

# Elizabeth A. Wiemers

## Curriculum Vitae

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### Education

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#### **Purdue University** – West Lafayette, IN

*Ph.D. Cognitive Psychology*

*M.S. Cognitive Psychology*

Advisor: Thomas. S. Redick

Expected 2019

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

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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*. doi:10.1007/s10648-015-9314-6

**Wiemers, E. A.** & Redick, T. S. (submitted). Working memory capacity and intra-individual variability of proactive control.

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

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

### Conference Proceedings Papers

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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

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**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.**, Ramos, G., Trencheny, K., Krefft, S., & Jensen, A. (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**

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**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**

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

**Ad hoc Reviewer** 2016  
PLoS ONE

## **Honors and Awards**

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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**

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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**

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