, D. W. (2020, July). A generalized model to estimate reaction time corresponding to visual stimulus using single-trial EEG. In *2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)* (pp. 3011-3014). IEEE.
- Chowdhury, M. S. N., Dutta, A., Robison, M. K., Blais, C., **Brewer, G. A.**, & Bliss, D. W. (2020). Deep Neural Network for Visual Stimulus-Based Reaction Time Estimation Using the Periodogram of Single-Trial EEG. *Sensors*, 20(21), 6090.
- Whitehead, P.***, **Brewer, G. A.**, & Blais, C.+ (2019). Are Reactive Cognitive Control Processes Reliable? When Means are Not Enough. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 45(5), 765-778.
- Elliott, B. L.*, McClure, S. M., & **Brewer, G.** (2019). Individual Differences in Value-Directed Remembering. *Cognition*.
- Ball, H.*, Vogel, A.***, & **Brewer, G. A.** (2019). Individual difference in prospective memory. *Prospective Memory*, 116-134.
- Elliott, B. L.*, & **Brewer, G. A.** (2019). Divided Attention Selectively Impairs Value-Directed Encoding. *Collabra: Psychology*, 5(1), 4.
- Pitaes, M.*, Blais, C.+, Karoly, P., Okun, M., & **Brewer, G. A.** (2018). Acute pain disrupts prospective memory cue detection processes. *Memory*, 26(10), 1450-1459.
- Ellis, D. M.* & **Brewer, G. A.** (2018). Aiding the search: Examining individual differences in multiply-constrained problem solving. *Consciousness and cognition*, 62, 21-33.
- Berisha, V., Gilton, D., Baxter, L.C., Corman, S.R., Blais, C.+, **Brewer, G.A.**, Ruston, S., Ball, B.H., Wingert, K.M., Peter, B., & Rogalsky, C. (2018). Structural neural predictors of Farsi-English bilingualism. *Brain and Language*, 180, 42-49.
- Blais, C. +, Ellis, D.*, Wingert, K.*, Cohen, A. B., & **Brewer, G. A.** (2018). Alpha suppression over parietal electrode sites predicts decisions to trust. *Social neuroscience*, 1-10.

- Ball, B. H.* , Pitaes, M.* , & **Brewer, G. A.** (2018). Individual differences in episodic memory abilities predict successful prospective memory output monitoring. *Memory*, 1-10.
- Stefanidi, K.* , Ellis, D.* **Brewer, G. A.** (2018). Free recall dynamics in value-directed remembering. *Journal of Memory and Language*, 100, 18-31.
- Wingert, K. * , Blais, C. + , Ball, B. H. * , & **Brewer, G. A.** (2018). Working memory cannot regulate overt emotional capture. *Acta Psychologica*, 185, 52-64.
- Ball, B. H.* & **Brewer, G. A.** (2018). Proactive control processes in event-based prospective memory: Evidence from intraindividual variability and ex-Gaussian analyses. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(5), 793.
- 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.
- Whitehead, P.** , **Brewer, G. A.**, & Blais, C. + (2017). ERP evidence for conflict in contingency learning. *Psychophysiology*, 54(7), 1031-1039.
- Whitehead, P. S.** , **Brewer, G. A.**, Patwary, N., & Blais, C.+ (2016). Contingency learning is reduced for high conflict stimuli. *Acta Psychologica*.
- 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.
- Brewer, G. A.** & Stefanidi, K.* (2016). Long-Term Memory Structures. *Encyclopedia of the Sciences of Learning*.
- Hagger, M. S., Chatzisarantis, N. L., Alberts, H., Anggono, C. O., Batailler, C., Birt, A., & Zwienerberg, M. (2016). A multi-lab pre-registered replication of the ego-depletion effect. *Perspectives on Psychological Science*, 2.
- Varnum, M. E. W., Blais, C.+ , & **Brewer, G. A.** (2016). Social class affects Mu-suppression during action observation. *Social Neuroscience*, 11, 449-454.
- Hall, D. L., Cohen, A. B., Meyer, K. K.* , Varley, A. H.* , & **Brewer, G. A.** (2015). Costly signaling increases trust, even across religious affiliations. *Psychological science*, 0956797615576473.
- Meeks, J. T., Pitães, M.* , & **Brewer, G. A.** (2015). The compensatory role of implementation intentions for young adults with low working memory capacity. *Applied Cognitive Psychology*, 29(5), 691-701.

- Varnum, M. E. W., Blais, C., Hampton, R. S., & **Brewer, G. A.** (2015). Social class affects neural empathic responses. *Culture and Brain*, 3, 122-130.
- Knight, J. B., **Brewer, G. A.**, Ball, B. H., Dewitt, M., & Marsh, R. L. (2015). The influence of mood on the process and content of encoding future intentions. *Quarterly Journal of Experimental Psychology*, 68(6), 1082-1100.
- Blais, C., Stefanidi, K., & **Brewer, G. A.** (2014). The Gratton effect remains after controlling for contingencies and stimulus repetitions. *Frontiers in Cognitive Science*, 5, 1-11.
- Loft, S., Bowden, V., Ball, B. H., & **Brewer, G. A.** (2014). Fitting an ex-Gaussian function to costs in event-based prospective memory: Continuous or transient control processes? *Acta Psychologica*, 152, 177-182.
- Brewer, G. A.** & **Brewer, G. A.** (2014). Parsing Public/Private Differences in Work Motivation and Performance: An Experimental Study. Republished in Justin B. Bullock, Hal G. Rainey and Andrew B. Whitford (eds.), *Virtual Issue Exclusive: Experiments in Journal of Public Administration Research and Theory*. Available electronically: http://www.oxfordjournals.org/our_journals/jopart/virtual_issue_experiments_in_jp.html
- Mennega, S E.,* Baxter, L. C., Grunfeld, I. S.,** **Brewer, G. A.**, Aiken, L. S., Engler-Chiurazie, 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, 1-12.
- 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*, (ahead-of-print).
- 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, 121-128.
- 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), 336-348.
- Clark-Foos, A., **Brewer, G. A.**, & Marsh R. L. (2014). Judging the reality of others memories. *Memory*.
- Meeks, J. T., Knight, J. B.,* **Brewer, G. A.**, Cook, G. I., & Marsh, R. L. (2014). Investigating the subjective reports of rejection processes in the word frequency mirror effect. *Consciousness & Cognition*, 24, 57-69.

- Unsworth, N., **Brewer, G.A.**, & Spillers, G. J.* (2013). Strategic search from long-term memory: An examination of semantic and autobiographical recall. *Memory*, (ahead-of-print), 1-13.
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- Unsworth, N., **Brewer, G.A.**, & Spillers, G. J. (2013). Focusing the search: Proactive and retroactive interference and the dynamics of free recall. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *39*(6), 1742.
- Ball, B. H.*, Knight, J. B.*, Dewitt, M. R.*, & **Brewer, G. A.** (2013). Individual differences in the delayed execution of prospective memories. *The Quarterly Journal of Experimental Psychology*, (ahead-of-print), 1-15.
- Unsworth, N., McMillan, B.D.*, **Brewer, G.A.**, & Spillers, G.J. (2013). Individual differences in everyday retrospective memory failures. *Journal of Applied Research in Memory and Cognition*, *2*, 7-13.
- Unsworth, N., **Brewer, G.A.**, & Spillers, G.J. (2013). Working memory capacity and retrieval from long-term memory: The role of controlled search. *Memory & Cognition*, *41*, 242-254.
- Brewer, G. A., Walker, R. M., Bozeman, B., **Brewer, G. A.**, & Avellaneda, C. N. (2012). External control and red tape: The mediating effects of client and organizational feedback. *International Journal of Public Management*, *15*, 288-314. DOI: 10.1080/10967494.2012.725291
- Unsworth, N., Spillers, G. J., & **Brewer, G. A.** (2012). Working memory capacity and retrieval limitations from long-term memory: An examination of differences in availability and accessibility. *Quarterly Journal of Experimental Psychology*, *65*, 2397-2410.
- Knight, J. B.*, Marsh, R. L., **Brewer, G. A.**, & Clementz, B. A. (2012). Preparatory distributed cortical synchronization determines execution of some but not all future intentions. *Psychophysiology*, *49*(9), 1155-1167. DOI: 10.1111/j.1469-8986.2012.01400.x
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- Knight, J. B.*, Ball, B. H.*, **Brewer, G. A.**, Dewitt, M., Marsh, R. L. (2012). Testing Unsuccessfully: A specification of the underlying mechanisms supporting its influence on retention. *Journal of Memory & Language*, *66*(4), 731-746. DOI: 10.1016/j.jml.2011.12.008
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- Brewer, G. A., & **Brewer, G. A.** (2011). Experimental methods in public management research: A demonstration parsing public/private differences. *Journal of Public Administration Review & Theory*, *21*, 347-362.
- Brewer, G. A.**, Spillers, G. J., McMillan, B. & Unsworth, N. (2011). Extensive Performance on the antisaccade task does not lead to negative transfer. *Psychonomic Bulletin & Review*, *18*, 923-929. DOI: 10.3758/s13423-011-0130-9
- Knight, J. B.*, Meeks, J. T., Marsh, R. L., Cook, G. I., **Brewer, G. A.**, & Hicks, J. L. (2011). An observation on the spontaneous noticing of prospective memory event-based cues. *Journal of Experimental Psychology. Learning, Memory, and Cognition*. *37* (2), 298-307. DOI: 10.1037/a0021969.
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- Marsh, R. L., **Brewer, G. A.**, Jameson, J. P., Cook, G. I., Amir, N., Hicks, J. L., (2009). Threat related processing supports prospective memory retrieval for people with obsessive tendencies. *Memory, 17*, 679-686. DOI: 10.1080/M.17.6.679
- Fragaszy, D., Kennedy, E., Murnane, A., Menzel, C., **Brewer, G. A.**, Johnson-Pynn, J., & Hopkins, W. (2009). Navigating two-dimensional mazes: Chimpanzees (*Pan troglodytes*) and capuchins (*Cebus apella*) profit from experience differently. *Animal Cognition, 12*, 491-504. DOI: 10.1007/AM.12.3.491
- Suveg, C., Hudson, J., **Brewer, G. A.**, Flannery-Schroeder, E., Gosch, E., & Kendall, P. C. (2009). Cognitive-behavioral therapy for anxiety disordered youth: Secondary outcomes from a randomized clinical trial evaluating child and family modalities. *Journal of Anxiety Disorders, 23*, 341-349. DOI: 10.1016/JAD.23.3.341
- Clark-Foos, A., **Brewer, G. A.**, Marsh, R. L., Meeks, J. T., & Cook, G. I. (2009). The valence of event-based prospective memory cues or the context in which they occur affects their detection. *American Journal of Psychology, 122*, 89-97. DOI: 10.1016/j.janxdis.2009.01.003
- Bowers, J. E., et al (33 authors, with A. H. Paterson as corresponding) (2005). Comparative physical mapping links retention of microsynteny to chromosome structure and recombination in grasses. *Proceedings of the National Academy of Science, 102*, 13206-13211. DOI:10.1101/gr.3907305

HONORS, AWARDS, & DISTINCTIONS

- | | |
|-------------|---|
| 2023 | APA Division 3 President |
| 2022 | APA Division 3 President Elect |
| 2018 - 2020 | APA Division 3 Council of Representatives Member |
| 2018 - 2021 | APA Division 3 Member-at-Large |
| 2017 | Nominated for the Defense Science Study Group by ASU |
| 2016 | Nominated for the ASU Zebulon Pearce Distinguished Teaching Award |
| 2015 | Association for Psychological Science Rising Star |
| 2015 | Nominated for UGA 40 Under 40 Alumni Award |
| 2014 | Became a Behavioral & Brain Sciences Associate Member |
| 2013 | Nominated for the National Academy of Sciences Troland Award |
| 2013 | Became a Full Member of the Psychonomic Society |
| 2013 | Nominated for the ASU Zebulon Pearce Distinguished Teaching Award |
| 2012 | Nominated for the PEW Scholarship |
| 2012 | Nominated for the ASU Centennial Professor Award |
| 2010 | A. S. Edwards Award. Highest UGA Psychology Graduate Student Award |
| 2010 | Psi Chi Best Graduate Student Paper Award |
| 2009 | Herbert Zimmer Scholar |
| | <i>Awarded to Graduate Students Demonstrating the Potential for an Outstanding Career in Research Psychology, University of Georgia, 2008</i> |

- 2009 University of Georgia Graduate School Dean's Award
University wide dissertation completion award
- 2009 SEPA Graduate Student Research Award
Outstanding research award for research in any area of psychology, although preference will be given to those areas that are generally underrepresented at SEPA (biological, cross-cultural, and developmental psychology)
- 2009 Travel Grant Recipient for Southeastern Psychological Association Award
Additional travel award to present research nominated for the graduate student research award at SEPA
- 2005 – 2009 Graduate Student Travel Grant Recipient
Yearly UGA awards for travel to national conferences
- 2005 University of Georgia Outstanding Teaching Assistant Award
Teaching awarded to the top 10% of Graduate Teaching Assistants University Wide
- 2004 – 2005 President of the University of Georgia Statistics Club
- 2003 Presidential Scholar

INVITED PRESENTATIONS

- Fall 2023 Macau Symposium on Cognitive & Brain Sciences Keynote
- Fall 2023 Virginia Tech
- Spring 2023 University of Massachusetts Lowell
- Fall 2022 University of Texas Austin
- Spring 2021 Sheffield
- Fall 2020 Mississippi State
- Fall 2020 University of Texas Arlington
- Fall 2020 University of Massachusetts Amherst
- Fall 2020 Geneva
- Spring 2019 Clemson
- Fall 2018 University of Georgia
- Summer 2018 Jena
- Summer 2018 Muenster
- Spring 2018 COCO Seminar at ASU Speech & Hearing Department
- Fall 2017 Purdue University
- Fall 2017 Notre Dame
- Spring 2017 Notre Dame
- Fall 2016 University of Mississippi
- Spring 2016 San Diego State University
- Spring 2016 Fordham University
- Fall 2015 Princeton University
- Spring 2015 Louisiana State University
- Fall 2014 Claremont McKenna College

TEACHING EXPERIENCE & SERVICE

Teaching (* indicates instructor of record):

| | |
|-------------|--|
| Spring 2023 | Online Undergraduate Research Scholars* |
| Fall 2022 | Cognitive Psychology*, Online Undergraduate Research Scholars* |
| Fall 2021 | Cognitive Psychology*, Design & Statistics for Neuroscience* |
| Fall 2020 | Cognitive Psychology*, Functional Neuroimaging of the Human Mind* |
| Fall 2019 | Cognitive Psychology*, Functional Neuroimaging of the Human Mind* |
| Spring 2019 | CS Seminar*, Functional Neuroimaging of the Human Mind*, EEG Methods* |
| Fall 2018 | CS Seminar*, Functional Neuroimaging of the Human Mind* |
| Spring 2018 | CS Seminar* |
| Fall 2017 | CS Seminar* |
| Spring 2017 | Sabbatical |
| Fall 2016 | Sabbatical |
| Spring 2016 | CS Seminar* |
| Fall 2015 | CS Seminar*, Memory & Cognition*, Human Memory* |
| Spring 2015 | CS Seminar* |
| Fall 2014 | CS Seminar*, Memory & Cognition (2)* |
| Spring 2014 | CS Seminar* |
| Fall 2013 | CS Seminar* |
| Spring 2013 | CS Seminar*, Memory & Cognition* |
| Fall 2012 | CAP Seminar*, Working Memory* |
| Spring 2012 | Memory & Cognition (2)* |
| Fall 2011 | Working Memory* |
| Spring 2011 | Memory & Cognition* |
| Fall 2010 | Computational Models of Human Memory, Arizona State University* |
| 2005 – 2010 | Graduate Teaching Assistant, University of Georgia, Psychology Cognition * Research Methods * Research Statistics Graduate Statistics I, II, & III |
| 2009 – 2010 | Adjunct Professor, Piedmont College Cognition * History of Psychology * Adolescent Psychology* |
| 2005 | Adjunct Professor, University of Georgia, Statistics |
| 2003 – 2005 | Teaching Assistant, University of Georgia Statistics 2000 Program Statistical Methods * Introductory Statistics * |

Editorial Boards

Psychonomic Bulletin & Review –Associate Editor in 2020 - PRES
Journal of Experimental Psychology: Learning, Memory, & Cognition 2017-PRES
Journal of Experimental Psychology: General 2017 - 2020

Ad hoc Reviewer - Journals:

Acta Psychologica, Applied Cognitive Psychology, Cognitive Psychology, European Journal of Cognitive Psychology, Frontiers in Cognitive Psychology, International Journal of Psychology, International Journal of Psychophysiology, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning Memory & Cognition, Experimental Psychology, Journal of Memory and Language, Memory & Cognition, Memory, Neuropsychologia, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Psychiatry Research, Discourse Processes, PsyCh Journal, Intelligence, Journal of Applied Research in Memory & Cognition, Nature Human Behavior, Proceedings of the National Academy of Science, Cognition, Metacognition & Learning, Journal of Sports Analytics

Grant Agencies:

National Science Foundation College of Reviewers (2013 – present)
National Institute of Health Study Section

AFFILIATIONS

Cognitive Neuroscience Society
Psychonomic Society (Full Member)
Behavioral & Brain Sciences (Associate Member)
Association for Psychological Science
Southeastern Psychological Association
American Psychological Association

STUDENT MENTORING

MACLab Graduate Students

Xavier Celaya, MS (2023 Arizona State University)
Myles Alucard, MS (2023 Arizona State University)
Hailey Dziendziel, MS (2023 Arizona State University)
Alexis Torres, MS (2021 Arizona State University)
Kalyani Datta, MS (2022 ASU Speech & Hearing Auditory Neuroscience)
Cole Williams, MS (2022 ASU Speech & Hearing Auditory Neuroscience)
Jade Terry, MS (2022 ASU Speech & Hearing Auditory Neuroscience)
Blake Elliot, Ph.D. (2021 Arizona State University)
Taylor Crawford, MS (2021 ASU Speech & Hearing Auditory Neuroscience)
Derek Ellis, Ph.D. (2021 Arizona State University)
Margarida Pitaes, Ph.D. (2020 Arizona State University)
Kimberly Wingert, Ph.D. (2018 Arizona State University)
Dongchen Xu, Ph.D. (2017 Arizona State University)
Katerina Stefanidi, MS (2015 Arizona State University)
Brett Hunter Ball, Ph.D. (2015 Arizona State University)
Justin Knight, Ph.D. (2012 University of Georgia)

Graduate Student Committees

Dissertation

Owen Ma, Ph.D. (2020)
Anna Papova, Ph.D. (2019)
Caitlin Vos, Ph.D. (2018)
Aaron Likens, Ph.D. (2016)
Justin Fine, Ph.D. (2015)
Ryan Ferguson, Ph.D. (2014)
Thomas Crawford, Ph.D. (2014)
Matthew Lancaster, Ph.D. (2013)
Megan Papesh, Ph.D. (2012)
Whitney Hansen, Ph.D. (2011)

Comprehensive Exams

Erika Pages, Comprehensive Exams
Micah Wantanabe, Comprehensive Exams
Tri Nguyen, Comprehensive Exams
Broc Pagini, Comprehensive Exams
Ryan Hampton, Comprehensive Exams
Anna Popova, Comprehensive Exams
Kate Hebert, Comprehensive Exams
Krista Puruhito, Comprehensive Exams
Ileana Ratiu, Comprehensive Exams
Bryan Camp, Comprehensive Exams
Jennifer Weston, Comprehensive Exams
Ryan Ferguson, Comprehensive Exams
Justin Fine, Comprehensive Exams
Aaron Likens, Comprehensive Exams
Thomas Crawford, Comprehensive Exams

Masters

Ciera Arnett (2022)
Ye Li (2022)
Cecile Perret (2021)
Matt Langley (2021)
Micah Wantanbe (2020)
Mohammad Chowdhury (2019)
Ty Tang (2019)
Melanie Hill, (2016)
Morgan Waddell, (2016)
Anna Popva, MS (2016)
Cameron Gibbons, MS (2016)
Carter Daniels, MS (2015)
Chandler Krynen MS (2015)
Elizabeth Marsh, MS (2012)

First Year Project Reader

Ye Li, First Year Project
 Ty Tang, First Year Project
 Coery Magaldino, First Year Project
 Cameron Gibbons, First Year Project
 Jake Patten, First Year Project

Honors Students

| | | |
|--------------------|-----------|--|
| Nicole Kimpton | 2011-2012 | Individual Differences in Creative Problem Solving |
| Jillian Ware | 2011-2012 | Individual Differences in Shooting Behavior |
| Kathleen Klein | 2011-2012 | Metacognitive Illusions in Educational Materials |
| Douglas Rice | 2011-2012 | Articulation and Intelligence |
| Sachi Patel | 2012-2013 | Meditation and Attention Control |
| Carson Cook | 2012-2013 | Depletion of Prospective Memory Processes |
| Alejandra Fontes | 2013-2014 | Motivational & Cognitive Systems of Control |
| Kevin Lau | 2014-2015 | Executive Control Depletion |
| Diana Rayes | 2014-2015 | Cultural Neuroscience |
| Peter Whitehead | 2015-2016 | Reliability of Cognitive Control |
| Alexis Erdington | 2015-2016 | Context and Activity-Based Prospective Memory |
| Sania Ahmed | 2015-2016 | Mood and Working Memory |
| Mohitha Obulasetty | 2016-2017 | Binaural Beats Augments Sustained Attention |
| Krysten Sullivan | 2016-2017 | Confidence & Accuracy in Recognition Memory |
| Ciera Arnett | 2016-2017 | Habitization of Prospective Memory Processes |
| Aaron Cohen | 2016-2018 | Motivation & Problem Solving |
| Allison Coulson | 2017-2019 | Individual Differences in False Remembering |
| Allison Levin | 2017-2019 | Mnemonic Basis for Cultural Identity |
| Katrina Dickson | 2017-2019 | Structure Facilitates Source Memory Encoding |
| Morgan Cobban | 2018-2019 | Compound Remote Associates |
| Ryan Neil | 2018-2019 | Multitasking ERPs |
| Deanna Strayer | 2018-2019 | Simultaneous ERP-Pupil Measurement |
| Faith Brown | 2019-2020 | The Effects of Breaks on Sustained Attention |
| Ben Pope | 2019-2020 | Neuromodulation of the Locus Coeruleus |
| Danielle Borie | 2019-2021 | Intense Single Subject Design During COVID |
| Mikayla Anderson | 2020-2021 | REFLEX: Executive Functioning Assessment |
| Gabriel Anderson | 2020-2021 | REFLEX: Executive Functioning Assessment |
| Nick Schmidt | 2021-2023 | Acute Pain and Convergent-Divergent Thinking |
| Layla McDaniel | 2021-2023 | Curiosity and the Delay-of-Feedback Effect |
| Katrina Ager | 2023-PRES | MLEV for novel analytes |

Honors Committee

| | | |
|--------------------|-----------|---|
| Claire Yee | 2011-2012 | Ethnicity and Perceptual Processing |
| Jessica Bodea | 2012-2013 | ADHD and Substance Abuse |
| Jessica Shropshire | 2012-2013 | Array Training in Categorization |
| Marissa Glomski | 2014-2015 | Canine Delay Matching to Sample Performance |
| Courtney Besaw | 2015-2016 | Costly Signaling and Trust |
| Koranis Saniswirth | 2016-2017 | EEG and Decision Making |

Research Advisement

| | | |
|-----------------------|-------------|--|
| Itamar Grunfield | 2010 – 2012 | Human Radial Arm Maze |
| Gbolahan Olanubi | 2011 – 2012 | Embodiment and Memory Recall |
| Peter Charnell | 2011 – 2012 | Working Memory and Moral Reasoning |
| Fritzgerald Jerome | 2012 – 2013 | Inhibition in Memory |
| Blake Elliot | 2014 – 2016 | Value-Directed Memory Processes |
| Anne Vogel | 2014 – 2018 | Habitual Prospective Memory |
| Keeylyn Cazzola | 2017 – 2019 | Using Machine Learning to Predict Lies |
| Caleb Jerinic-Brodeur | 2020 - 2022 | Source Monitoring |

Science Fair Advisement

| | | |
|-------------|-------------|------------------------------|
| Brian Jones | 2016 – 2017 | Stress and Shooting Behavior |
|-------------|-------------|------------------------------|

COMMUNITY SERVICE

| | |
|-----------|--|
| 2023 | Consulting for INFLO |
| 2021 | Consulting for Human Research Tactics |
| 2021 | Consulting for Navy Research Laboratory |
| 2016 | Expert Witness in Pinal County Trial |
| 2016 | Expert Consulting for the Justin Ross Harris Case |
| 2014 | Delivered Cognitive Science Lecture |
| 2014 | Expert Witness in Pinal County Trial |
| 2014 | Delivered Psychology Alumni Talk |
| 2012 | Race & Shakespeare |
| 2012 | AZSCITECH Festival (The Science of Baseball) |
| 2011-2013 | Bringing Psychological Science to the ASU Homecoming Festivities |
| 2011 | Brain Fair Participant |

REFERENCES

Dr. Mark McDaniel
Department of Psychology
Washington University

Dr. Nash Unsworth
Department of Psychology
University of Oregon

Dr. Arthur Glenberg
Department of Psychology
Arizona State University

Dr. Sam McClure
Department of Psychology
Arizona State University

Dr. Read Montague
Fralin Biomedical Research Institute
Virginia Polytechnic Institute & State University

PROFESSIONAL PRESENTATIONS (COMPLETE)

- Celaya, X.L., Torres, A.S., Bina, R.W., McClure, S.M., Bae, G.Y., Barbosa, L.S., Lohrenz, T., Twomey, T., Batten, S.R., **Brewer, G.A.**, & Montague, P.R. (2023). Using Machine-Learning Enhanced Voltammetry to Assess Dopaminergic Signaling During Working Memory Gating & Maintenance. Presented at Cognitive Neuroscience Society, San Francisco, CA.
- Torres, A.S., **Brewer, G. A.**, Robison, M. K., McClure, S., Helms-Tillery, S. (2022). *An Experimental Evaluation of Transcranial Direct Current Stimulation of the Trigeminal Nerve on Attention & Arousal*, poster presented at the Psychonomic Society conference, November 16-19, 2022.
- Celaya, X. & **Brewer, G. A.** (2022). *An Examination of the Impact of Drug-Use History on Prospective Memory*, poster presented at the Psychonomic Society conference, November 16-19, 2022.
- Alucard, M., Murphey, D. H., & **Brewer, G. A.** (2022). *Memory Retrieval When Responsible Remembering Fails: An Individual Differences Approach*, poster presented at the Psychonomic Society conference, November 16-19, 2022.
- Pages, E. & **Brewer, G. A.** (2022). *The Effect of Humor on Paired Associate Learning*, poster presented at the Psychonomic Society conference, November 16-19, 2022.
- Torres, A.S., Robison, M. K., & **Brewer, G. A.** (2021). *Measurement of Pupil Dynamics*, poster presented at the Cognitive Neuroscience Society conference, March 13-16, 2021.
- Ellis, D.M. Elliott, B.L., McClure, S.M., **Brewer, G.A.** (2021). *Hippocampal Volume and Problem Solving*, poster to be presented at the Cognitive Neuroscience Society conference, March 13-16, 2021.
- Elliott, B.L., Strayer, D.L., Robison, M.K., Blais, C., McClure, S.M., **Brewer, G.A.** (2020). *Decoding Pre-trial Pupil Diameter from EEG dynamics in an Auditory Oddball Task*, poster presented at the Psychonomic Society annual conference, November 19-21, 2020.
- 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,
- 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.
- Elliott, B.L., Blais, C., Stefanidi, A., **Brewer, G.A.** (2020). *The Structure of Important*

Concepts in Human Semantic Memory, poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA, May 14-15, 2020.

- Elliott, B.L., Strayer, D.L., Robison, M.K., Blais, C., McClure, S.M., **Brewer, G.A.** (2020). *Decoding Pre-trial Pupil Diameter from EEG dynamics in an Auditory Oddball Task*, poster presented at the Cognitive Neuroscience Society conference, Boston, MA, March 14-17, 2020.
- Ellis, D. M., & **Brewer, G. A.** (2020, Fall). *Inter- & intra-individual differences in associative distance predicts multiply-constrained problem solving*. Poster presented at the annual Society for Neuroscience Creativity meeting (Online).
- Ellis, D. M., & **Brewer, G. A.** (2020, Fall). *Inter- & intra-individual differences in associative distance predicts multiply-constrained problem solving*. Poster presented at the annual Psychonomic Society meeting in Austin, TX (Online).
- Ellis, D. M., Robison, M., & **Brewer, G. A.** (2019, Fall). *The effects of acute pain on problem solving*. Poster presented at the annual Psychonomic Society meeting in Montreal, Quebec, Canada.
- Robison, M., Ellis, D. M., **Brewer, G. A.** (2019, Spring). *Acute pain disrupts sustained attention*. Poster presented at the annual Cognitive Neuroscience Society meeting in San Francisco, CA.
- Elliott, B.L., Stefanidi, A., **Brewer, G.A.** (2019). *Memory and importance: memory accessibility biases judgments of importance*, poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA May 13-14, 2019.
- Strayer, D. L., Robison, M.K., & **Brewer, G. A.** (2019, July). Testing the adaptive gain theory using pupillometry guided event-related potentials. Poster presented at the Banner Neuroscience Scholar Summer Symposium, Tempe, AZ.
- Wingert, K. M., Redick, T. S., & **Brewer, G. A.** (2019). *A mechanistic account of the relation between working memory capacity and fluid intelligence*. Poster presented at the annual meeting of the Psychonomic Society 2019, Montréal, Québec, Canada.
- 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.
- 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.

- Brewer, G.A., & Ball, H.** (2018, Summer). Subjective Control Over Encoding Influences Event-Based Prospective Memory Cue Detection. Paper delivered at the Symposium for Prospective Memory in Heidelberg, Germany.
- Thibault, S. A., Schmitt, M., Sioni, S. R., Leviyev, S., Roberts, N. A., Burluson, M. H., Northover, S., Wingert, K., Ellis, D., Blais, C., **Brewer, G. A.**, Cohen, A. B. (2018, May). *The influence of costly signaling and religious ingroup on trust decisions*. Poster to be presented at the Association for Psychological Science Annual Convention, San Francisco, CA.
- Thibault, S. A., Schmitt, M., Roberts, N. A., Burluson, M. H., Northover, S., Wingert, K., Ellis, D., Blais, C., **Brewer, G. A.**, Cohen, A. B. (2018, March). *The influence of emotional experience on trust decisions*. Poster presented at the Society for Personality and Social Psychology Annual Emotions Pre-Conference, Atlanta, GA.
- Elliott, B.L., Blais, C., McClure, S. M., **Brewer, G.A.** (2018). *Neural correlates underlying the effect of value on recognition memory encoding*, poster presented at the ASU UofA annual conclave, Tempe, AZ December 2, 2018.
- Elliott, B.L., Blais, C., McClure, S. M., **Brewer, G.A.** (2018). *Neural correlates underlying the effect of value on recognition memory encoding*, poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA November 15-18, 2018.
- Elliott, B.L., Blais, C., McClure, S. M., **Brewer, G.A.** (2018). *Neural correlates underlying the effect of value on recognition memory encoding*, poster presented at the Society for Neuroscience annual conference, San Diego, CA November 3-7, 2018.
- Cayer, M., Elliott, B.L., Blais, C., **Brewer, G.A.** (2018). *Source memory for gains and losses: An ERP investigation*, poster presented at the Banner Alzheimers Institute Neuroscience Scholars Symposium, Tempe, AZ July 26, 2018.
- Elliott, B.L., Blais, C., McClure, S.M., **Brewer, G.A.** (2018). *Neural correlates underlying the effect of value on recognition memory encoding*, poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA May 7-8, 2018.
- Elliott, B.L., Blais, C., McClure, S.M., **Brewer, G.A.** (2018). *Neural correlates underlying the effect of value on recognition memory encoding*, poster presented at ASU Institute for Social Science Research annual symposium, Tempe, AZ April 25, 2018.
- Elliott, B.L., McClure, S.M., **Brewer, G.A.** (2018). *Individual differences in value-directed encoding*, poster presented at the Cognitive Neuroscience Society conference, Boston, MA March 24-27, 2018.
- Vogel, A. E., Arnett, C., Blais, C., **Brewer, G. A.**, (2018). *An Assessment of Learning Rates in Habitual Prospective Memory* Poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA.

- 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.
- Ellis, D. M. & **Brewer, G. A.** (2018, Fall). *Cognitive Abilities & Multiply-Constrained Problem Solving*. Poster presented at the annual Psychonomic Society meeting in New Orleans, LA.
- 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.
- 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.
- Thibault, S. A., Schmitt, M., Ornelas, D. I., Roberts, N. A., M., Burleson, M. H., **Brewer, G. A.**, & Cohen, A. B. (2017, November). *Psychophysiological correlates of emotion and trust*. Poster presented at the Institute for Social Science Research Poster Competition, Tempe, AZ.
- Arnett, C., Vogel, A. E., Blais, C., **Brewer, G. A.** (2017). *An Exploration of Event-Related Potentials in Habitual Prospective Memory and its Implications for Individuals with Acquired Brain Injuries*. Poster presented at the Cognitive Psychology Conclave, Tucson, AZ
- Elliott, B.L., McClure, S.M., **Brewer, G.A.** (2017). *Individual differences in value-directed encoding*, poster presented at the at the ASU UofA annual conclave, Tucson, AZ December 2, 2017.
- Elliott, B.L., McClure, S.M., **Brewer, G.A.** (2017). *Individual differences in value-directed encoding*, poster presented at the annual meeting of the Psychonomic Society, Vancouver, Canada November 9-12, 2017.
- Elliott, B.L., McClure, S.M., **Brewer, G.A.** (2017). *Individual differences in value-directed encoding*, poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA May 4-5, 2017.
- Elliott, B.L., Blais, C., **Brewer, G.A.** (2017). *EEG oscillations and value-based recognition memory*, poster presented at the Cognitive Neuroscience Society conference, San Francisco, CA March 25, 2017.
- Whitehead, P.S., **Brewer, G.**, Blais, C. (2017). *ERP Evidence for Conflict in Contingency Learning*. Cognitive Neuroscience Society Conference, San Francisco, CA. March 25-28. Poster.
- Pitães, M.**, Blais, C., Karoly, P., Morris, O., & Brewer, G. A. (November, 2016). *Acute Pain Disrupts Prospective Memory Cue Detection Processes*. Poster presented at the annual meeting of the Psychonomic Society. Boston, MA.

- 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.
- Elliott, B.L., **Brewer, G.A.** (2016). *The effects of divided attention at encoding on value directed recognition memory*, poster presented at the ASU UofA annual conclave, Tempe, AZ December 5, 2016.
- Elliott, B.L., Brewer, G.A. (2016). *The effects of divided attention at encoding on value directed recognition memory*, poster presented at the annual meeting of the Psychonomic Society, Boston, MA November 20, 2016.
- Elliott, B.L., Blais, C., **Brewer, G.A.** (2016). *Neural correlates underlying the effect of value on recognition memory*, poster presented at Cognitive Neuroscience Society conference, New York, NY April 2-5, 2016.
- Ellis, D. M.,** Blais, C., & Brewer, G. A. (2016, Winter). *Video Games and MONSTER: An EEG and working memory analysis*. Poster presented at Arizona State University Behavioral Neuroscience Symposium in Tempe, AZ.
- Brewer, G.A.,** Wingert, K., Ellis, D., Blais, C., Cohen, A. (2016, Summer). *Who Can You Trust*. Poster presented at the International Conference on Memory 6 in Budapest, Hungary.
- Brewer, G.A.,** Elliot, B., Blais, C. (2016, Summer). *ERP Signatures of Value-Directed Remembering in Recognition Memory Paradigm*. Poster presented at the International Conference on Memory 6 in Budapest, Hungary.
- Blais, C., Ellis, D. M., Wingert, K., Cohen, A. B., & **Brewer, G. A.** (2016 Winter). *Trust decisions are mediated by alpha suppression over parietal electrode sites*. Poster presented at Cognitive Neuroscience Society Annual Meeting in New York, NY.
- Jondac, J., Patwary, N., Ellis, D. M., Blais, C., & **Brewer, G. A.** (Winter, 2016). *Neural Correlates of Preference in Video Game Trailers*. Presented at Arizona State University's Barrow Neurological Institute 6th Annual Research Symposium in Phoenix, AZ.
- Ellis, D. M., Blais, C., & **Brewer, G. A.** (2016, Winter). *Video Games and Working Memory*. Presented at Arizona State University's Barrow Neurological Institute 6th Annual Research Symposium in Phoenix, AZ.
- Blais, C., Whitehead, P.S., **Brewer, G.A.** (2016). *Is Cognitive Control Unreliable? When Means are not Enough*. Arizona State University's Barrow Neurological Institute 6th Annual Research Symposium in Phoenix, AZ. January 7, 2016. Poster.
- Brewer, G.A.,** Elliott, B.L., Blais, C. (2016). *Neural correlates of value directed recognition memory*, Talk given at Barrow Neurological Institute Neuroscience Research Symposium, Phoenix, AZ January 7, 2016.

- Blais, C., Whitehead, P.S., **Brewer, G.A.** (2015). *Is Cognitive Control Unreliable? When Means are not Enough*. Psychonomic Society conference, Chicago, IL. November 19-22, 2015. Poster.
- Wingert, K, Ball, B. H., Blais, C., & **Brewer, G. A.** (2015). *Negative arousing images impair working memory encoding*. Poster presented at the annual meeting of the Psychonomic Society 2015, Chicago, IL.
- Cohen, A. B., Hall, D., & **Brewer, G. A.** (2015, March). Religious costly signaling increases trust. In K. Laurin, chair, Religious dimensions and morality: Perspectives on a multifaceted relationship. Symposium conducted at ICPS conference, Amsterdam.
- Ellis, D. M., Blais, C., & **Brewer, G. A.** (2015, Winter) *EEG and Game Trailers*. Poster presented at Game User Research Summit 2015 at Sony PlayStation N.America Conference Facilities in San Mateo, CA.
- 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 to be presented at the annual meetings of the Psychonomic Society, Toronto, Ontario.
- Brewer G. A.** & Stefanidi, A. *Memory and Importance: Memory Accessibility Biases Judgments of Importance* (November 2014). Paper to be presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Stefanidi, A. & **Brewer, G. A.** *The Accessibility of Subjectively Important Information From Memory* (November 2014). Poster to be presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Blais, C. & Stefanidi, A., & **Brewer, G.A.** (November 2014). A Gratton effect in the absence of awareness of conflict: Evidence for implicit performance monitoring. Poster to be presented at the 55th annual meeting of the Psychonomic Society, Long Beach, CA, November, 2014.
- Pitães, M., 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.
- Wingert, K, Lau, K., Ball, H., Blais, C., & **Brewer, G. A.** (2014). *A tail about executive-control depletion: Mu, not tau, gets tired*. Poster presented at the annual meeting of the Psychonomic Society 2014, Long Beach, CA.
- Pitães, M., & **Brewer, G. A.** (2014). *Individual Differences in Trustworthiness Judgments*. Poster presented at the Western Psychological Association Conference, April 24, 2014. Portland, OR.

Stefanidi, A., Ball, B. H., & **Brewer, G. A.** (2014). *Emotional Faces Produce Metacognitive Illusions in Face-Name Learning*. Poster presented at the Western Psychological Association Conference, April 24, 2014. Portland, OR.

Brewer, G. A., Pitães, M., & Ball, B.H. (2014). *Commission Errors in Prospective Memory: the role of implementation intentions*. Paper presented at the 4th International Conference on Prospective Memory, May , 2014. Naples, Italy.

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.

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.

Ball, B. H., **Brewer, G. A.** *Stable Individual Differences Across Multiple False Memory Paradigms* (November, 2013). Paper presented at the annual meetings of the Psychonomic Society, Toronto, Ontario.

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.

Pitães, M., Ball, B. H., & **Brewer, G. A.** (2013). *Exploring Individual Differences in Prospective Memory Output-Monitoring*. Poster presented at the Annual Meeting of the Psychonomic Society 2013, Ontario, Canada.

Talboom, K., Rice, D., Ball, B. H., **Brewer, G. A.** (November 2013). *Speaking aloud improves Ravens Advanced Progressive Matrices performance*. Poster presented at the annual meeting of the Psychonomic Society 2013, Ontario, Canada.

Ware, J., Ball, B. H., & **Brewer, G. A.** (2013, March). Shooting behavior: How individual differences in working memory capacity influence the decision to shoot. Poster presented at the American Psychology-Law Society Conference, Portland, OR.

Ball, B., Talboom, K., Eren, S., & **Brewer, G.A.** (November, 2012). Self-controlled encoding processes benefit future intention fulfillment. Poster accepted at the annual meeting of the Psychonomic Society 2012, Minneapolis, MN.

Charnell, P., Rice, D., Klein, K., Ware, J., Kimpton, N., Johnson, K., Cohen, A., Talboom, K., Ball, H., & **Brewer, G.A.** (February, 2012). On being an individual who differs. Paper presented at the Cognition, Action, & Perception Seminar, Tempe, AZ.

- Ball, B. H., **Brewer, G. A.**, DeWitt, M. R., Knight, J. B., Marsh, R. L., & Hicks, J. L. (May, 2011). Successful Source Memory in the Absence of Item Memory. Poster presented at the annual Context and Episodic Memory Symposium, Bloomington, IN.
- Ball, B. H., Knight, J. B., DeWitt, M. R., **Brewer, G. A.**, Marsh, R. L., Hicks, J. L. (December, 2011). Semantic Context Affects False Memories. Poster presented at the Joint ASU-UA Conclave, Tucson, AZ.
- Ware, J., Klein, K., Kimpton, N., Ball, B. H., & **Brewer, G. A.** (December 2011). Shooting behavior: How individual differences in working memory capacity influence the decision to shoot. Paper presented at the second annual University of Arizona / Arizona State Cognitive Science Conclave, Tucson, AZ.
- Brewer, G. A.**, Grunfeld, I. S., Camp, B. W., Baxter, L. C., McBeath, M. K., & Bimonte-Nelson, H. A. (November, 2011). Working Memory in Rats and Humans. Paper presented at the annual meeting of the Psychonomic Society, Seattle, WA.
- Ball, B. H., **Brewer, G. A.**, DeWitt, M. R., Knight, J. B. (November, 2011). Individual Differences in the Delayed-Execution of Prospective Memories. Poster presented at the annual meetings of the Psychonomic Society, Seattle, WA.
- Brewer, G. A.** (August, 2011). Reducing Cryptomnesia by Employing Source Monitoring Decision Criteria. Paper presented at the 5th International Conference on Memory, York, UK.
- Brewer, G. A.**, Ball, B. H., Knight, J. B., & Dewitt, M. (August, 2011). Metacognition and Prospective Memory. Paper presented at the 5th International Conference on Memory, York, UK.
- Brewer, G. A.** (November, 2010). Mind Reading: Judging the Reality of Others' Memories. Data Blitz presented at the first annual University of Arizona / Arizona State Cognitive Science Conclave. Tempe, AZ.
- Brewer, G. A.** (July, 2010). Intention Formation and Retrieval: A Model of Delaying Behavior for the Future. Paper presented at the 3rd International Conference for Prospective Memory, Vancouver, BC.
- Brewer, G. A.**, Spillers, G. J., Unsworth, N. (April, 2010). *Working Memory, Interference, and the Testing Effect*. Poster presented at the Context and Episodic Memory Conference, Philadelphia, PA.
- Spillers, G.J., **Brewer, G.A.**, & Unsworth, N. (April 2010). *Individual differences in working memory capacity and variation in the temporal-contextual dynamics of retrieval in free recall*. Poster presented at the annual Context and Episodic Memory Symposium 2010, Philadelphia, PA.

- Knight, J. B., **Brewer, G. A.**, Clementz, B. A., & Marsh, R. L. (April, 2010). On the role of attentional processes in event-based prospective memory. Poster presented at the annual meetings of the Cognitive Neuroscience Society, Montréal, Canada.
- Brewer, G. A.** (March, 2010). Memory for the Future. Paper presented at PSI CHI 2010 Conference at The University of Georgia, Athens, GA.
- 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.
- Bobilev, A., Spillers, G.J., **Brewer, G.A.**, & Unsworth, N. (March 2010). *Variation in working memory capacity and directed forgetting*. Poster presented at PSI CHI 2010 Conference at The University of Georgia, Athens, GA.
- Katz, S., **Brewer, G.A.**, Spillers, G.J., & Unsworth, N. (March 2010). *Metacognitive Illusions*. Poster presented at PSI CHI 2010 Conference at The University of Georgia, Athens, GA.
- Brewer, G. A.**, Knight, J. B., Spillers, G. J., Unsworth, N., & Marsh, R. L. (November, 2009). *Individual Differences in Event-Based Prospective Memory*. Poster presented at the annual meetings of the Psychonomic Society, Boston, MA.
- Brewer, G. A. & **Brewer, G. A.** (March 2009). *Answering the Call of Public Service in a Time of Turbulence and Opportunity*. Keynote Lecture for Pi Sigma Alpha National Political Science Honor Society's Spring Banquet at the University of North Carolina, Charlotte.
- Brewer, G. A. & **Brewer, G. A.** (March 2009). *Parsing Public/Private Differences: An Experimental Study*. Invited colloquium given at the University of North Carolina, Charlotte.
- Brewer, G. A.**, Spillers, G. J., Unsworth, N. (March, 2009). *Primary Memory and Secondary Memory Jointly Determine Working Memory Capacity*. Poster presented at the annual meetings of the American Psychological Society, San Francisco, CA.
- Brewer, G. A.**, & Spillers G. J. (March, 2009). *Individual Differences in Susceptibility to Proactive Interference*. Paper presented at PSI CHI 2009 Conference at The University of Georgia, Athens, GA.
- Katz, S., Thomassin, K., **Brewer, G. A.**, Spillers, G. J., Unsworth, N. (March 2009). *Mood and Fluency*. Poster won the PSI CHI 2009 Undergraduate Research Award at The University of Georgia, Athens, GA.
- Spillers, G. J., **Brewer, G. A.**, Unsworth, N. (March 2009). *Individual Differences in Retrieval from Secondary Memory: Encoding or Retrieval Phenomena?* Poster presented at PSI CHI 2009 Conference at The University of Georgia, Athens, GA.

- McMillan, B., **Brewer, G. A.**, Spillers, G. J., Unsworth, N. (March 2009). *Inabilities to Find Training after 3,500 Trials on an Executive Control Task*. Poster presented at PSI CHI 2009 Conference at The University of Georgia, Athens, GA.
- Brewer, G. A.** (March 2009). *Testing Dual Process Theories of Memory*. Paper presented at the Cognitive & Neuroscience Brownbag Series at The University of Georgia, Athens, GA.
- Clark-Foos, A., Meeks, J. T., Knight, J. B., **Brewer, G. A.**, & Marsh, R. L. (February, 2009). *Semantic Sense Affects Source Monitoring*. Poster presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Brewer, G. A.**, Clark-Foos, A., Meeks, J. T., Knight, J. B., & Marsh, R. L. (February, 2009). *The Role of Declarative Knowledge in Encoding Prospective Memories*. Poster presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Meeks, J. T., Clark-Foos, A., **Brewer, G. A.**, Knight, J. B., & Marsh, R. L. (February, 2009). *Stimulus Effects on Rejection Processes in a Recognition Memory Test*. Poster presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Knight, J. B., **Brewer, G. A.**, Clark-Foos, A., Meeks, J. T., & Marsh, R. L. (February, 2009). *Lure Interference in Event-Based Prospective Memory*. Paper presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Brewer, G. A.**, Clark-Foos, A., Marsh, R. L., Meeks, J. T., Foos, Paul. W. (November, 2008). *Noncriterial Recollection Affects Feelings of Knowing*. Poster presented at the annual meetings of the Psychonomic Society, Chicago, IL.
- Brewer, G. A.**, Clark-Foos, A., Marsh, R. L., & Meeks, J. T. (November, 2008). *The Testing Effect Does Not Uniformly Change Source Monitoring*. Poster presented at the annual meetings of the Psychonomic Society, Chicago, IL.
- Brewer, G. A.**, Meeks, J. T., Clark-Foos, A., Cook, G. I., & Marsh, R. L. (May, 2008). *Self Initiated Cueing and Activity-Based Prospective Memory*. Poster presented at the annual meetings of the American Psychological Society, Chicago, IL.
- Clark-Foos, A., **Brewer, G. A.**, Meeks, J. T., Marsh, R. L., Foos, P. W., & Clark, C. (May, 2008). *The influence of noncriterial information on metacognitive search strategies*. Poster presented at the annual meetings of the American Psychological Society, Chicago, IL.
- Brewer, G. A.** (March 2008). *The Testing Effect Depends on Retrieval Dynamics*. Paper presented at PSI CHI 2008 Conference at The University of Georgia, Athens, GA.
- Brewer, G. A.**, Clark-Foos, A., Meeks, J. T., & Marsh, R. L. (March, 2008). *Grand Theft Plagiarism: Stealing Less When We Will Get Caught*. Poster to be presented at the annual meetings of the Southeastern Psychological Association, Charlotte, NC.

- Brewer, G. A.** (March 2008). *Applications of Finite Mixture Modeling to a Signal Detection Analysis of Source Discrimination*. Paper presented at the Cognitive & Neuroscience Brownbag Series at The University of Georgia, Athens, GA.
- Clark-Foos, A., **Brewer, G. A.**, Meeks, J. T., & Marsh, R. L. (March, 2008). *Judging reality: I've got to admit it's getting better*. Poster to be presented at the annual meetings of the Southeastern Psychological Association, Charlotte, NC.
- Meeks, J. T., Clark-Foos, A., **Brewer, G. A.**, Hicks, J. L., & Marsh, R. L. (March, 2008). *Utilizing Retrieval Modes: Improving Memory on the Front End*. Poster to be presented at the annual meetings of the Southeastern Psychological Association, Charlotte, NC.
- Meeks, J. T., Cook, G. I., Clark-Foos, A., **Brewer, G. A.**, & Marsh, R. L. (November, 2007). *Careful Inspection of Memory Reduces Recognition Memory Accuracy*. Poster presented at the annual meetings of Psychonomic Society, Long Beach, CA.
- Brewer, G. A.** (March 2007). *Reducing Cryptomnesia by Employing Source Monitoring Decision Criteria*. Paper presented at PSI CHI 2007 Conference at The University of Georgia, Athens, GA.
- Brewer, G. A.**, Clark-Foos, A., Meeks, J. T., & Marsh, R. L. (February, 2007). *Valenced context affects event-based prospective memory*. Poster presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Clark-Foos, A., **Brewer, G. A.**, Meeks, J. T., & Marsh, R. L. (February, 2007). *Emotionally arousing stimuli survive taxation of processing resources*. Paper presented at the annual meetings of the Southeastern Psychological Association, New Orleans, LA.
- Brewer, G. A.**, Clark-Foos, A., & Porter, B. (December, 2006). *Power of 10-Hz Steady State Visual Evoked Field Responses in a Magnetoencephalogram as a Function of Steady State Duration*. Paper presented at the first annual meeting of the Bioimaging Research Center, Athens GA.
- Clark-Foos, A., **Brewer, G. A.**, & Porter, B. (December, 2006). *Power of 10-Hz Steady State Visual Evoked Potentials in an Electroencephalogram as a Function of Steady State Duration*. Paper presented at the first annual meeting of the Bioimaging Research Center, Athens GA.
- Hoy, E. A., Frigaszy, D., **Brewer, G. A.**, Johnson-Pynn, J., and Murnane, A. (2005). *A comparison of the ability of chimpanzees (Pan troglodytes) and capuchin monkeys (Cebus apella) to solve two-dimensional detour problems*. Poster presented at the Comparative Cognition Conference, Melbourne, Florida.

Brewer, G. A. & Pike, C. (March, 2004). Survey the States: An Interactive Teaching Method For Statistics. Presented at the 3rd Annual Teaching Matters Conference at Gordon College, Barnesville, GA.