

Curriculum Vitae

Jennifer H. Coane, PhD

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Contact Information

Department of Psychology

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EDUCATION

A.A. (Summa cum Laude), Richland Community College, 1999

B.A. with Honors in Psychology (Summa cum Laude, Certificate in University Honors),
Illinois State University, 2001

M.S. in Psychology (Cognitive and Behavioral Sciences), Illinois State University, 2004
Thesis title: The Role of Retrieval in False Recognition in the DRM Paradigm
Committee Chair: Dawn M. McBride

Ph.D. in Experimental Psychology (Brain, Behavior, & Cognition), Washington University in Saint
Louis, August 2008
Dissertation Title: Contextual Influences beyond Experimental Contexts
Committee: David A. Balota, Chair; Mark A. McDaniel; Henry L. Roediger III

PROFESSIONAL EXPERIENCE

Teaching Assistant, Illinois State University, 2001-2004

Teaching Assistant, Washington University in Saint Louis, 2005-2007

Assistant Professor, Colby College, 2008-2016

Associate Professor, Colby College, 2016-2024

Professor, Colby College, 2024-

RESEARCH INTERESTS

My primary research interests are in the areas of memory and language – specifically, how semantic and episodic memory interact to influence information processing. Over a lifetime of experience, the human cognitive system acquires a vast amount of information, which is stored in semantic memory. My current research focuses on three inter-related questions. First, it is important to understand how this information is organized (Balota & Coane, 2008) and what factors influence how and when we can access specific items (e.g., Coane & Balota, 2009, 2010,

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2011; Coane et al., 2015). Second, I examine how pre-existing knowledge influences new learning, often resulting in distortions or errors (e.g., Coane & McBride, 2006; Coane et al., 2020, 2021; Huff et al., 2012; Coane et al., 2014). A third line of research involves examining how individuals assess the contents of their memories and how they discriminate between different forms of retrieval failure (Coane & Umanath, 2019; Umanath et al., 2023, 2025) and retrieval success (Umanath & Coane, 2020; Coane et al., 2022). In my research, I test younger and healthy older adults, to understand how these cognitive processes change across the lifespan. As we age, certain aspects of memory, primarily those dependent on controlled processing, tend to decline, whereas general knowledge, language skills, and automatic processes are preserved. Thus, a developmental approach allows me to examine changes in memory as a function of age while also providing a means of testing theoretical accounts of different cognitive phenomena.

GRANTS AND RESEARCH SUPPORT

- Washington University in Saint Louis Summer Research Support – Research Award (\$3,000) (Summer 2005)
- Washington University in Saint Louis Summer Research Support – Research Award (\$2,400) (Summer 2006)
- Washington University in Saint Louis Pre-doctoral NIA Training Grant (2007-2008)
- Colby College – Social Sciences Division Faculty Research Grant (\$2,313) (March 2010)
- Colby College – CBB Collaborative Research Grant funded by the Mellon Foundation to support the 1st Mainely Data, Some Theory Conference (\$10,001) (May 2010)
- Colby College – CBB Collaborative Research Grant funded by the Mellon Foundation to support the 2nd Mainely Data, Some Theory Conference (\$9,743) (Spring 2011)
- Goldfarb Center for Public Affairs and Civic Engagement – “Promoting Healthy Aging in the Community” Faculty-Student Collaborative Research Grant (\$3000) (Fall 2011)
- Colby College – CBB Collaborative Research Grant funded by the Mellon Foundation to support the 3rd Mainely Data, Some Theory Conference (\$8,000) (Spring 2012)
- Colby College – Social Sciences Division Faculty Research Grant (\$4,800) (April 2014)
- Scholar Award in Understanding Human Cognition funded by the James S. McDonnell Foundation (\$600,000) (June 2015)
- Goldfarb Center for Public Affairs and Civic Engagement – “Volunteer Scribes Program” Faculty-Student Collaborative Research Grant (co-investigators *Stacey Hou, *Sara Hoffman, and *Hallie Jester) (\$2500) (Fall 2015)
- Colby College – Social Sciences Division Faculty Research Grant (\$3000) (March 2023)

PUBLICATIONS

PEER-REVIEWED ARTICLES

* indicates student/alumni co-authors

^ indicates shared first authorship

Coane, J. H., & McBride, D. M. (2006). The role of test structure in creating false memories.

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- Memory & Cognition*, 34, 1026–1036.
- McBride, D. M., **Coane, J. H.**, & Raulerson, B. A. III (2006). An investigation of false memory in perceptual implicit tasks. *Acta Psychologica*, 123, 240–260.
- Coane, J. H.**, McBride, D. M., Raulerson, B. A. III, & Jordan, J. S. (2007). False memory in a short term memory task. *Experimental Psychology*, 54, 62–70.
- Coane, J. H.**, & Balota, D. A. (2009). Priming the holiday spirit: Persistent activation due to extra-experimental influences. *Psychonomic Bulletin and Review*, 16, 1124-1128.
- Coane, J. H.**, & Balota, D. A. (2010). Repetition priming across distinct contexts: Effects of lexical status, word frequency, and retrieval test. *Quarterly Journal of Experimental Psychology*, 63, 2376-2398.
- Jacoby, L. L., Wahlheim, C. N., & **Coane, J. H.** (2010). Test-enhanced learning of natural concepts: Effects on recognition memory, classification, and metacognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 36, 1441-1451.
- *Sánchez-Gutiérrez, C., & **Coane, J. H.** (2010). Confusion of suffixes in bilingual contexts: Effect of root and stem substitution. *Diálogo de la Lengua*, II, 75-85.
- Coane, J. H.** & Balota, D. A. (2011). Face (and nose) priming for book: The malleability of semantic memory. *Experimental Psychology*, 58, 62-70.
- Coane, J. H.**, Balota, D. A., Dolan, P. O., & Jacoby, L. L. (2011). Not all sources of familiarity are created equal: The case of word frequency and repetition in episodic recognition. *Memory & Cognition*, 39, 791-805.
- Maddox, G. B., Balota, D. A., **Coane, J. H.**, & Duchek, J. M. (2011). The role of forgetting rate in producing a benefit of expanded over equal spaced retrieval in young and older adults. *Psychology & Aging*, 26, 661-670.
- Huff, M., **Coane, J. H.**, Hutchison, K. A., *Grasser, E. B., & *Blais, J. E. (2012). Interpolated task effects on direct and mediated false recognition: Effects of initial recall, recognition, and the ironic effect of guessing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38, 1720-1730.
- Coane, J. H.** (2013). Retrieval practice and elaborative encoding benefit memory in younger and older adults. *Journal of Applied Research in Memory and Cognition*, 2, 95-100.
- McBride, D. M., **Coane, J. H.**, Drwal, J., & *LaRose, S. A. (2013). Differential effects of delay on time-based prospective memory in young and old adults. *Aging, Neuropsychology, and Cognition*, 20, 700-721.
- *Stillman, C. M., **Coane, J. H.**, Profaci, C. P., Howard, J., & Howard, D. V. (2014). The effects of healthy aging on the mnemonic benefit of survival processing. *Memory & Cognition*, 42, 175-185. **Editor's Pick for the February Issue of M&C.
- Coane, J. H.**, *Sánchez-Gutiérrez, C., *Stillman, C. M., & *Corriveau, J. A. (2014). False memory for idiomatic expressions in younger and older adults: Evidence for indirect activation of figurative meanings. *Frontiers in Language Sciences*, 5, 764, 1-9.
- Adelman, J. S., Johnson, R. L., McCormick, S. F., McKague, M., Kinoshita, S., Bowers, J. S., Perry, J. R., Lupker, S. J., Forster, K. I., Cortese, M. J., Scaltritti, M., Aschenbrenner, A. J., **Coane, J. H.**, White, L., Yap, M. J., Davis, C., Kim, J., & Davis, C. J. (2014). A behavioral database for masked form priming. *Behavior Research Methods*, 46, 1052-1067.
- Coane, J. H.**, *Monahan, K., & *Termonen, M. (2015). Hunts, Heinz, and Fries priming

- Ketchup: The effects of lexicality on brand name-product associations and brand memory. *Applied Cognitive Psychology*, 29, 455-470.
- Coane, J. H.**, McBride, D. M., *Termonen, M., & Cutting, J. C. (2016). Categorical and associative relations increase false memory relative to purely associative relations. *Memory & Cognition*, 44, 37-49.
- Coane, J. H.**, Huff, M., Hutchison, K. (2016). The effects of warnings and guessing on direct and mediated false memories in younger and older adults. *Aging, Neuropsychology, and Cognition*, 23, 282-303.
- *Preziosi, M. A., & **Coane, J. H.** (2017). Remembering that big things sound big: Sound symbolism and associative memory. *Cognitive Research: Principles and Implications*, 2(10).
- Minear, M. E., **Coane, J. H.**, & *Boland, S. C., *Cooney, L., & Albat, M. (2018). The benefits of retrieval practice depend on item difficulty and intelligence. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44, 1474-1486.
- Coane, J. H.**, & ^Umanath, S. (2019). I don't remember vs. I don't know: Phenomenological states associated with retrieval failures. *Journal of Memory and Language*, 107, 152-167.
- McBride, D. M., **Coane, J. H.**, *Xu, S., *Feng, Y., *Yu, Z. (2019). Short-term false memories vary as a function of list type. *Quarterly Journal of Experimental Psychology*, 72, 2726-2741.
- ^Umanath, S. & **Coane, J. H.** (2020). Face validity of remembering and knowing: Empirical consensus and disagreement between participants and researchers. *Perspectives on Psychological Science*.
- *Bourne, K. A., *Boland, S. C., *Arnold, G. C., & **Coane, J. H.** (2020). Reading the news on Twitter: Source and item memory for social media in younger and older adults. *Cognitive Research: Principles and Implications*, 5(1), 11.
- Coane, J. H.**, McBride, D. M., & *Xu, S. (2020). The feature boost in false memory: The roles of monitoring and critical item identifiability. *Memory*, 28(4), 481-493.
- Coane, J. H.**, & Umanath, S. (2021). A database of general knowledge performance in older adults. *Behavior Research Methods*, 53, 415-429.
- Huff, M. J., Di Mauro, A., **Coane, J. H.**, & O'Brien, L. (2021). Mapping the time course of semantic activation in mediated false memory: Immediate classification, naming, and recognition. *Quarterly Journal of Experimental Psychology*, 74, 483-496.
- Coane, J. H.**, McBride, D. M., Huff, M. J., *Chang, K., Marsh, E. M., & Smith, K. A. (2021). Manipulations of list type in the DRM paradigm: Structural and conceptual similarity affect false memory. *Frontiers in Psychology*, 14, 668550.
- Coane, J. H.**, ^Umanath, S., *Cimenian, T., & *Chang, K. (2022). Using the phenomenology of memory for recent events to bridge the gap between episodic and semantic memory. *Memory & Cognition*, 50, 495-511.
- Coane, J. H.**, *Cipollini, J., *Barrett, T. E., Kavalier, J., & Umanath, S. (2023). Lay definitions of intelligence, knowledge, and memory: Inter- and independence of constructs. *Journal of Intelligence*, 11(5), 84.
- Coane, J. H.**, *Cipollini, J., *Beaulieu, C., *Song, J., & Umanath, S. (2023). The influence of general knowledge test performance on self-ratings of and perceived relationships between intelligence, knowledge, and memory. *Scientific Reports*, 13, 15723.
- ^Dacey, M. & **Coane, J. H.** (2023). Implicit measures of anthropomorphism: Affective priming

- and recognition of apparent animal emotions. *Frontiers in Psychology: Cognitive Science*, *14*, 1149444.
- ^Minear, M. E., ^**Coane, J. H.**, *Boland, S. C., *Cooney, L. H., & Serrano, J. W. (2023). Is practice good enough? Retrieval benefits students with ADHD but does not compensate for poor encoding in unmedicated students. *Frontiers in Psychology: Cognition*, *14*, 1186566.
- Umanath, S., *Barrett, T. E., *Kim, S., *Walsh, C. A., & **Coane, J. H.** (2023a). Older adults recover more marginal knowledge and use feedback more effectively than younger adults: Evidence using "I don't know" vs. "I don't remember" for general knowledge questions. *Frontiers in Psychology*, *14*, 1145278.
- Umanath, S., **Coane, J. H.**, Huff, M. J., *Cimenian, T., & *Chang, K. (2023b). Ecological validity of don't remember and don't know for distinguishing accessibility- versus availability-based retrieval failures in older and younger adults: Knowledge for news events. *Cognitive Research: Principles and Implications*, *8*, 2.
- Coane, J. H.**, McBride, D. M., Cam, Y., *Chang, K., & Marsh, E. M. (2024). Comparison of semantic and phonological false memories in short- and long-term tests. *Quarterly Journal of Experimental Psychology*, *77*, 2551-2571.
- *Xuan, Y., *Greenberg, M., Umanath, S., & **Coane, J. H.** (2024). Flashbulb memories for local, personally experienced events: The case of campus closing due to COVID-19. *Memory*, *33*, 84-99.
- ^Umanath, S., ^**Coane, J. H.**, Renaker, J. T., Whitman, K., Lee, A. A., & *Kim, S. H. (2025). From inaccessibility to unavailability: Using phenomenology to better characterize knowledge-based retrieval failures in younger and older adults *Journal of Memory and Language*, *140*, 104582.
- *Levina, S., *Chang, K., & **Coane, J. H.** (in press). Semantic, phonological, and hybrid false memories as a function of language proficiency: Evidence for early emphasis on phonological processing. *Psychonomic Bulletin and Review*.

BOOK CHAPTERS

- Balota, D. A., & **Coane, J. H.** (2008). Semantic memory. In J. H. Byrne, H. Eichenbaum, R. Menzel, H. L. Roediger III, & D. Sweatt (Eds.), *Handbook of learning and memory: A comprehensive reference*, (pp. 511-534). Amsterdam: Elsevier.
- Whitman, K., *Barrett, T. E., **Coane, J. H.**, & Umanath, S. (2025). Changes in cognitive functioning. To appear in E. Woodhead & B. Yochim (Eds.), *Psychology of aging: A biopsychosocial perspective*. Springer.

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

- Lee, A. A., Zhang, M., **Coane, J. H.**, & Umanath, S. (invited resubmission under review). Using the phenomenology of retrieval failures to understand curiosity for inaccessible and unavailable knowledge.
- McCollum, M. W., Zhang, M., **Coane, J. H.**, & Umanath, S. (under review). Exposure to more multiple-choice lures similarly affects younger and older adults' memory.

McDonnell, A. S., Scott, E. E., Jecmen, D., Crabtree, K. W., Hopman-Droste R. J., Walker, S. E., **Coane, J. H.**, Strayer, D. L., & *LoTempio, S. B. (invited resubmission under review). What type of nature experience is necessary to improve affect? A conceptual comparison of wilderness, nearby nature, and artificial nature experiences.

Coane, J. H. & Umanath, S. (in preparation). Access to prior knowledge fluctuates more in older adulthood.

Umanath, S., Bao, J., Zhang, M., Whitman, K., Uyeno, M. & **Coane, J. H.** (in preparation). Stabilizing access to prior knowledge in older and younger adults: Re-study and multiple-choice retrieval practice are equally effective.

INVITED TALKS

Coane, J. H. (2006, November). *An exploration of orthographic and phonological effects in visual word recognition*. Presentation given at Illinois State University Psychology Department, Cognitive and Behavioral Sciences Proseminar, Normal, Illinois.

Coane, J. H. (2010, December). *Finding needles in haystacks: Activation processes in retrieval from semantic and episodic memory*. Presentation given at Colby College Psychology Department Colloquium Series, Waterville, Maine.

Coane, J. H. (2010, December). *Finding needles in haystacks: Activation processes in retrieval from semantic and episodic memory*. Presentation given at the University of Maine-Orono Psychology Department Colloquium Series. Orono, Maine.

Coane, J. H. (2011, June). *Getting ahead in memory: The prospective nature of activation processes*. Plenary talk given at the meeting for the Institute for Prospective Cognition, Getting Ahead in Cognitive Science: The Forward-looking Nature of Perception, Action, and Cognition, Illinois State University, Normal Illinois.

Coane, J. H. (2013, August). *Activation processes and their role in false memory*. Presentation given at Illinois State University Psychology Department, Cognitive and Behavioral Sciences Colloquium Series, Normal, Illinois.

Coane, J. H. (2015, October). *Casting nets through memory: Capturing the richness of semantic memory*. Presentation given at the Illinois State University Department of Psychology Annual Alumni Day Celebration, Normal, Illinois.

Coane, J. H. (2021, April). *Remembering and knowing: What do they tell us about memory?* Presentation at the Behavior, Brain, and Cognition Colloquium, Washington University in Saint Louis, Saint Louis, Missouri (virtual).

Coane, J. H. (2024, March). *Talking about memory: How the words we use can help us understand it*. Invited keynote address at the Southern Workers in Memory meeting held at the South Eastern Psychological Association meeting, Orlando, Florida.

Coane, J. H. (2024, April). *Talking about memory: How the words we use can help us understand it*. Talk given at the Midwest Memory Mayhem Workshop, Purdue University, West Lafayette, Indiana.

Coane, J. H. (2025, February). *Metacognition of retrieval failures in younger and older adults*. Virtual talk at the Cognitive Proseminar at Illinois State University, Normal, Illinois.

PRESENTATIONS

*Indicates student co-authors

PRESENTATIONS AT NATIONAL AND INTERNATIONAL CONFERENCES

Coane, J. H., & McBride, D. M. (2002, June). *Level of processing affects true and false memory similarly*. Presented at the 14th annual meeting of the American Psychological Society, New Orleans, LA.

Coane, J. H., & McBride, D. M. (2003, June). *The role of retrieval in the creation of false memories*. Presented at the 15th annual meeting of the American Psychological Society, Atlanta, GA.

Coane, J.H., & McBride, D.M. (2003, November). *An investigation of false memory in perceptual implicit tasks*. Presented at the 45th annual meeting of the Psychonomic Society, Vancouver, BC.

Coane, J. H., & McBride, D. M. (2004, May). *Dissociating implicit and explicit false memory effects with phonological lists*. Presented at the 16th annual meeting of the American Psychological Society, Chicago, IL.

Coane, J. H., Jordan, J. S., & McBride, D. M. (2004, November). *An investigation of false memory in a short-term memory task*. Presented at the 46th annual meeting of the Psychonomic Society, Minneapolis, MN.

Coane, J. H., Cutting, J. C. & McBride, D. M. (2004, November). *Cats, dogs, and bones: Eliciting false memories with categorical and semantic associates*. Presented at the 46th annual meeting of the Psychonomic Society, Minneapolis, MN.

McBride, D. M., **Coane, J. H.**, & Raulerson, B. A. (2006, May). *False memories in perceptual implicit tasks in test-aware subjects*. Presented at the 17th annual meeting of the American Psychological Society, New York, NY.

Coane, J.H., & Balota, D. A. (2006, November). *The time-course of word frequency and repetition effects in source recognition*. Presented at the 47th Annual Meeting of the Psychonomic Society, Houston, TX.

Coane, J.H., & Balota, D. A. (2007, November). *Multiple, multiple primes and the elimination and/or reversal of repetition priming*. Presented at the 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.

Coane, J.H., Hughes, A. D., & Jacoby, L. L. (2008, May). *Aging is for the birds: Learning of complex categories*. Presented at the 2008 Cognitive Aging Conference, Atlanta, GA.

Coane, J.H., & Balota, D. A. (2008, November). *Snakes (and cobra) primes plane: Semantic (and mediated) priming for new associations*. Presented at the 49th Annual Meeting of the Psychonomic Society, Chicago, IL.

*Sánchez-Gutiérrez, C., *Stillman, C. M., *Corriveau, J., & **Coane, J. H.** (2009, November). *Go with the flow: Semantic interference in episodic recognition of idioms*. Presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.

*McIntyre, D., *Hruby, P., & **Coane, J. H.** (2009, November). *Congruency and survival: The mnemonic advantage after priming survival processing depends on what was studied*. Presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.

Maddox, G. B., Balota, D. A., **Coane, J. H.**, & Duchek, J. M. (2010, May). *The role of age-related*

- differences in forgetting rates in producing a benefit of expanded over equal retrieval.* Presented at the 2010 Cognitive Aging Conference, Atlanta, GA.
- Coane, J. H.,** Watson, J. M., & Balota, D. A. (2010, November). *Back and forth in the neighborhood: Rime and oncleus priming effects in naming.* Presented at the Pre-Psychonomics Word Recognition Mini-Conference, Saint Louis, MO.
- *McIntyre, D. E., & **Coane, J. H.** (2010, November). *Is survival (or sex) special? Item level effects in the survival processing paradigm.* Poster presented at the 51st Annual Meeting of the Psychonomic Society, Saint Louis, MO.
- Coane, J. H.,** *Broder, J. M., & *Caron, A. B. (2011, November). *To eat or not to eat: Whether 'tis easier in the mind to categorize survival-relevant objects.* Presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.
- Coane, J. H.,** Huff, M., Hutchison, K. A., *Grasser, E. B., & *Blais, J. E. (2011, November). *Cry me a beaver: False memory for mediated and direct associations.* Presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.
- Coane, J. H.,** & Arterberry, M. E. (2012, April). *Is it a bunting or a warbler? Eye movement analysis in a memory and categorization task.* Presented at the 2012 Cognitive Aging Conference, Atlanta, GA.
- Coane, J. H.,** *LaViolet, A. C., & *Ajao, S. O. (2012, April). *Go with the flow: Shared figurative and literal meanings influence memory for idioms.* Presented at the 2012 Cognitive Aging Conference, Atlanta, GA.
- *LaRose, S. M., & **Coane, J. H.** (2012, April). *What? You don't remember me? Surprise modulates the own-age bias in young, but not old adults.* Presented at the 2012 Cognitive Aging Conference, Atlanta, GA.
- Profaci, C. P., *Stillman, C. M., **Coane, J. H.,** Howard, J. D., & Howard, D. V. (2012, November). *Age differences in the survival processing advantage are not due to reduced attentional resources.* Presented at the 2012 Meeting of the Society for Neuroscience, New Orleans, LA.
- Coane, J. H.,** *Caron, A. B., *LaViolet, A. C., *LaRose, S. M., & *Broder, J. M. (2012, November). *Free association norms for quantifying orthographic and phonological similarity.* Presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Coane, J. H.,** & *Sánchez-Gutiérrez, C (2012, November). *Linguistic context effects on attentional control of naming pathways.* Presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Coane, J. H.,** McBride, D. M., *Termonen, M., & Cutting, J. C. (2013, November). *Deriving "dog" from wolf and fox, or leash and bark? False memory in categorical and associative word lists.* Presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, ON.
- Davis, C. J., Johnson, R. L., McCormick, S. F., McKague, M., Kinoshita, S., Bowers, J. S., Perry, J. R., Lupker, S. J., Forster, K. I., Cortese, M. J., Scaltritti, M., Aschenbrenner, A. J., **Coane, J. H.,** White, L., Yap, M. J., Davis, C., Kim, J., & Adelman, J. S. (2013, November). *A behavioral database for masked form priming.* Presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, ON.
- Coane, J. H.,** Huff, M., Hutchison, K., *Termonen, M. L., & *MacNamee, K. (2014, April). *The*

- costs of playing the guessing game: Guessing elevates mediated false recognition in both older and younger adults.* Presented at the 2014 Cognitive Aging Conference, Atlanta, GA.
- *MacNamee, K. F., & **Coane, J. H.** (2014, November). *Does that word feel moist to you? Contextual and lexical contributions to word aversion.* Presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Minear, M. E., **Coane, J. H.**, *Boland, S. C., Albat, A., *Cooney, L., & Greendahl, E. (2014, November). *Retrieval practice and individual differences.* Presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Coane, J. H.**, *Carrigan, S. E., *Strage, M., & *Glaisher, S. (2015, November). *There's a test today? The effects of expectancy on open-book, closed-book, and open-notes test performance.* Presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
- *Fontaine, A. M., Mueller, S., Piper, B., & **Coane, J. H.** (2015, November). *Test-retest reliability of PEBL executive control tasks in younger and older adults.* Presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
- *Preziosi, M. A., & **Coane, J. H.** (2015, November). *The effects of sound symbolism on product development, memory, and free association.* Presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
- Workman, R. A., *Legault, M., **Coane, J. H.**, & McBride, D. M. (2016, November). *False memories for associatively and categorically related items: The role of critical lure identifiability and warnings.* Presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Bangert, A. S., & **Coane, J. H.** (2016, November). *The effect of cross-modal attention entrainment on visual gap detection in older adults.* Presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Coane, J. H.**, Minear, M. E., Cowen, M., *Boland, S. C., & *Cooney, L. H. (2016, November). *Predictors of success: Individual differences in personality, study technique use, and academic performance.* Presented at the 57th Annual Meeting of the Psychonomic Society, Boston, MA.
- Coane, J. H.**, Minear, M. E., *Boland, S. C., & *Cooney, L. H. (2017, January). *Retrieval practice benefits students with attention deficit disorder – but they still perform worse than matched controls.* Presented at the 12th Meeting of the Society for Applied Research in Memory and Cognition, Sydney, Australia.
- Coane, J. H.**, Umanath, S., *Lester, J., & *Rosenthal, J. D. (2017, November). *I don't know vs. I don't remember: Can we discriminate failures of availability from those of accessibility? (Yes, and we don't need instructions).* Presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.
- *Xu, S., *Yu, Z., McBride, D. M., & **Coane, J. H.** (2017, November). *Short-term false memories vary as a function of list type.* Presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.
- Coane, J. H.**, *Yu, Z., *Xu, S., *Walsh, C., *Feng, Y., & *Gray, S. (2018, May). *False memory for associatively and categorically related lists in younger and older adults.* Presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- Coane, J. H.**, Umanath, S., *Walsh, C., *Lester, J., & *Lo, Y. (2018, May). *I don't know vs. I don't remember: Older adults have preserved meta-cognitive skills in assessing retrieval failures.*

- Presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- *Feng, Y., *Xu, S., **Coane, J. H.**, & Dacey, M. (2018, May). *The aging mind and the “smiling” chimpanzee: Anthropomorphic responses in an affective priming paradigm*. Presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- Umanath, S., **Coane, J. H.**, *Walsh, C., & *Lo, Y. (2018, November). *Remembering and knowing: Empirical consensus and disagreement between participants and researchers*. Presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.
- DiMauro, A. *Xu, S., *Chang, K., *Walsh, C., Wood, A., Huff, M., & **Coane, J. H.** (2018, November). *Mapping the time course of semantic activation in mediated false recognition*. Presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.
- *Xu, S., *Feng, Y., *Horwood, B., *Chang, K., McBride, D. M., & **Coane, J. H.** (2018, November). *Differential patterns of phonological and semantic false memories across different memory systems*. Presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Coane, J. H.** (2019, June). *Real-world susceptibility to misinformation: From headlines to social media*. Presented at the 13th Meeting of the Society for Applied Research in Memory and Cognition, Cape Cod, MA.
- *Feng, Y., **Coane, J. H.**, *Chang, K., & Dacey, M. (2019, November). *Is anthropomorphism an automatic process? Evidence from affective priming tasks*. Presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, QC, Canada.
- Cam, Y., McBride, D. M., **Coane, J. H.**, *Chang, K., *Antone, N., & *Zeng, Y. (2019, November). *Does articulatory suppression of phonological coding affect short- and long-term false memory?* Presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, QC, Canada.
- Coane, J. H.**, Umanath, S., *Cimenian, T., & *Chang, K. (2019, November). *Phenomenology of retrieval as memories transition from events to knowledge: Evidence from retrieval success and failure of recent public events*. Presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, QC, Canada.
- Coane, J. H.** (2020, January). The CogBlog: Integrating public writing in the classroom to help students communicate science effectively to lay audiences. *Poster presented at the 2020 National Institute for the Teaching of Psychology, Saint Petersburg, FL.*
- Coane, J. H.**, & Umanath, S. *A database of general knowledge performance in older adults*. Poster accepted at the Cognitive Aging Conference, April 2020, Atlanta, GA, USA. Conference cancelled due to COVID-19.
- Coane, J. H.**, Umanath, S., *Cimenian, T., & *Chang, K. *Phenomenology of retrieval as memories transition from events to knowledge: Evidence from retrieval success and failure of recent public events*. Poster accepted at the Cognitive Aging Conference, April 2020, Atlanta, GA, USA. Conference cancelled due to COVID-19
- Coane, J. H.**, Umanath, S., & Valdez, M. (2020, November). *A database of general knowledge question performance in older adults*. Presented at the 61st Annual Meeting of the Psychonomic Society (virtual).
- *Chang, K., **Coane, J. H.**, Fernandez, A., Diez, E., Alonso, M. A., Sanchez-Gutierrez, C., & McBride, D. M. (2021, November). *Examining lexical and associative factors that predict false memory*. Presented at the 62nd Annual Meeting of the Psychonomic Society (virtual).

- Coane, J. H.**, Umanath, S., *Cipollini, J., *Beaulieu, C., *Song, J., Itagaki, M. C., & Sakoda, M. I. (2021, November). *I thought I was smart until you asked me all those hard questions: Difficult general knowledge questions decrease perceived intelligence*. Presented at the 62nd Annual Meeting of the Psychonomic Society (virtual).
- Marsh, E. M., *Chang, K., McBride, D. M., & **Coane, J. H.** (2021, November). *Phonological and semantic false memories across memory systems*. Presented at the 62nd Annual Meeting of the Psychonomic Society (virtual).
- Umanath, S., **Coane, J.H.**, Hoover, K. M., & Sakoda, M. I. (2022, April). *From "It's on the Tip of my Tongue" to "I never learned that": Partitioning the phenomenology of knowledge-based retrieval failures in younger and older adults*. Poster presented at the Cognitive Aging Conference, Atlanta, GA, USA.
- Coane, J. H.**, *Xuan, Y., *Greenberg, M., & Umanath, S. (2022, November). *Flashbulb memories for local, personally experienced events: The case of campus closing Due to COVID-19*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.
- *Chang, K., *Levina, S., *Davy, L., *Nwanma, T., & **Coane, J. H.** (2022, November). *Semantic, phonological, and hybrid false memories as a function of language proficiency: Evidence for early emphasis on phonological processing*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.
- Umanath, S., **Coane, J. H.**, Lee, A., Hwang, J., & Hoover, K. M. (2022, November). *From inaccessibility to unavailability: Partitioning the phenomenology of knowledge-based retrieval failures in younger and older adults*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.
- *Cipollini, J., **Coane, J. H.**, Umanath, S., *Hernandez, L., *Barrett, T. E., *Levina, S., *Chang, K. (2022, November). *Definitions of intelligence, knowledge, and memory: How lay participants conceptualize these interrelated constructs*. Poster presented at the 63rd Annual Meeting of the Psychonomic Society, Boston, MA, USA.
- Umanath, S. & **Coane, J. H.** (2023, August). *Older adults recover more marginal knowledge and learn more effectively from feedback than younger adults: Evidence using "I don't know" vs. "I don't remember" for general knowledge questions*. Talk presented at the meeting of the Society of Applied Research in Memory and Cognition XIV, Nagoya, Japan.
- Whitman, K., **Coane, J. H.**, & Umanath, S. (2023, August). *From inaccessibility to unavailability: Successful metacognition for knowledge-based retrieval failures in younger and older adults*. Poster presented at the meeting of the Society of Applied Research in Memory and Cognition XIV, Nagoya, Japan.
- Whitman, K., Diaw, A., **Coane, J. H.**, & Umanath, S. (2023, November). *Successful metacognition for knowledge-related retrieval failures in younger and older adults using phenomenology*. Poster presented at the 64th Annual Meeting of the Psychonomic Society, San Francisco, CA, USA.
- Yuksel, E., McBride, D. M., & **Coane, J. H.** (2023, November). *Effects of delay on short- and long-term false memories for semantic and phonological lists*. Poster presented at the 64th Annual Meeting of the Psychonomic Society, San Francisco, CA, USA.
- Umanath, S., Uyeno, M., Bao, J., Cawley, S., Mohan, R., Whitman, K. M., & **Coane, J. H.** (2024, November). *Stabilizing access to marginal knowledge via re-study versus retrieval practice*

in older and younger adults. Poster presented at the 65th Annual Meeting of the Psychonomic Society, New York, NY, USA.

Umanath, S., Zhang, M., Lee, A. A., & **Coane, J. H.** (2024, November). *I don't remember, but I am curious! Understanding the relationship between curiosity and retrieval failure phenomenology.* Poster presented at the 65th Annual Meeting of the Psychonomic Society, New York, NY, USA.

Coane, J. H., Umanath, S., Lee, A. A., & Zhang, M. (2025, June). *I don't remember, but I am curious! Understanding the relationship between curiosity and retrieval failure phenomenology.* Talk at the 2025 Meeting of the Society for Applied Research in Memory and Cognition, Naas, Ireland.

Umanath, S., **Coane, J. H.**, Zhang, M., & McCollum, M. (2025, June). *Effects of the number of multiple-choice lures and item difficulty on older and younger adults' memory performance.* Talk at the 2025 Meeting of the Society for Applied Research in Memory and Cognition, Naas, Ireland.

PRESENTATIONS IN THE LOCAL COMMUNITY

Coane, J. H. (2011, March). *The interplay of knowledge, language, and memory.* Presentation given to the AAUW Bath-Brunswick Branch Meeting, Brunswick, Maine.

Coane, J. H. (2012, March). *Ups and downs: Memory changes in healthy aging.* Presentation given to the Active Older Adults monthly meeting, Waterville, Maine.

Coane, J. H. (2012, June). *Memory and healthy aging: An overview and introduction.* Presentation at the Spectrum Generations Muskie Center, Waterville, Maine.

Coane, J. H. (2012, June). *Promoting healthy (mental) aging 1: Physical and cognitive activity.* Presentation at the Spectrum Generations Muskie Center, Waterville, Maine.

Coane, J. H. (2012, June). *Promoting healthy (mental) aging 2: Diets, supplements, and medication.* Presentation at the Spectrum Generations Muskie Center, Waterville, Maine.

Coane, J. H. (2019, April). *Healthy cognitive aging.* Presentation at REM, Waterville, Maine.

I also offered one-hour seminars on Healthy Cognitive Aging at various locations in the area:

St Mark's Episcopal Church (October 2012)

WISDUM (Widowed, Single, Divorced, and Unmarried) Support Group (October 2012)

First Congregational Church/United Church of Christ 50 Plus Group (November 2012)

Granite Hill Estates, Hallowell, ME (January 2013)

Waterville Area Newcomers Social Club (January 2013)

University of Maine Augusta Senior College Brown Bag (January 2013)

TEACHING

COURSES TAUGHT at Colby College

Introduction to Psychology (Course Director, Instructor)

Memories and Memoirs (first year writing seminar)

September 2025

Cognitive Psychology
Seminar in Memory
Collaborative Research in Memory
Seminar in Cognitive Aging
Research Methods and Statistics in Psychology II (Lecture)
Research Methods and Statistics in Psychology Lab I & II
Senior Integrative Seminar
Senior Independent Project
Honors Research

ADDITIONAL TEACHING EXPERIENCE

Adolescent Development (Instructor of Record at Washington University in Saint Louis)
Cognitive Psychology (Teaching Assistant at Washington University in Saint Louis)
Statistics (Teaching Assistant at Washington University in Saint Louis)
Experimental Psychology Lab (Teaching Assistant at Washington University in Saint Louis)
Research Methods in Psychology Lab (Teaching Assistant at Illinois State University)

GRANTS AND TEACHING SUPPORT

Colby College – Writing in the Disciplines Course Development Grant (\$1500) (2014-2015)
Colby College – Writing in the Disciplines Course Development Grant (\$3000) (2016-2017)
Colby College – Your Next Big Thing Teaching Fellowship (\$7500) (2023-2024)

HONORS AND AWARDS

2002 Foundation Fellowship, Illinois State University
2002-2003, 2003-2004 Outstanding Graduate Assistant, Department of Psychology, Illinois State University
2003-2004 Charter Department Award for Excellence, Department of Psychology, Illinois State University
2004-2005 First-year Fellowship, Washington University in Saint Louis
2006-2007 Outstanding Teaching Assistant nominee, Department of Psychology, Washington University in Saint Louis
2007 Graduate Student Paper Award from the Midwestern Psychological Association
2007 Washington University in Saint Louis Teaching Citation
2007-2008 Dean's Dissertation Fellowship, Washington University in Saint Louis
2015 Early Career Award, Department of Psychology, Illinois State University
2023 Recipient of the CUR Psychology Division Mid-Career Mentoring Award

PROFESSIONAL ACTIVITIES

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Fellow, Psychonomic Society
Council on Undergraduate Research
Society for Applied Research in Memory and Cognition
Behavioral & Brain Sciences

PROFESSIONAL SERVICE

Associate Editor *Memory & Cognition* (January 2020 – present)
Consulting Editor at *Memory & Cognition* (March 2016 – December 2020)
Grant reviewer for the National Science Foundation (2023, 2024)
External review of the Psychology Department at Bucknell University (April 2025)
Ad-hoc reviewer for:

Acta Psychologica
American Journal of Psychology
Applied Cognitive Psychology
Behavior Research Methods
Brain Research
Cognition
Cognitive, Affective, and Behavioral Neuroscience
Cognitive Research: Principles and Implications
Consciousness and Cognition
Developmental Psychology
Ecological Psychology
European Journal of Cognitive Psychology
European Journal of Developmental Psychology
Frontiers in Human Neuroscience
Journal of Applied Research in Memory and Cognition
Journal of Cognitive Psychology
Journal of the Experimental Analysis of Behavior
Journal of Experimental Psychology: Applied
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Memory & Language
Journal of Retailing and Consumer Services
Memory
Memory & Cognition
Psychonomic Bulletin & Review
Psicológica
Psychological Research
The Psychological Record
Visual Cognition

Book/Proposal Reviews:

September 2025

Norton Publishing (Gleitman, Gross, & Reisberg – Psychology, 8th ed.)
Pearson Publishing (Introduction to Psychological Science, 1st ed.)
Psychology Press, Taylor & Francis (Big Data in Cognitive Science)

Reviewer for *Association for Psychological Science* Student Caucus (APSSC) Student Grant Competition & Student Research Competition

March 2013 - Session Chair at the Annual Meeting of the Eastern Psychological Association, New York, NY

CONSULTING

Research Assessor, Center for Applied Linguistics, February 2004

Data analysis for the College of Arts and Sciences, Washington University in Saint Louis, February 2006

MENTORING

Supervisor for students from the Students and Teachers as Research Scientists (STARS) program (Summer 2005, 2006; Washington University in Saint Louis)

Honors thesis supervisor for Carrie M. Potter (2008-2009). Thesis Title: *The effects of eating behaviors and exercise patterns on the processing of food and exercise related stimuli.*

Honors thesis supervisor for Chelsea M. Stillman (2009-2010). Thesis Title: *The effects of individual differences and domain specificity on the survival processing advantage.*

Honors thesis supervisor for Lauren E. Tracy (2010-2011). Thesis Title: *Reward or loss: The influence of outcome anticipation on learning and memory.*

Honors thesis supervisor for Adam C. LaViolet (2012-2013). Thesis Title: *Political priming: The effect of external factors on word recognition and recall.*

Honors thesis supervisor for Melissa A. Preziosi (2014-2015). Thesis Title: *Sound symbolism and cognitive processing of onomatopoeic words.*

Honors thesis supervisor for Sara LoTempio (2015-2016). Thesis Title: *Religious attitudes and beliefs in climate change*

Honors thesis supervisor for Yi-Pei Lo (2017-2018). Thesis Title: *Motivated learning: The importance of interest and value in memory and meta-memory*

Honors thesis supervisor for Zhichun Yu (2017-2018). Thesis Title: *Phenomenology and metacognition of false memory*

Honors thesis supervisor for Bridget Horwood (2018-2019). Thesis Title: *The role of context on the memorability and perceived accuracy of political fake news*

Honors thesis supervisor for Kai Chang (2020-2021). Thesis Title: *Examining lexical and associative factors that predict phonological false memories*

Honors thesis supervisor for Erica Chung (2021-2022). Thesis Title: *The effects of socio-economic status on executive function and DLPFC size over the lifespan*

Honors thesis supervisor for Talia Barrett (2022-2023). Thesis Title: *Does prior task success compensate for the negative effects of stereotype threat in older adults?*

Honors thesis supervisor for Giovanna Novi (2024-2025). Thesis Title: *Curiosity and metacognition*

September 2025

in younger and older adults.

CONFERENCE ORGANIZATION

Graduate Assistant and Panel Discussant, Concepts of Consciousness Workshop, Illinois State University, November 2004

Member, Organizing Committee, 12th Annual Show Me the Mental State Conference, Washington University in Saint Louis (Summer 2006)

Member, Organizing Committee, Mainly Data, Some Theory Conference for Experimental Psychology in Maine (2010-2016)

Co-organizer, Encouraging future scientists: Supporting undergraduates at Psychonomics (2018, 2019, 2022, 2023)

**Thanks in part to the activities of this group, as of February 2023, undergraduate students can now apply for membership in the Psychonomic Society*

CIVIC AND COMMUNITY ENGAGEMENT

Co-chair of Aging Well in Waterville volunteer group (2016-2019)

Faculty coordinator for Legacy Storytellers Project in collaboration with Woodlands Residential Living (2015-present)

Faculty Sponsor for Generations Club (Giovanna Novi '25 & Saathvika Diviti '25)

Faculty Sponsor for O'Hanian-Szostak Fellowship awarded to Katie Callahan ('24)

Faculty Sponsor for O'Hanian-Szostak Fellowship awarded to Victoria Melehov ('25)

Faculty Support for Davis Projects for Peace Grant to Giovanna Novi '25 "Effective and Respectful Communication with Older Adults: Promoting a Culture of Care and Understanding"

UNIVERSITY & DEPARTMENT SERVICE

Graduate Student Representative on Illinois State University's Psychology Department faculty search committee for Cognitive and Behavioral Sciences sequence (January – March, 2003)

Graduate Student Member on the Teaching Award Committee (Washington University in Saint Louis, March, 2005)

Graduate Student Brown Bag Coordinator (Washington University in Saint Louis, Fall 2005-Spring 2006)

Peer Mentor (Washington University in Saint Louis, Fall 2005-Spring 2006)

Graduate Student Testing Room Coordinator (Washington University in Saint Louis, Fall 2006)

Graduate Student Representative on the University Parking and Transportation Committee (Washington University in Saint Louis, 2006-2008)

Graduate Student Representative on the Psychology Department's Graduate Studies Committee (Washington University in Saint Louis, 2007-2008)

Volunteer for American Association of University Women (AAUW) annual Future Focus (Colby College, October 2008)

Faculty Participant at Annual Posse Plus Retreat (Colby College, February 2009)

Biology Department Sabbatical Replacement Search Committee, 2 positions (Colby College, 2009)
Library Committee (Colby College, 2010-2012)

Psychology Department Newsletter Coordinator (Colby College, 2010-2011)
Computer Science Department Sabbatical Replacement Search Committee (Colby College, 2011)
Volunteer for American Association of University Women (AAUW) annual Future Focus (Colby College, March 2012)
First Class Instructor (2012; 2014; 2022; 2023)
Independent Study Committee (Colby College, 2012-2017; co-chair 2013-2017)
Course Evaluation Committee (Colby College, 2012-2013)
Committee on Teaching and Learning (Colby College 2012-2015)
Center for Teaching and Learning Faculty Advisor Board Member (Colby College, 2016-2018)
Departmental Faculty Liaison for Writing Enhanced Curriculum Initiative (Colby College, 2017-2018; 2020-2021)
First Semester Review Committee for Elizabeth Seto (Colby College, 2018)
First Semester Review Committee for Caitrin Eaton (Colby College, 2018)
Search committee member for tenure track position in neuroscience (Colby College, 2019)
First Semester Review Committee for Veronica Romero (Colby College, 2020)
First Semester Review Committee for Jin Goh (Colby College, 2020)
First Semester Review Committee for Derek Hoffman (Colby College, 2021)
First Semester Review Committee for Madi Al-Nasr (Colby College, 2021)
Sixth Semester Review Committee for Jin Goh (Colby College, 2022)
Sixth Semester Review Committee for Veronica Romero (Colby College, 2022)
First Semester Review Committee for Stephanie Dodson (Colby College, 2023)
First Semester Review Committee for Changningphaabi Namoiijam (Colby College, 2023)
Sixth Semester Review Committee for Derek Huffman (Colby College, 2023)
Psychology department SONA Coordinator (Colby College, 2020-present)
Pulver Scholar Selection Committee (Colby College, 2020-present)
Tenure Review Committee for Elizabeth Seto (Colby College, 2024)
Tenure Review Committee for Jin Goh (Colby College, 2024)
First Semester Review Committee for Isaac Lage (Colby College, 2024)
Science Planning Working Group (Colby College, 2024)
Academic Integrity Committee (Colby College, 2019-2020, 2021-2022)
Diversity and Inclusion Committee (Colby College, 2019-2025; chair 2021-2022; chair 2023-2025)
Academic Integrity Coordinator (Colby College, 2022-2025)