

M Karl Healey

Michigan State University
Department of Psychology

✉ khealey@msu.edu
📠 cbcc.psy.msu.edu

Academic Appointments

2016–	Assistant Professor	Michigan State University
-------	---------------------	---------------------------

Education

2011–2016	Postdoctoral Fellow	University of Pennsylvania Advisor: Michael J. Kahana
2011	Ph.D. Psychology	University of Toronto Advisor: Lynn Hasher
2006	M.A. Psychology	University of Toronto Advisor: Akira Miyake
2004	B.Sc. (Hons) Psychology	Memorial University Advisor: Rita Anderson

Refereed Journal Articles (^σ = trainee)

1. Anderson, J. A. E., **Healey, M. K.**, Peterson, M. A., and Hasher, L. (2016). Age-related deficits in inhibition in figure-ground assignment in stationary displays. *Journal of Vision*, 16, 1–12.
2. **Healey, M. K.** and Kahana, M. J. (2016). A four-component model of age-related memory change. *Psychological Review*, 123, 23–69. [PDF](#).
3. Burke, J. F., Sharan, A. D., Evans, J., Ramayya, A., **Healey, M. K.**, Sperling, M. R., and Kahana, M. J. (2014). Theta and high-frequency activity mark spontaneous episodic retrieval during free recall. *Journal of Neuroscience*, 34, 11355–11365. [PDF](#).
4. **Healey, M. K.**, Crutchley^σ, P., and Kahana, M. J. (2014). Individual differences in memory search and their relation to intelligence. *Journal of Experimental Psychology: General*, 143, 1553–1569. [PDF](#).
5. **Healey, M. K.** and Kahana, M. J. (2014). Is memory search governed by universal principles or idiosyncratic strategies? *Journal of Experimental Psychology: General*, 143, 575–596. [PDF](#).
6. **Healey, M. K.**, Ngo, K. W. J., and Hasher, L. (2014). Below baseline suppression of competitors during interference resolution by younger but not older adults. *Psychological Science*, 25, 145–151. [PDF](#).
7. **Healey, M. K.**, Hasher, L., and Campbell, K. L. (2013). The role of suppression in resolving interference: evidence for an age-related deficit. *Psychology and Aging*, 28, 721–728. [PDF](#).
8. Campbell, K. L., Zimmerman, S., **Healey, M. K.**, Lee, M. M. S., and Hasher, L. (2012). Age differences in visual statistical learning. *Psychology and Aging*, 27, 650–656. [PDF](#).
9. **Healey, M. K.**, Hasher, L., and Danilova^σ, E. (2011). The stability of working memory: do previous tasks influence complex span? *Journal of Experimental Psychology: General*, 140, 650–656. **(Earned APA New Investigator Award)**. [PDF](#).

10. **Healey, M. K.**, Campbell, K. L., Hasher, L., and Osher^σ, L. (2010). Direct evidence for the role of inhibition in resolving interference in memory. *Psychological Science*, 21, 1464–1470. [PDF](#).
11. **Healey, M. K.** and Hasher, L. (2009). Limitations to the deficit attenuation hypothesis: aging and decision making. *Journal of Consumer Psychology*, 19, 17–22. [PDF](#).
12. **Healey, M. K.** and Miyake, A. (2009). The role of attention during retrieval in working-memory span: a dual-task study. *Quarterly Journal of Experimental Psychology*, 62, 733–745. [PDF](#).
13. Kim, S., **Healey, M. K.**, Goldstein, D., Hasher, L., and Wiprzycka, U. J. (2008). Age differences in choice satisfaction: a positivity effect in decision making. *Psychology and Aging*, 23. [PDF](#).

Refereed Papers In Conference Proceedings

1. **Healey, M. K.**, Campbell, K. L., and Hasher, L. (2008). Cognitive aging and increased distractibility: Costs and potential benefits. In W. S. Sossin, J. C. Lacaille, V. F. Castellucci, & S. Belleville (Eds.) *Progress in Brain Research, Vol. 169: Essence of Memory* (pp. 353–363). Amsterdam, the Netherlands: Elsevier. [PDF](#).

Book chapters

1. **Healey, M. K.** (2016). Interference. In S. K., Whitbourne (Ed.), *The Encyclopedia of Adulthood and Aging*. New York: Wiley-Blackwell.

Working Manuscripts (^σ = trainee)

1. **Healey, M. K.** and Kahana, M. J. (under revision). Neural dynamics during memory encoding provide a biomarker of successful aging.
2. **Healey, M. K.**, Long, N. M., and Kahana, M. J. (under revision). Contiguity in episodic memory.
3. Broitman^σ, A. W., **Healey, M. K.**, and Kahana, M. J. (in prep). The differential effects of age on episodic memory and skill acquisition in a longitudinal study.
4. **Healey, M. K.** (in prep). Temporal contiguity in incidentally encoded memories.
5. **Healey, M. K.** and Kahana, M. J. (in prep). Scalp electroencephalography reveals neural context reinstatement during episodic memory retrieval.

Conference Presentations—Last 3 years (^σ = trainee)

1. Broitman^σ, A. W., **Healey, M. K.**, and Kahana, M. J. (2016). Separating effects of practice and age-related change. Poster at the 57th annual meeting of The Psychonomic Society, Boston, MA.
2. Broitman^σ, A. W., **Healey, M. K.**, and Kahana, M. J. (2016). Separating effects of practice and age-related change. Poster presented at the Annual meeting of the society for mathematical psychology. New Brunswick, NJ.
3. **Healey, M. K.** and Kahana, M. J. (2016). Contiguity in episodic memory. Talk at the 57th annual meeting of The Psychonomic Society, Boston, MA.
4. **Healey, M. K.** and Kahana, M. J. (2016). Neural Dynamics During Memory Encoding Provide a Biomarker of Successful Aging. Poster presented at the Cognitive Aging Conference, Atlanta, GA.
5. **Healey, M. K.** and Kahana, M. J. (2016). Neural Dynamics During Memory Encoding Provide a Biomarker of Successful Aging. Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA.

6. **Healey, M. K.** and Kahana, M. J. (2015). A four-component model of age-related memory change. Featured Talk at the Context and Episodic Memory Symposium, Philadelphia, PA.
7. **Healey, M. K.** and Kahana, M. J. (2015). A four-component model of age-related memory change. Psychonomic Society **Select-Speaker Award Talk** at the 56th annual meeting of The Psychonomic Society, Chicago, IL.
8. **Healey, M. K.** and Kahana, M. J. (2015). Neural context reinstatement during episodic memory retrieval with scalp electroencephalography. Poster presented at the annual meeting of The Society for Neuroscience, Chicago, IL.
9. **Healey, M. K.** and Kahana, M. J. (2015). Neural context reinstatement during episodic memory retrieval with scalp electroencephalography. Poster presented at the Computational Approaches to Cognition Symposium—Society for Mathematical Psychology, Chicago, IL.
10. **Healey, M. K.** and Kahana, M. J. (2014). A new approach to understanding age-related memory impairments. Data Blitz Talk at the Context and Episodic Memory Symposium, Philadelphia, PA.
11. **Healey, M. K.** and Kahana, M. J. (2014). A new approach to understanding age-related memory impairments. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
12. **Healey, M. K.** and Kahana, M. J. (2014). Commentary on: Long-term memory representations limit the capacity of free recall of unrelated words. Commentary at the Context and Episodic Memory Symposium, Philadelphia, PA.

Funding

- 2016 MSU Department of Psychology Interdisciplinary Workshop/Project Funding. Funds (\$5070) to establish an older adult participant pool for use by department members. Role: co-PI along with Bill Chopik.

Honors and Awards

- 2015 Psychonomic Society Select-Speaker Award (\$1500 for travel)
2012 APA New Investigator Award: Division 3
2009 Ontario Graduate Scholarship (\$15,000)
2009 Best graduate student poster for Division 3 at APA convention
2009 Men's Service Group Graduate Student Fellowship (\$6900)
2007 Ontario Graduate Scholarship (\$15,000)
2005 Mary H. Beatty Scholarship (\$5000)
2004–06 Natural Sciences and Engineering Research Council of Canada Scholarship (\$17,300/yr)
2004 Offered an Ontario Graduate Scholarship (\$15,000/yr; declined in favor of NSERC)

Professional Activities

Professional Memberships

- Fellow of the Psychonomic Society
- Society for Neuroscience

Ad Hoc Reviewing

Psychological Review; JEP: General; JEP: Learning, Memory, and Cognition; Psychonomic Bulletin & Review; Cortex; Memory; Psychology and Aging; Memory & Cognition; Consciousness and Cognition; Cognitive Processing; Experimental Aging Research; Journal of Experimental Social Psychology; Aging, Neuropsychology

and Cognition; Sage Open; Journal of Gerontology: Psychological Sciences; Quarterly Journal of Experimental Psychology

Service

- Member of comprehensive exam committees (Memory; Skill Acquisition & Expertise)

Courses Taught _____

- Cognitive Psychology (PSY200 – Michigan State University)
- Statistics II (PSY202 – University of Toronto)

Mentorship _____

Undergraduate

- 2016 Lauren Bernhardt
- 2016 Ryan Bean
- 2016 Lexie Brimmeier
- 2016 Riley Smith
- 2016 Adam Broitman
- 2015 Stamatia Liapis
- 2014 Patrick Crutchley
- 2010 Polong Lin
- 2009 Jane Kouptsova
- 2008 Lynn Ossher
- 2008 Margot Sullivan
- 2007 Jamie Benoit
- 2007 Elena Danilova
- 2007 Lauren Long