

Heather Bailey

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EDUCATION AND EMPLOYMENT

- 2020- Kansas State University, Associate Professor
- 2013-2020 Kansas State University, Assistant Professor
- 2009-2013 Washington University in St. Louis, Postdoctoral fellow
Mentor: Jeffrey Zacks
- 2005-2009 Kent State University: Ph.D., Cognitive Psychology, August 2009
Mentor: John Dunlosky
- 2003-2005 Wake Forest University: M.A., Experimental Psychology, 2005
Mentor: Dale Dagenbach
- 1999-2002 Southern Illinois University Edwardsville, B.S., Psychology, 2002

FUNDING HISTORY

Funded Research Support

- National Institutes of Health (R01): "The role of prior knowledge and event segmentation in age- and Alzheimer's-related changes in event memory", \$1,952,529 (direct), 2022-2027, Role: PI.
- Kansas State University, Game-Changing Research Initiation Program for exploratory research (GRIPex): "Training Artificial Intelligence Conversational Agents to Detect Early Cognitive Decline", \$224,438 (direct), 2024-2026, Role: Co-PI.
- National Institute of General Medical Sciences, P20 COBRE center grant, Cognitive and neurobiological approaches to plasticity (C-NAP) center, \$11.2M, 2022-2027, Role: PI/PD.
- Chapman Center for Rural Studies Interdisciplinary Research Grant: "It Takes a Village: A Multi-disciplinary Project to Assess Impacts and Outcomes of an Intergenerational program in a Rural Kansas Community", \$15,000, 2024-2025, Role: Co-I.

Submitted/Pending Research Support

- National Institutes of Health (R01): "Psychometric Conversational AI for Detecting and Monitoring Cognitive Decline Associated with Preclinical and Early-Stage Alzheimer's Disease"; 2026-2031; Role: Co-I.

Completed Research Support

National Institutes of Health (R21): “Neurodegenerative mechanisms of motor, executive, and memory decline in females with Fragile X-associated tremor/ataxia syndrome (FXTAS)”, \$465,831 (direct) [subaward: \$38,934 (direct)]; 2022-2024, Role: Co-I.

National Institutes of Health (COBRE P20): “Plasticity in aging and memory for everyday activities”, \$735,707 (direct), 2017-2022, Role: Project Lead.

Kansas State University, Faculty Development Award, “Can semantic knowledge protect against age-related declines in memory for everyday activities?”, bi-annual International Meeting of the Psychonomic Society, \$2,637, May 10-12, 2018, Amsterdam, Netherlands.

Kansas State University, University Small Research Grant, “Plasticity in Aging and Memory for Everyday Events”, \$4,000, 2014, Role: PI.

Wichita State University and Kansas State University, COBRE project development grant: “Transfer effects of perceptual learning on driving-related cognitive tasks”, \$12,100, 2013, Role: PI.

National Institutes of Health (NRSA): “Situation model updating in young and older adults”, \$170,128, 2011-2014, Role: PI.

PUBLICATIONS (graduate students in *italics*; undergraduate students denoted with *)

Peer-Reviewed Journal Articles

Gautam, N., Durrett, G., Caragea, D. & Bailey, H. (in press). Assessment of memory recall and cognitive health using large language models. *Brain Informatics*.

McGatlin, K., Shafer, R. L., Unruh, K. E., *Stevens, C. J.*, Peterson, S. G., Dubinsky, R. M., Lee, A. P., Tassone, F., Hagerman, R. J., **Bailey, H.**, & Mosconi, M. W. (2025). Reduced sensorimotor, working memory, and episodic memory abilities in aging female *fMRI* premutation carriers with and without fragile X-associated tremor/ataxia syndrome (FXTAS). *Genes*, *16*(11), 1331. <https://doi.org/10.3390/genes16111331>

Bailey, H. & Smith, M. E. (2025). Event perception guides real-world memory. *Nature Reviews Psychology*.

Smith, M. E., Loschky, L. C., & Bailey, H. (2024). Eye movements and event segmentation: Eye movements reveal age-related differences in event model updating. *Psychology and Aging*, *39*, 180.

Payne, K. B., Brazil, C. K., Apel, M. & Bailey, H.* (2023). Knowledge-based intervention improves older adult recognition memory for novel activity, but not event segmentation or temporal order memory. *Scientific Reports*, *13*(1), 18679.

Smith, M. E., Loschky, L. C., & Bailey, H. (2023). Eye movements and event segmentation: Eye movements reveal age-related differences in event model updating. *Psychology & Aging*, *38*.

- Pitts, B. L., Eisenberg, M. L., **Bailey, H. R.**, & Zacks, J. M. (2023). Cueing natural event boundaries improves memory in people with post-traumatic stress disorder. *Cognitive Research: Principles and Implications*, 8(1), 1-10.
- Smith, M. E., Kurby, C. A., & **Bailey, H.** (2023). Events shape long-term memory for story information. *Discourse Processes* 60(2), 141-161.
doi:<https://doi.org/10.1080/0163853X.2023.2185408>.
- Pitts, B. L., Eisenberg, M. L., **Bailey, H. R.**, & Zacks, J. M. (2022). PTSD is associated with impaired event processing and memory for everyday events. *Cognitive research: principles and implications*, 7(1), 1-13.
- Smith, M. E., Pitts, B. L., Newberry, K. M., Elbishari, Y., & **Bailey, H.** (2022). Prior knowledge shapes older adults' perception and memory for everyday events. *Psychology of Learning and Motivation: Cognitive Aging*, 77, 233.
- Pitts, B. L., Newberry, K. M., Smith, M. E., & **Bailey, H.** (2022). Semantic knowledge attenuates age-related differences in event segmentation and episodic memory. *Memory & Cognition*, 50, 586-600.
- Smith, M. E., Loschky, L. C., & **Bailey, H.** (2021). Knowledge guides attention to goal-relevant information in older adults. *Cognitive Research: Principles and Implications*, 6, 1-22.
- Peterson, J. J., Rogers, J.*, & **Bailey, H.** (2021). Memory for dynamic events when event boundaries are accentuated with emotional stimuli. *Collabra*, 7, 24451.
- Kenney, K. L., & **Bailey, H.** (2021). Low-stakes quizzes improve learning and reduce overconfidence in college students. *Journal of the Scholarship of Teaching and Learning*, 21.
- Newberry, K. M., Feller, D., & **Bailey, H.** (2021). Influence of domain knowledge on segmentation and memory. *Memory & Cognition*, 49, 660-674.
- Crawford, L. M*, & **Bailey, H.** (2020). High-intensity fitness improves functional fitness and cognition in older adults. *Journal of Psychological Inquiry*, 24, 5-10. ***Winner of the Elizabeth A Dahl, PhD., Award for Excellence in Undergraduate Research.***
- Smith, M. E., Newberry, K. M., & **Bailey, H.** (2020). Differential effects of knowledge and aging on the encoding and retrieval of everyday activities. *Cognition*, 196, <https://doi.org/10.1016/j.cognition.2019.104159>.
- Newberry, K. M., & **Bailey, H.** (2019). Semantic knowledge influences event segmentation and recall of text. *Memory & Cognition*, 1-15.
- McGatlin, K. C.*, Newberry, K. M., & **Bailey, H.** (2018). Temporal chunking makes life's events more memorable. *Open Psychology*, 1, 94-105.
- Bui, J., Pyc, M. A., & **Bailey, H.** (2018). When people's judgments of learning (JOLs) are extremely accurate at predicting subsequent recall: The "Displaced-JOL Effect". *Memory*, 26, 771-783.

- Bailey, H.,** Kurby, C. A., Sargent, J. Q., & Zacks, J. M. (2017). Attentional focus affects how events are segmented and updated in narrative reading. *Memory & Cognition, 45,* 940-955.
- Flores, S., **Bailey, H.,** Eisenberg, M. L., & Zacks, J. M. (2017). Event segmentation improves event memory up to one month later. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 43,* 1183-1202.
- Bailey, H.,** Sargent, J. Q., Flores, S., Zacks, J. M., Nowotony, P., & Goate, A. (2015). APOE ϵ 4 genotype status predicts everyday memory. *Aging, Neuropsychology, and Cognition, 22,* 639-666.
- Bailey, H.,** & Zacks, J. M. (2015). Situation model updating in young and older adults: Global vs. incremental mechanisms. *Psychology and Aging 30,* 232-244.
- Bailey, H.,** Dunlosky, J., & Hertzog, C. (2014). Does strategy training reduce age-related deficits in working memory? *Gerontology, 60,* 346-356.
- Bailey, H.,** Kurby, C. A., Giovannetti, T., & Zacks, J. M. (2013). Action perception predicts action performance. *Neuropsychologia, 51,* 2294-2304.
- Sargent, J. Q., Zacks, J. M., Hambrick, D. Z., Zacks, R. T., Kurby, C. A., **Bailey, H.,** Eisenberg, M. L., & Beck, T. M. (2013). Event segmentation ability uniquely predicts memory across the lifespan. *Cognition, 129,* 241-255.
- Bailey, H.,** Zacks, J. M., Hambrick, D. Z., Zacks, R. T., Head, D., Kurby, C. A., & Sargent, J. Q. (2013). Medial temporal lobe volume predicts elders' everyday memory. *Psychological Science, 24,* 1113-1122.
- Bailey, H.** (2012). Computer-paced versus experimenter-paced working memory span tasks: Are they equally reliable and valid? *Learning and Individual Differences, 22,* 875-881.
- Was, C. A., Dunlosky, J., **Bailey, H.,** & Rawson, K. A. (2012). The unique contributions of the facilitation of procedural memory and working memory to individual differences in intelligence. *Acta Psychologica, 3,* 425-433.
- Was, C. A., Rawson, K. A., **Bailey, H.,** & Dunlosky, J. (2011). Content-embedded tasks beat complex span for predicting comprehension. *Behavioral Research Methods, 43,* 910-915.
- Bailey, H.,** Dagenbach, D., & Jennings, J. M. (2011). The locus of the benefits of repetition lag memory training. *Aging, Neuropsychology, and Cognition, 18,* 577-593.
- Bailey, H.,** & Zacks, J. M. (2011). Literature and event understanding. *Scientific Study of Literature, 1,* 72-78.
- Bailey, H.,** Dunlosky, J., & Kane, M. J. (2011). Contribution of strategy use to performance on complex and simple span tasks. *Memory & Cognition, 39,* 447-461.
- Bailey, H.,** Dunlosky, J., & Hertzog, C. (2010). Metacognitive training at home: Does it improve older adults' learning? *Gerontology, 56,* 414-420.

Ariel, R., Dunlosky, J., & **Bailey, H.** (2009). Agenda-based regulation of study-time allocation: When agendas override item-based monitoring. *Journal of Experimental Psychology: General*, *138*, 432-447.

Bailey, H., Dunlosky, J., & Hertzog, C. (2009). Does differential strategy use account for age-related differences in working-memory performance? *Psychology & Aging*, *24*, 82-92.

Bailey, H., Dunlosky, J., & Kane, M. J. (2008). Why does working memory span predict complex cognition? Testing the strategy-affordance hypothesis. *Memory & Cognition*, *36*, 1383-1390.

Dunlosky, J., Cavallini, E., **Roth, H.**, McGuire, C. L., Vecchi, T., & Hertzog, C. (2007). Do self monitoring interventions improve older adult learning? *Journals of Gerontology: Series B*, *62B*, 70-76.

Chapters

Sargent, J. Q., **Bailey, H.**, & Zacks, J. M. (2015). Perceptual segmentation of naturalistic events: Methods and applications. In J. Szalma, M. Scerbo, R. Parasuraman, P. Hancock, & R. Hoffman (Eds.), *Cambridge Handbook of Applied Perception Research*. Cambridge, UK: Cambridge University Press.

Dunlosky, J., **Bailey, H.**, & Hertzog, C. (2011). Memory enhancement strategies: What works best for obtaining memory goals? In P. E. Hartman-Stein & A. La Rue (Eds). *Enhancing cognitive fitness in adults: A handbook for the development of community-based programs*. (pp. 3-24). New York: Springer.

PUBLICATIONS UNDER REVIEW

Davoudkhani, M., Tollesfrud, M., & Bailey, H. (under review). Neural pattern stability within events is preserved across age. *Cerebral Cortex*.

Pradhan, R., *Davoudkhani, M., Bouslog, A.**, *McQueen, T.*, & **Bailey, H.** (under review). Separating the details while maintaining the story: Within event episodic integration and cross-event semantic contiguity in memory. *Frontiers in Psychology*.

*Smith, M. E., Brazil, C. K., Martin, L. E., Brucks, M. G., Power, J.**, & **Bailey, H.** (under review). An fMRI investigation of the effect of knowledge on event perception in young and older adults. *Psychology & Aging*.

Sun, T., **Bailey, H.**, Caragea, D., *Heron, X., Seitz, C., & Sylvara, A.* (under review). Measuring cognitive functioning in older adults using automated life narrative interviews via an artificial intelligence chatbot. *Psychology & Aging*.

PUBLICATIONS IN PREPARATION

Bailey, H., *Flores, S., McAvoy, M., & Zacks, J. M.* (in prep). Tell me something new: Neural correlates of situation model updating are preserved with age.

Bell, T., Zakrzewski, A. C., Wisniewski, M. G., & **Bailey, H.** (in prep). Using neural oscillations to differentiate memory strategies.

Pitts, B. L., Smith, M. E., Bell, T., **Bailey, H.**, Wisniewski, M. G., & Zakrzewski, A. C. (in prep). Using EEG to understand event model updating.

Simonson-Vargo, T. L., Hubbell, I., McGatlin, K. C., & **Bailey, H.** (in prep). Moving away from verbal-based measures of cognition: Using drawing to measure event comprehension and memory.

PRESENTATIONS (grad students in *italics*; undergraduate students denoted with *; since 2020)

*Leiker, A.**, *Zinkus, S.**, *Davoudkhani, M.*, & **Bailey, H.** (2026, April). Alpha Oscillations and Semantic Compensation in Aging Memory Systems. Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.

*Fortenberry, K.** & **Bailey, H.** (2026, April). Alzheimer's Disease in Context: Interpreting Clinical Symptoms and Blood-Based Biomarkers. Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.

*Manspeaker, S.**, *Sievers, K.* & **Bailey, H.** (2026, April). Memory trade-off and PTSD symptom severity. Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.

Davoudkhani, M., *Tollefsrud, M.*, McGatlin, K., *McQueen, T.*, *Edwards, O.*, *Bouslog, A.**, *Skinner, M.**, *Gibson, J.**, *Wickramasundara, A.**, Hernandez-Pavon, J., & **Bailey, H.** (2025, November). *Neural reactivation after boundaries in young and older adults*. Poster presented at the 66th Annual Meeting of the Psychonomic Society, Denver, CO.

Sievers, K., *Manspeaker, S.**, *Robinson, E.**, *Edwards, O.**, *McQueen, T.*, & **Bailey, H.** (2025, November). *Intentional versus incidental encoding effects on the central/peripheral effect of emotion* [poster]. Psychonomic Society Annual Meeting 2025, Denver, Colorado.

*Edwards, O. K.**, *Bell, T.*, & **Bailey, H.** (2025, April). Are strategies still effective in distracting conditions? Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.

*Edwards, O. K.**, *Bell, T.*, & **Bailey, H.** (2025, May). Are strategies still effective in distracting conditions? Talk presented at the annual Department of Psychological Sciences Research Symposium, Manhattan, KS.

*Gibson, J.**, *Robinson, E.**, *Scheuermann, B.*, *Ade, C.*, & **Bailey, H.** (2025). The occurrence of mild cognitive impairment: An assessment of cognitive function in cancer survivors after adjuvant chemotherapy. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Pradhan, R., Brucks, M., McGatlin, K., Bartolotti, J., *Bouslog, A.**, Martin, L., & **Bailey, H.** (2025) Investigating if functional connectivity between medial pre-frontal cortex and Hippocampus at encoding of event boundaries support prior knowledge leveraged

acquisition of novel information in older adults. Poster presented at the Annual meeting of the Cognitive Neuroscience Society, Boston, MA.

Mosconi, M. W., Shafer, R., Unruh, K. E., *Driggers, A.*,* Gardner S., Peterson S., Stevens C, McGatlin K, Lee A, Dubinsky R, Hagerman RJ, Tassone F, & **Bailey H.** (2025) Sensorimotor, memory, and brain changes associated with aging in females with premutation alleles of the Fragile X gene, FMR1. NICHD Gatlinburg Conference for Research in Intellectual and Developmental Disorders San Diego, CA.

Davoudkhani, M., Byarlay-McQueen, T., *Edwards, O.**, McGatlin, K., *Bouslog, A.**, *Wickramasundara, A.**, *Tollesfrud, M.*, *Gibson, J.**, & **Bailey, H.** (2025). Neural dynamics of event model maintenance across age during naturalistic viewing. Poster to be presented at the NEURAL Conference, University of Alabama at Birmingham, Birmingham, AL.

Davoudkhani, M., *Tollesfrud, M.*, Byarlay-McQueen, T., McGatlin, K., *Bouslog, A.**, *Wickramasundara, A.**, *Edwards, O.**, *Gibson, J.**, *Skinner, M.**, & **Bailey, H.** (2025). EEG correlates of event model stability in aging. Poster to be presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), Boston, MA.

Davoudkhani, M., Byarlay-McQueen, T., *Edwards, O.**, McGatlin, K., *Bouslog, A.**, *Wickramasundara, A.**, *Tollesfrud, M.*, *Gibson, J.**, & **Bailey, H.** (2025). Why do we remember some moments and forget others? Exploring brain activity and memory. Talk presented at the K-State Graduate Research, Arts, and Discovery Forum, Kansas State University, Manhattan, KS.

Davoudkhani, M., & **Bailey, H.** (2025). Sniffing out, memory loss. Talk presented at the Three Minute Thesis competition, Kansas State University, Manhattan, KS.

Davoudkhani, M., *Tollesfrud, M.*, McGatlin, K., *Edwards, O.**, *Bouslog, A.**, Byarlay-McQueen, T., *Skinner, M.**, & **Bailey, H.** (2024). How we remember: Age-related differences in event perception during movie viewing. Poster presented at Research and the State, Kansas State University, Manhattan, KS.

Davoudkhani, M., Wisniewski, M. G., *Tollesfrud, M.*, McGatlin, K., *Edwards, O.**, *Bouslog, A.**, Byarlay-McQueen, T., *Skinner, M.**, & **Bailey, H.** (2024). How we remember: Age-related differences in event perception during movie viewing. Poster presented at the annual Meeting of the Psychonomic Society, New York City, NY.

Pradhan, R., McGatlin, K., Brucks, M., Martin, L., *Skinner, M.**, *Warnes, E.**, Byarlay-McQueen, T., & **Bailey, H.** (2024). Investigating age-related differences in episodic encoding evoked by the variation in causal connectivity between naturalistic events. Poster presented at the annual Meeting of the Psychonomic Society, New York City, NY.

McGatlin, K., Unruh, K., *Driggers, A. J.**, *Stevens, C.*, *Peterson, S.*, Lee, A., Mosconi, M., & **Bailey, H.** (2024). Episodic long-term memory changes in older female fMRI premutation carriers. Poster presented at the annual Meeting of the Psychonomic Society, New York City, NY.

Sun, T., **Bailey, H.**, Caragea, C., *Heron, X.*, & *Seitz, C.* (2024). Building AI conversational agents to assess cognitive functioning in older adults. Poster presented at the 2024 Association for Psychological Science Annual Conference, San Francisco, CA.

- Edwards, O.* & Bailey, H.* (2024, April). Assessing the relationship between two early dementia screeners. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Saunders, S.,* Bailey, H., & Vargo-Simonson, T.* (2024, April). Impact of interpretation bias modification on academic comprehension. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Skinner, M.,* Elbishari, Y., & Bailey, H.* (2024, April). The effect of prior knowledge on reaction time in young and older adults. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Smith, A.,* Bailey, H., & Pitts, B. L.* (2024, April). Intrusive thoughts may lead to more memory errors. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Elbishari, Y., Smith, M.E., Warnes, E.*, McQueen, T.*, Skinner, M.*, & Bailey, H.* (2023, November). Prediction Error: When events violate our expectation. Poster presented at the annual Meeting of the Psychonomic Society, San Francisco, CA.
- Bell, T. & Bailey, H.* (2023, April). *Effective FI Strategies—More Complicated than Initially Shown.* Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Dix, R.*, Simonson, T.L., & Bailey, H.* (2023, April). *Engaged in Discussion: Exploring Student Engagement and Course Performance.* Poster Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Elbishari, Y. & Bailey H.* (2023, April). *Prediction Error: When events violate our expectations.* Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Fernandez-Patlan, E.* & Bailey, H.* (2023, April). The hindering of academic performance based on physiological measures, classroom content and PTSD symptom severity. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Potter, K. M.*, Sanders, S. E.*, Simonson, T.L., & Bailey, H.* (2023, April). *Should Older Adults Take Their Vitamins?: Impacts on Memory.* Poster Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Simonson, T., Hubbell, H.*, & Bailey, H.* (2023, April). *Visual-based methods to measure event comprehension and memory.* Talk given at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Warnes, E. C.*, McQueen, T. T.*, Simonson, T.L., & Bailey, H.* (2023, April). *Reminiscence and the Evaluation of Socialization Trends (REST).* Poster Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

- Weaver, C.*, Krehbiel, K.*, Bell, T., & **Bailey, H.** (2023, April). Brain oscillations changes in set sizes. Poster Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
- Bailey, H.** (2022, December). *Does prior knowledge shape older adults' perception and memory of everyday activities?* Talk given at 8th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), Virtual Conference.
- Bell, T., Zakrzewski, A. C., Wisniewski, M. G., & **Bailey, H.** (2022, November). Neural oscillations differentiate effective and less effective strategies. Poster presented at the annual Meeting of the Psychonomic Society, Boston, MA.
- Pitts, B. L., Campbell, K. & **Bailey, H.** (2022, November). *Limits of associative binding within events in narrative stories.* Poster presented at the annual Meeting of the Psychonomic Society, Boston, MA.
- Simonson-Vargo, T. L., Hubbell, I.,* & **Bailey, H.** (2022, November). Moving away from verbal-based measures of cognition: Using drawing to measure event comprehension and memory. Poster presented at the annual Meeting of the Psychonomic Society, Boston, MA.
- Simonson-Vargo, T. L. & **Bailey, H.** (2022, October). Application-based instruction shows smaller decrease in forgetting over time compared to more "basic" instructional methods. Talk given at Mid-Western Educational Research Association (**MWERA**), Cincinnati, OH.
- Bell, T., Krehbiel, K.*, Harper, A.*, & **Bailey, H.** (2022, April). *Neural oscillations in memory strategies.* Poster presented at the Annual Midwestern Psychological Association Conference, Chicago, Illinois.
- Bell, D., Applegate, W. R.*, & **Bailey, H.** (2021, November). *What happens to strategy use and effectiveness when difficulty is manipulated on the RAPM task?* Poster presented at the annual Meeting of the Psychonomic Society, Virtual Conference.
- Pitts, B. L., Smith, M. E., Newberry, K. M., Brunner, C. A.*, Wildeman, K. R.*, Apel, M. V.*, Hendrick, M.*, Schultz, S., & **Bailey, H.** (2021, November). *Semantic knowledge attenuates age-related differences in event segmentation and episodic memory.* Poster presented at the annual Meeting of the Psychonomic Society, Virtual Conference.
- Newberry, K. M. & **Bailey, H.** (2021, November). *Influences of reading instructions and segmentation on memory over time.* Poster presented at the annual Meeting of the Psychonomic Society, Virtual Conference.
- Smith, M. E., Loschky, L. C., & **Bailey, H.** (2021, November). *The relationship between viewers' event segmentation and eye movement patterns.* Poster presented at the annual Meeting of the Psychonomic Society, Virtual Conference.
- Pitts, B.L., Eisenberg, M.L., **Bailey, H.**, & Zacks, J.M. (2020, November). *PTSD is associated with impaired event processing and memory for everyday events.* Annual Meeting of the Psychonomic Society, Virtual Conference.

Smith, M.E., Martin, L., Brucks, M., **Bailey, H.** (2020, November). *An FMRI investigation of the effects of aging and semantic knowledge on event segmentation*. Poster presented at the 61st Annual Meeting of the Psychonomics Society, Virtual Conference.

Applegate, W. *, Brehm, J. *, Smith, M.E., & **Bailey, H.** (2020, April). *The effects of knowledge and age on eye movements and memory*. Poster presented at the 92nd Annual Midwestern Psychological Association Conference, Chicago, Illinois (Conference Canceled).

Augustine, E*, Pachek, S.* , Bell, D.R. & **Bailey, H.** (2020, April). *Performance on raven's matrices does not differ significantly by sex*. Poster presented at Midwestern Psychological Association. Chicago, Illinois. (Conference canceled).

Bell, D. R. & **Bailey, H.** (2020, April). *Effective strategies – When do they fail?*. Talk presented at Midwestern Psychological Association. Chicago, Illinois. (Conference canceled).

Brehm, J.* , Pitts, B.L., & Bailey, H.R. (2020, April). *The impact of PTSD on memory for central and peripheral information*. [Poster session cancelled] Midwestern Psychological Association Conference, Chicago, Illinois.

Newberry, K.M., Smith, M.E., & Bailey, H.R. (2020, April). *The influence of familiarity on event segmentation across age*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia (Conference Canceled).

Pitts, B.L., Rogers, J., Muto, M.* , Brehm, J.* , & **Bailey, H.** (2020, April). *Does semantic knowledge influence older adult's ability to read and remember everyday activities?* [Poster session cancelled] Cognitive Aging Conference, Atlanta, Georgia.

Smith, M.E., Brehm, J. *, Newberry, K.M., Loschky, L.C., & **Bailey, H.** (2020, April). *Older adults use intact knowledge to more effectively encode and remember everyday activities*. Poster presented at the Cognitive Aging Conference, Atlanta, Georgia (Conference Canceled).

Herrera, A.* , Pitts, B. L., & **Bailey, H.** (2020, February). *The effects of PTSD on memory and recall of daily activities*. Poster to be presented at Emerging Researchers National Conference. Washington, D.C.

Chaired Sessions

Bailey, H. (2017, April). Session moderator. Memory Session conducted at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Bailey, H. (2010, May). Session moderator. Cognitive Aging Session conducted at the annual meeting of the Midwestern Psychological Association, Chicago, IL.

Invited Talks

Bailey, H. (2022) *Does prior knowledge shape older adults' perception and memory of everyday activities?* NISBRE, Virtual Conference.

Bailey, H. (2021). *Does prior knowledge shape older adults' perception and memory of everyday activities?* Memory Disorders Research Society, Virtual Conference.

HONORS & AWARDS

2024	University Outstanding Scholar
2022	Best Oral Presentation at NISBRE 2022 Session
2019	SPOTLIGHT K-State presenter
2018	Presidential Award for Excellence in Undergraduate Teaching
2017	William L. Stamey Undergraduate Teaching Award
2017	Faculty Development Award
2014	ADVANCE Distinguished Lecture Series Award, Kansas State University
2004	Summer Research Fellowship, Wake Forest University
2000	Robert J. McGlaughlin Honors Award, Southern Illinois University Edwardsville
1999-2002	Dean's Scholar Award, Southern Illinois University Edwardsville

SERVICE

Service to the Field

Editorial Board:

- Frontiers in Cognition (2015-2017)
- Journal of Experimental Psychology: General (2015-)
- Memory & Cognition (2020-)
- Psychonomic Bulletin & Review (2020-)

Ad hoc Journal Reviewer:

- Aging & Mental Health
- Aging, Neuropsychology & Cognition
- Applied Cognitive Psychology
- Behavioral Research Methods
- Cognition
- Cognition and Emotion
- Cognitive Research: Principles and Implications
- Collabra
- Consciousness and Cognition
- Experimental Aging Research
- Journal of Applied Research in Memory and Cognition
- Journal of Experimental Psychology: General
- Journal of Experimental Psychology: Learning, Memory, and Cognition

- Journal of Gerontology: Psychological Sciences
- Journal of Neuropsychology
- Learning & Individual Differences
- Memory
- Memory & Cognition
- Modern Language Journal
- Psychology & Aging
- Psychonomic Bulletin & Review
- Quarterly Journal of Experimental Psychology
- Scientific Reports

Grant Reviewer:

- National Institute of Aging
- National Science Foundation Human Perception and Cognition Program
- Dutch Research Council, NWO Talent Program (2020)

Service to the University

- CNAP Director (2025-)
- Member, K-State First Workgroup (2023-)
- Member of College Committee on Planning (CCOP; 2022-2023)
- United Way representative (2013-)
- Cristiane Brazil – dissertation committee member; industrial engineering (2022)
- Zaher Albashabsheh – dissertation committee, outside chair (proposed: Spring 2018)
- Conner Bruns – thesis committee member (2018)
- Laura Cribbs – thesis committee member (2023)
- Rachael Hammer – thesis committee member (2018)
- Stacy Smith – dissertation committee, outside chair (Spring 2017)
- Graduate School Council Professional Development Committee panel (Fall 2015)
- Mohammed Obeidat – dissertation committee, outside chair (Spring 2015)
- Xian Wu – dissertation committee, outside chair (Fall 2015)
- LaSonia Dozier – masters committee member (Fall 2024)
- Laura Cribb – masters committee member (Fall 2023)

Service to the Department

- Undergraduate Program Director (2019-2025)
- Undergraduate Program Committee (2015-)
- Cognitive Program Coordinator (2016-)
- Coordinating schedules for Prospective Cognitive Graduate Students (2015-2023)
- Psi Chi, advisor (2015-2025)
- Karissa Payne - dissertation committee member (2025)
- Britton Scheuermann- dissertation committee member (2025)
- Prasanth Chandran - dissertation committee member (2025)
- Nora Balboa - dissertation committee member (2025)
- Michael Tollesfrud - dissertation committee member (2025)

- Slava Prokhorets – dissertation committee member (2025)
- Sarah Stuebing – dissertation committee member (2024)
- Zach McKinnell – thesis committee member (2021)
- Director of the Cognitive/Neuroscience Writing Group (2018-2021)
- Angela Rose - - dissertation committee member (2020)
- Maverick Smith – dissertation committee member (2020)
- John Hutson – dissertation committee member (2018)
- Ryan Ringer – dissertation committee member (2018)
- Sarah Stuebing – thesis committee member (Spring 2016)
- Elena Knyshev – thesis committee member (Fall 2015)
- Manpreet Rai – dissertation committee member (Summer 2014)

ENGAGEMENT WITH THE COMMUNITY

- Memory Matters Symposium Keynote Address (2025): Gave a presentation to the Memory Matters group titled “*Brain Aging 101: How Aging & Dementia Reshape Our Minds*”.
- Travel to Logan, KS to engage in a town hall meeting and begin data collection on their new intergenerational center (2025-).
- NeuroKids for local elementary schools (2022-): 3rd grade students from across central Kansas come to K-State and engage in active learning stations related to the brain. Approximately 1-2 schools per year.
- Presentation about Parkinson’s Disease for Meadowlark support group (2024)
- Presentation about memory for Little Apple Pilot Club (2017)
- Presentation about memory for Meadowlark (2016)
- Presentation about memory for Riley County Senior Center (2015)

PROFESSIONAL MEMBERSHIPS

- Association for Psychological Sciences (APS)
- International Association for Metacognition (IAM)
- Midwestern Psychological Association (MPA)
- Psychonomic Society

TEACHING EXPERIENCE (courses taught)

- Introduction to Psychology Seminar (PSYC 102)
- Psychology of College Success (PSYCH 120)
- Quantitative Methods (PSYC 216)
- Controversial Issues in Psychology (PSYCH 310)
- Experimental Methods in Psychology (PSYCH 350)
- Cognitive Psychology (PSYCH 460)
- Psychology of Aging (PSYCH 715)
- Graduate Seminar on Working Memory (PSYCH 957)

MENTORSHIP

Postdoctoral Fellows

- Dr. Rujuta Pradhan, 2024 -
- Dr. Barbara Pitts, 2018-2022

Graduate Students

- Trase McQueen (MPH program), 2025 -
- Kaitlyn Sievers, 2024 -
- Mohsen Davoudkhani, 2023 -
- Younes Elbishari, 2021 - 2025
- Taylor Simonson-Vargo, 2021 - 2025
- Trevor Bell, 2018 - 2025
- Kimberly Newberry, 2015-2020
- Elena Knyshev, 2016-2018 (served as major advisor for her dissertation)

Undergraduate Students

Undergraduate Honors Projects

- Katelyn Waldeier, *Older adults' perceptions of hearing aids*, 2017.
- Christina DeGraffenreid, *Influence of aging stereotypes on memory*, 2017.

Undergraduate McNair advisees

- Jennica Rogers, *The influence of emotional event boundaries on memory*, 2017.

Undergraduate NSF LSAMP advisees

- Rosa Arroyo-Bocanegra, *How PTSD affects learning and memory*, 2021.
- Ana Herrera, *The effects of PTSD on memory for daily activities*, 2019; 2020.

Undergraduate Developing Scholar Program (DSP) students

- Alexia Bouslog, 2023-
- Estefani Fernandez, *Segmenting and Remembering Emotional and Neutral Films*, 2020-2023.

Shanteau Fellowship Projects

- Olivia Edwards, *Are Strategies still Effective in Distracting Conditions?*, 2025
- Kelly Krehbiel, *The Effects of Childhood Trauma and PTSD on Autobiographical Memory*, 2022
- Whitney Applegate, *Effects of Task Order on Strategy Choices*, 2020
- Jameson Brehm, *Effects of Emotional Priming on Event Memory*, 2019
- Jennica Rogers, *The Impact of Emotional Commercials on Event Memory*, 2017

College of Arts & Sciences Research Award Winners

- Carter Oliver, Fall 2025

- Cora Malone, Summer 2025
- Trase Byarlay-McQueen, Fall 2023
- Sarah Saunders, Fall 2023

Sewell Undergraduate Research Scholarship

- Alexia Bouslog, 2025

Manhattan High School University-Level Research Mentees (ULRM):

- Rachel Wei, 2024-2025 (now at Purdue University)

PSYCH 599 Undergraduate Researcher Advisees:

Spring 2026 (8 students): Alexia Bouslog, Makena Burns, Kaylee Fortenberry, Jolie Girard, Ashlyn Leiker, Stella Manspeaker, Carter Oliver, Sidney Zinkus

Fall 2025 (7 students): Alexia Bouslog, Kaylee Fortenberry, Ashlyn Leiker, Stella Manspeaker, Carter Oliver, Elayna Robinson, Sidney Zinkus

Spring 2025 (6 students): Alexia Bouslog, Olivia Edwards, Jordyn Gibson, Cora Malone, Stella Manspeaker, Elayna Robinson

Fall 2024 (6 students): Alexia Bouslog, Olivia Edwards, Jordyn Gibson, Cora Malone, Stella Manspeaker, Elayna Robinson

Spring 2024 (9 students): Alexia Bouslog, Trase Byarlay-McQueen, Olivia Edwards, Jordyn Gibson, Sarah Sanders, Morgan Skinner, Alyssa Sherwood, Ashlynn Smith, Ellie Warnes

Fall 2023 (7 students): Alexia Bouslog, Trase Byarlay-McQueen, Olivia Edwards, Sarah Sanders, Morgan Skinner, Ashlynn Smith, Ellie Warnes

Spring 2023 (12 students): Trase Byarlay-McQueen, Ryan Dix, Olivia Edwards, Estefani Fernandez, Kelly Krehbiel, Sean Neyland, Kayli Potter, Sarah Sanders, Morgan Skinner, Ashlynn Smith, Ellie Warnes, Claire Weaver

Fall 2022 (11 students): Trase Byarlay-McQueen, Ryan Dix, Estefani Fernandez, Kelly Krehbiel, Mary Matlock, Sean Neyland, Kayli Potter, Sarah Sanders, Annie Taggart, Ellie Warnes, Claire Weaver

Spring 2022 (11 students): Trase Byarlay-McQueen, Cheyanne Brunner, Estefani Fernandez, Molly Hendrick, Isabella Hubbell, Sam Hubbell, Katie Hutson, Kelly Krehbiel, Nikole Kuenzi, Alexa Lightner, Ellie Warnes

Fall 2021 (9 students): Cheyanne Brunner, Estefani Fernandez, Molly Hendrick, Isabella Hubbell, Sam Hubbell, Katie Hutson, Kelly Krehbiel, Alexa Lightner, Ellie Warnes

Spring 2021 (12 students): Maria Apel, Whitney Applegate, Emily Augustine, Cristiane Brazil, Ariana Coker, Estefani Fernandez, Annie Harper, Molly Hendrick, Katie Hutson, Kelly Krehbiel, Samantha Schultz, Shaelyn Ward

Fall 2020 (13 students): Maria Apel, Whitney Applegate, Elizabeth Ayers, Emily Augustine, Cristiane Brazil, Ariana Coker, Estefani Fernandez, Annie Harper, Molly Hendrick, Katie Hutson, Kelly Krehbiel, Samantha Schultz, Shaelyn Ward