

Heather Bailey
(formerly Heather Roth)
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EDUCATION

- 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; Magna Cum Laude
Mentor: Stephen Tuholski

FUNDING

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

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

Kansas State University, University Small Research Grant, “Plasticity in Aging and Memory for Everyday Events”, \$4000, 2014.

PUBLICATIONS

Peer-Reviewed Journal Articles

Bailey, H., Dunlosky, J., & Hertzog, C. (in press). Does strategy training reduce age-related deficits in working memory? *Gerontology*.

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). Self-regulation 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., Zacks, J. M., & **Bailey, H.** (in press). Perceptual segmentation of naturalistic events: Methods and applications. *Cambridge Handbook of Applied Perception Research*.
- 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

- Bailey, H.,** Kurby, C. A., Sargent, J. Q., & Zacks, J. M. (under review). Attentional focus affects how events are segmented and updated in narrative text.
- Bailey, H.,** Sargent, J. Q., Flores, S., Zacks, J. M., Nowotony, P., & Goate, A. (under review). APOE $\epsilon 4$ genotype status predicts everyday memory.
- Bailey, H.,** & Zacks, J. M. (under review). Situation model updating in young and older adults: Global versus incremental mechanisms.

PUBLICATIONS IN PREPARATION

- Bailey, H.,** Flores, S., & Zacks, J. M. (in prep). No age-related differences in BOLD response to reading about situational changes in narrative texts.

PRESENTATIONS

- 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.
- Bailey, H.,** Kurby, C. A., Giovannetti, T., & Zacks, J. M. (2012, November). *Action perception predicts action performance*. Poster presented at the 52nd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Bailey, H.,** Sargent, J. Q., Flores, S., Zacks, J. M., Nowotony, P., & Goate, A. (2012, September). *APOE $\epsilon 4$ genotype status predicts everyday memory*. Poster presented at the Annual Washington University Neuroscience Retreat.
- Bailey, H.,** Hambrick, D. Z., Zacks, R. T., Head, D., Kurby, C. A., & Zacks, J. M. (2012, April). *Event perception and medial temporal lobe atrophy in cognitively normal aging and early stage Alzheimer's disease*. Poster presented at the 2012 Cognitive Aging Conference, Atlanta, GA.
- Kurby, C. A., Sargent, J. Q., **Bailey, H.** & Zacks, J. M. (2012, April). *Event segmentation and memory in younger and older adults: An fMRI investigation*. Poster presented at the 2012 meeting of the Cognitive Aging Conference, Atlanta, Georgia.
- Bailey, H.,** Dunlosky, J., & Hertzog, C. (2010, May). *Effects of strategy training on age-related deficits in working memory performance*. Talk given at the Annual Meeting of the Midwestern Psychological Association Conference, Chicago, IL.

- Bailey, H.,** Dunlosky, J., & Kane, M. J. (2009, May). *The differential role of strategy use in complex and simple span tasks*. Talk given at the Annual Meeting Midwestern Psychological Association Conference, Chicago, IL.
- Bailey, H.,** Dunlosky, J., & Kane, M. J. (2008, November). *Contribution of strategy use to performance on complex and simple span tasks*. Poster presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Roth, H.,** Dunlosky, J., & Kane, M. J. (2008, May). *Why does working memory span predict complex cognition? Testing the strategy-affordance hypothesis*. Talk given at the Annual Meeting Midwestern Psychological Association Conference, Chicago, IL.
- Roth, H.,** Dunlosky, J. & Hertzog, C. (2008, April). *The contribution of strategy use in the age-related deficit in working-memory performance*. Poster presented at the 2008 Cognitive Aging Conference, Atlanta, GA.
- Roth, H.,** Dunlosky, J., & Hertzog, C. (2007, November). *Does differential strategy use account for age-related differences in working-memory performance?* Poster presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Roth, H.,** Dagenbach, D., & Jennings J. M. (2006, November). *Insights into the basis of gains associated with the Repetition-Lag memory training procedure*. Poster presented at the 47th Annual Meeting of the Psychonomics Society, Houston, TX.
- Dagenbach, D., **Roth, H.,** Jennings, J. M. (2006, February). *The locus of the benefits of repetition-lag memory training*. Paper presented at the Annual Meeting of the North Carolina Cognition Group, Greensboro, NC.
- Roth, H.,** Dagenbach, D., & Jennings J. M. (2005, November). *What gets trained in the repetition-lag memory training procedure?* Poster presented at the 46th Annual Meeting of the Psychonomics Society, Toronto, Canada.
- Dagenbach, D., **Roth, H.** & Jennings, J. M. (2005, February). *Insights into the basis of gains associated with the Repetition-Lag memory training procedure*. Paper presented at the Annual Meeting of the North Carolina Cognition Group, Raleigh, NC.
- Roth, H.,** Dagenbach, D., & Jennings, J. M. (2004, November). *Undoing a good deed: Using study and test interference to isolate the basis of gains in a memory-training paradigm*. Poster presented at the 45th Annual Meeting of the Psychonomics Society, Minneapolis, MN.
- Nichols, M. & **Roth, H.** (2002, May). *Butterflies in your stomach: The effects of state anxiety and audience on performance*. Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.
- Nichols, M & **Roth, H.** (2001, May). *Computer-based vs. classroom-based learning*. Poster presented at the annual meeting of Midwestern Psychological Association, Chicago, IL.

CHAired SESSIONS

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

PROFESSIONAL AFFILIATIONS

Journal Reviews:

Behavioral Research Methods
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Gerontology: Psychological Sciences
Learning & Individual Differences
Memory
Memory & Cognition

Memberships:

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

RESEARCH EXPERIENCE

2009-2013	Post-Doctoral Fellow Mentor: Jeffrey Zacks (Washington University in St. Louis)
2005-2009	Research Assistant, Working Memory & Aging Mentor: John Dunlosky (Kent State University)
2003-2005	Research Assistant, Memory & Aging Mentor: Dale Dagenbach (Wake Forest University)
2003-2005	Research Coordinator, Mild Cognitive Impairment Mentor: Janine Jennings (Wake Forest University)

TEACHING EXPERIENCE

PSYC 21621, Instructor, Quantitative Methods, Kent State University, Fall 2007

PSYC 21621, Instructor, Quantitative Methods, Kent State University, Spring 2008

PSYC 102, Instructor, Introduction to Psychology Seminar, Washington University, Spring 2011

PSYC 3261, Instructor, Psychological Changes in Late Adulthood, Washington University, Spring 2011

PSYC 102, Instructor, Introduction to Psychology Seminar, Washington University, Fall 2011

PSYC 102, Instructor, Introduction to Psychology Seminar, Washington University, Spring 2012

PSYC 102, Instructor, Introduction to Psychology Seminar, Washington University, Fall 2012

PSYC 102, Instructor, Introduction to Psychology Seminar, Washington University, Spring 2013

PSYCH 460, Instructor, Cognitive Psychology, Kansas State University, Fall 2013