

# Heather Bailey

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## EDUCATION AND EMPLOYMENT

- 2013- 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 (COBRE P20): "Plasticity in aging and memory for everyday activities" (PI), January 2017.

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, May 10-12, 2018, Amsterdam, Netherlands, \$2,637.

### Completed Research Support

Kansas State University, University Small Research Grant, "Plasticity in Aging and Memory for Everyday Events", \$4,000, 2014.

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

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

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

### Peer-Reviewed Journal Articles

*Newberry, K. M., & Bailey, H.* (in press). Semantic knowledge influences event segmentation and recall of text. *Memory & Cognition*.

*McGatlin, K. C.\**, *Newberry, K. M.*, & **Bailey, H.** (2019). 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  $\epsilon$ 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 obtainin3g 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

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

*Kenney, K. L.*, & **Bailey, H.** (under review). Low-stakes quizzes improve learning and reduce overconfidence in college students.

### PRESENTATIONS (*graduate students' in italics; undergraduate students' denoted with \**); since 2013)

*Brehm, J.\**, *Rogers, J.\**, *Smith, M. E.*, & **Bailey, H.** (2019, April). Age differences in encoding actions for everyday activities. Poster to be given at the annual meeting of the Midwestern Psychological Association Conference, Chicago, IL.

*Newberry, K. M.*, & **Bailey, H.** (2019, April). Influence of expertise on segmentation and memory. Talk to be given at the annual meeting of the Midwestern Psychological Association Conference, Chicago, IL.

- Rogers, J.\*, Capko, T., Pitts, B., & **Bailey, H.** (2019, April). Non-somatic symptoms of depression predict suicidal thoughts in college students. Poster to be given at the annual meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Smith, M. E., **Bailey, H.**, Newberry, K. M., & Rogers, J.\* (2019, April). Effects of knowledge on encoding and memory for everyday activities. Talk to be given at the annual meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Newberry, K. M., Smith, M. E., & **Bailey, H.** (2018, November). Offense, defense, and tanks... Oh my! The influence of expertise on the perception and memory of basketball and Overwatch videos. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, Louisiana.
- Smith, M. E., Newberry, K. M., & **Bailey, H.** (2018, November). Differential effects of knowledge on encoding and memory for everyday activities in younger and older adults. Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, Louisiana.
- Bailey, H.** (2018, May). Semantic-knowledge can protect against age-related declines in memory for everyday activities. Talk given at the International meeting of the Psychonomic Society, Amsterdam, Netherlands.
- Newberry, K. M., Smith, M., & **Bailey, H.** (2018, May). The role of knowledge in age-related changes in event segmentation and memory. Poster presented at the International meeting of the Psychonomic Society, Amsterdam, Netherlands.
- Bailey, H.** (2018, May). The role of knowledge in age-related differences in the segmentation and memory of everyday activities. Invited talk given for a symposium at the 2018 Cognitive Aging Conference, Atlanta, GA.
- Newberry, K. M., Smith, M., & **Bailey, H.** (2018, May). The role of knowledge in age-related changes in event segmentation and memory. Poster presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- Zacks, J. M., **Bailey, H.** & Kurby, C. A. (2018, May). The dynamics of event model construction and updating. Poster presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- McGatlin, K.\*, & **Bailey, H.** (2018, April). The effects of environment on cognitive processes over time. Poster presented at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Rogers, J.\*, & **Bailey, H.** (2018, April). Memory recall for television episodes interrupted by commercials containing an emotional component. Poster presented at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Newberry, K. M., & **Bailey, H.** (2017, November). *Adopting a perspective influences event segmentation and recall.* Poster presented at the 58th annual meeting of the Psychonomic Society, Vancouver, Canada.

- DeGraffenreid, C., Ernst, A., Newberry, K. M., & **Bailey, H.** (2017, November). *Age-related changes in the role of knowledge in memory*. Poster presented at the annual meeting of the Association for Psychological and Educational Research in Kansas, Atchison, KS.
- Waldeier, K. R., **Bailey, H.**, & Garcia, R. G. (2017, November). *Older adults' perceptions of hearing aids*. Poster presented at the annual meeting of the Association for Psychological and Educational Research in Kansas, Atchison, KS.
- Bailey, H.** (2017, April). *The effects of knowledge on event segmentation and recall*. Invited talk given at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Newberry, K. M., & **Bailey, H.** (2017, April). *An investigation of context on event segmentation and recall*. Talk given at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- McGatlin, K., Newberry, K. M., & **Bailey, H.** (2017, April). *An investigation of perspective on event segmentation and recall*. Poster presented at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.
- Newberry, K. M., & **Bailey, H.** (2016, November). *Washing clothes of the meaning of life? An investigation of context on event segmentation and recall*. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.
- Kitterman, C., & **Bailey, H.** (2015, April). *Effects of narrative boundaries and page turns on age-related text memory*. Poster presented at the annual meeting of the Southwestern Psychological Association, Wichita, KS.
- Bui, D., Pyc, M. A., & **Bailey, H.** (2014, November). *When people's judgments of learning (JOLs) are extremely accurate at predicting subsequent recall: The "Displaced-JOL Effect"*. Poster presented at the 54th annual meeting of the Psychonomic Society, Long Beach, CA.
- Flores, S., **Bailey, H.**, Eisenberg, M. L., & Zacks, J. M. (2014, November). *Effective event segmentation improves memory for everyday events over time*. Poster presented at the 54th annual meeting of the Psychonomic Society, Long Beach, CA.
- Bailey, H.**, & Zacks, J. M. (2013, November). *Situation model updating in young and older adults*. Poster presented at the 53rd annual meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Kurby, C. A., Zacks, J. M., Sargent, J. Q., & **Bailey, H.** (2013, November). *Aging and event segmentation: An fMRI investigation of individual differences in event perception and memory*. Poster presented at the 53rd annual meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- Bailey, H.**, Sargent, J. Q., Flores, S., Zacks, J. M., Nowotony, P., & Goate, A. (2013, May). *APOE  $\epsilon$ 4 genotype status predicts everyday memory*. Talk given at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.

## **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.

## **HONORS & AWARDS**

- 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**

Ad hoc Journal Reviewer:

Aging & Mental Health  
Applied Cognitive Psychology  
Behavioral Research Methods  
Cognition  
Cognitive Research: Principles and Implications  
Collabra  
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  
Learning & Individual Differences  
Memory  
Memory & Cognition  
Modern Language Journal  
Psychology & Aging  
Psychonomic Bulletin & Review  
Quarterly Journal of Experimental Psychology  
Scientific Reports

Grant Reviewer:

National Science Foundation Human Cognition and Perception Program

## Editorial Board:

Journal of Experimental Psychology: General (2015- )  
Frontiers in Cognition (2015-2017)

## Service to the University

United Way representative (2013-)  
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)  
Stacy Smith – dissertation committee, outside chair (Spring 2017)  
Zaher Albashabsheh – dissertation committee, outside chair (proposed: Spring 2018)  
Conner Bruns – thesis defended Spring 2018, committee member  
Rachael Hammer – thesis defended Summer 2018, committee member

## Service to the Department

Cognitive Program Coordinator (2016- )  
Coordinating schedules for Prospective Cognitive Graduate Students (2015- )  
Undergraduate Program Committee (2015- )  
Psi Chi, advisor (2015- )  
Manpreet Rai – dissertation committee (Summer 2014)  
Elena Knyshev – thesis committee (Fall 2015)  
Ryan Ringer – dissertation defended Summer 2018, committee member  
John Hutson – dissertation defended Summer 2018, committee member  
Maverick Smith – thesis proposed Spring 2018, committee member

## PROFESSIONAL MEMBERSHIPS

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

## TEACHING EXPERIENCE

Introduction to Psychology Seminar (PSYC 102)  
Quantitative Methods (PSYC 216)  
Experimental Methods in Psychology (PSYCH 350)  
Cognitive Psychology (PSYCH 460)  
Controversial Issues in Psychology (PSYCH 590)  
Psychology of Aging (PSYCH 715)  
Graduate Seminar on Working Memory (PSYCH 957)