

Elizabeth A. Wiemers

Curriculum Vitae

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Education

Purdue University – West Lafayette, IN

Ph.D. Cognitive Psychology

M.S. Cognitive Psychology

Advisor: Thomas S. Redick

Expected 2020

December 2016

Elmhurst College – Elmhurst, IL

B.S., with Honors, Honors Program Scholar

Majors in Psychology and Biology

Research Advisors: Sara Finley, Katherine S. Moore

May 2014

Publications

Moore, K. S. & **Wiemers, E. A.** (in press). Practice reduces set-specific capture costs only superficially. *Attention, Perception, & Psychophysics*.

Wiemers, E. A. & Redick, T. S. (2018). Working memory capacity and intra-individual variability of proactive control. *Acta Psychologica, 182*, 21-31.
doi:10.1016/j.actpsy.2017.11.002

Redick, T. S., Shipstead, Z., **Wiemers, E. A.**, Melby-Lervåg, M., & Hulme, C. (2015). What's working in working memory training? An educational perspective. *Educational Psychology Review, 27*, 617-633. doi:10.1007/s10648-015-9314-6

Redick, T. S., **Wiemers, E. A.**, & Engle, R. W. (under review). The role of proactive interference, variability, and strategy use in working memory training and transfer.

Gunn, R. L., Gerst, K. R., **Wiemers, E. A.**, Redick, T. S., & Finn, P. R. (under review). Predictors of effective working memory training in those with alcohol use disorders.

Conference Proceedings Papers

Finley, S. & **Wiemers, E.** (2015). Phonological and semantic consistency as cues for learning morphological systems. *Proceedings of the West Coast Conference on Formal Linguistics*, 11-20.
<http://www.lingref.com/cpp/wccfl/32/paper3152.pdf>

Finley, S., & **Wiemers, E.** (2013). Rapid learning of morphological paradigms. *Proceedings of the Cognitive Science Society*, 442-447.
<http://mindmodeling.org/cogsci2013/papers/0104/paper0104.pdf>

Professional Presentations

- Wiemers, E.A.** & Redick, T.S. (2017, March) *The relationship between working memory capacity and go/no-go performance*. Talk given at Purdue Cognitive Psychology Colloquium. West Lafayette, IN.
- Wiemers, E. A.** & Redick, T. S. (2016, November). *Stimulus and decision type influence go/no-go performance and relationship to working memory capacity*. Poster given at the annual meeting of the Psychonomic Society. Boston, MA.
- Wiemers, E. A.** & Redick, T. S. (2016, May). *Working memory capacity relationships with perceptual and semantic go/no-go tasks*. Poster given at the annual meeting of the Association for Psychological Science. Chicago, IL.
- Wiemers, E.A.** & Redick, T.S. (2016, April) *Working memory capacity, attention, and counting ability*. Talk given at Purdue Cognitive Psychology Colloquium. West Lafayette, IN.
- Redick, T. S. & **Wiemers, E. A.** (2016, March). *What's working in working memory training?* Talk given at the annual meeting of the Southern Society for Philosophy and Psychology. Louisville, KY.
- Wiemers, E. A.** & Redick, T. S. (2015, November). *Working memory capacity and the role of dynamic adjustments in proactive control*. Poster given at the annual meeting of the Psychonomic Society. Chicago, IL.
- Redick, T.S., & **Wiemers, E.A.** (2015, May). *The role of proactive interference in working memory training and transfer*. Poster given at the annual meeting of the American Psychological Society. New York, NY.
- Wiemers, E.A.**, & Redick, T.S. (2015, April). *Working memory capacity and practice-related proactive shift in cognitive control*. Poster given at the annual meeting of the Midwestern Psychological Association. Chicago, IL.
- Moore, K.S., **Wiemers, E.**, Jenson, A., & Krefft, S. (2015, April). *Distractions while multitasking exert early and persistent effect on search*. Talk given at the annual meeting of the Midwestern Psychological Association. Chicago, IL.
- Wiemers, E.A.** & Redick, T.S. (2015, April) *Working memory capacity and cognitive control: Lapses of attention, conflict adaptation, and the practice-related proactive shift*. Talk given at Purdue Cognitive Psychology Colloquium. West Lafayette, IN.
- Moore, K.S. & **Wiemers, E.** (Nov., 2014) *Set-specific capture effects are reduced by associative memory, but flexible task-switching is not improved*. Poster given at the annual meeting of the Psychonomic Society. Long Beach, CA.

- Wiemers, E., Damra, R., & Moore, K.S. (2014, May)** *Overcoming distraction in a visual attention task*. Talk given at the annual meeting of the Midwestern Psychological Association. Chicago, IL.
- Wiemers, E., Damra, R., & Moore, K.S. (2014, May).** *Overcoming distraction in a visual attention task*. Talk given at the annual Student Research and Performance Showcase. Elmhurst, IL.
- Wiemers, E., & Moore, K.S. (2013, November).** *Dual-target contingent attentional capture effects are modulated by associative learning*. Poster given at the annual meeting of the National Collegiate Honors Council. New Orleans, LA.
- Finley, S., & **Wiemers, E.** (2013, May). *Rapid learning of gender and number paradigms*. Poster given at the annual meeting of the Midwestern Psychological Association. Chicago, IL.
- Moore, K.S., **Wiemers, E.**, Lee, S., & Santos, C. (2013, May). *Dual-target contingent attentional capture effects are modulated by associative learning*. Poster given at the annual meeting of the Vision Sciences Society. Naples, FL.
- Wiemers, E., & Santos, C. (2013, May).** *Multitasking, attention, and memory*. Poster given at the annual Student Research and Performance Showcase. Elmhurst, IL. Faculty Sponsor: Dr. Katherine S. Moore.
- Wiemers, E. (2013, May).** *Rapid learning of morphological paradigms*. Poster given at the annual Student Research and Performance Showcase. Elmhurst, IL. Faculty Sponsor: Dr. Sara Finley.
- Wiemers, E., Mathy, A., McDonald, J., & Brautigam, N. (2012, May).** *Effect of music tempo on homework*. Poster given at the annual Student Research and Performance Showcase. Elmhurst, IL. Faculty Sponsor: Dr. Catherine Gaze.

Research Positions

- Applied Cognition Lab** – Purdue University
Graduate Researcher Fall 2014 – Present
 Principle Investigator: Dr. Thomas S. Redick
- Attention, Memory, and Perception Lab** – Elmhurst College
Lab Manager Fall 2013
Research Assistant Fall 2012- Summer 2013, Spring 2014
 Principle Investigator: Dr. Katherine S. Moore
- Language Learning Lab** – Elmhurst College
Research Assistant Spring 2012- Summer 2012
 Principle Investigator: Dr. Sara Finley

Relevant Experiences

Graduate Teaching Assistant – Purdue University
PSY 200 – Introduction to Cognitive Psychology Fall 2015, Spring 2016

Ad hoc Reviewer 2016
PLoS ONE

Honors and Awards

National Science Foundation GRFP Honorable Mention 2015
Elmhurst College Founders' Award Finalist 2014
Psychology Departmental Award Junior, 2013, Senior, 2014
Fraternal Values Society Inducted Spring 2014
Beta Beta Beta – National Biological Honor Society Inducted Spring 2014
Phi Beta Delta – Honor Society for International Scholars Inducted Spring 2013
Omicron Delta Kappa – The National Leadership Honor Society Inducted Fall 2012
Pi Gamma Mu – International Honor Society in Social Sciences Inducted Fall 2012
Psi Chi – International Honor Society in Psychology Inducted Spring 2012

Grants and Scholarships

Compton Professional Development Grant (\$500) 2016
Ross Fellowship 2014-2015
Presidential Scholarship 2010-2014
Swords Scholar Research Grant (\$1000) 2013
Professional Bridges Grant (\$500, \$500) 2013, 2014
Virginia Prochaska Endowment Travel Fund 2013
Summer Student – Faculty Collaboration Research Grant (\$3000, \$3000) 2012, 2013
Hoefler Memorial Scholarship 2013-2014

Professional Development

Meta-Analysis Workshop (CMA) – New York, NY April 2016