

David W. Sutterer
Curriculum Vitae

Personal Info

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Education

Present **University of Chicago**
PhD Candidate in the Department of Psychology
Advisor: Edward Awh

2014 **University of Oregon**
M.S. in Psychology
Advisor: Edward Awh

2010 **University of Wisconsin – Madison**
B.S. Double Major in Biology and Psychology
Undergraduate Thesis Advisor: Bradley, R. Postle

Publications

Foster, J.J., **Sutterer, D.W.**, Serences, J.T., Vogel, E.K., & Awh, E. (Online First). Alpha-band oscillations enable spatially and temporally resolved tracking of covert spatial attention. *Psychological Science*.

Oberauer, K., Awh, E., **Sutterer, D.W.** (2017). The role of long-term memory in a test of visual working memory: Proactive facilitation but no proactive interference. *Journal of Experimental Psychology: Learning Memory and Cognition*, 43(1), 1-22.

Emrich, S.M., Johnson, J.S., **Sutterer, D.W.**, Postle, B.R. (2017). Comparing the effects of 10-hz repetitive TMS on tasks of visual STM. *Journal of Cognitive Neuroscience*, 29(2), 286-297.

Ester, E., **Sutterer, D. W.**, Serences, J., & Awh, E. (2016). Feature-selective attentional modulations in human frontoparietal cortex. *Journal of Neuroscience*, 36(31): 8188-8199.

Foster J.J., **Sutterer, D.W.**, Serences, J.T., Vogel, E.K., & Awh, E. (2016). The topography of alpha-band activity tracks the content of spatial working memory. *Journal of Neurophysiology*, 115(1) 168-177.

Sutterer, D.W., & Awh, E. (2016) Retrieval practice enhances the accessibility but not the quality of memory. *Psychonomic Bulletin & Review*, 23(3): 831-841.

Postle, B.R., Awh, E., Serences, J.T., **Sutterer, D.W.**, & D'Esposito, M. (2013). The positional specificity effect reveals a passive trace contribution to visual short-term memory. *PLOS One*, 8(12): e83483.

Kundu, B., **Sutterer, D.W.**, Emrich, S.M., & Postle, B.R. (2013). Strengthened effective connectivity underlies transfer of working memory training to tests of short-term memory and attention, *The Journal of Neuroscience*, 33(20): 8705-8715.

Johnson, J.S., **Sutterer, D.W.**, Acheson, D.J., Lewis-Peacock, J.A., & Postle, B.R. (2011). Increased alpha-band power during the retention of shapes and shape-location associations in visual short-term memory, *Frontiers in Psychology*, 2(128): 1-9.

Manuscripts under Review

van Moorselaar, D., Foster, J.J., **Sutterer, D.W.**, Theeuwes, J., Olivers, C.N.L., Awh, E. (under review). Spatially selective alpha oscillations reveal moment-by-moment tradeoffs between working memory and attention.

Manuscripts in Preparation

Sutterer, D.W., Foster, J.J., Serences, J.T., Vogel, E.K., Awh, E. (in prep). Alpha-band Oscillations Track the Retrieval of Precise Spatial Representations from Long Term Memory.

Sutterer*, D.W., Foster*, J.J., Adam, K.C.S., Vogel, E.K., Awh, E. (in prep). Spatial selectivity of alpha band activity declines with increasing visual working memory load.

Talks

Vo V.A., **Sutterer, D.W.**, Foster, J.J., Sprague, T.C., Serences, J.T., Awh, E. Neural representations of spatial position recalled from long-term and short-term memory diverge across the cortical hierarchy. Presentation at 2017 annual meeting of the Vision Sciences Society.

Sutterer, D.W., Anderson, D.E., Serences, J.T., Vogel, E.K., Awh, E. Theta Oscillations Track the Content of Representations Retrieved from Long Term Memory. Presentation at 2015 annual meeting of the Vision Sciences Society.

Sutterer, D.W., Awh, E. Testing Enhances the Probability but not the Precision of Memory Recall. Presentation at 2014 annual Cognitive Science and Integrative Learning (CSAIL) meeting.

Poster Presentations (presenting author)

Sutterer, D.W., Foster J.J., Adam, K.C.S., Vogel, E.K., Awh, E. Spatial Selectivity of Alpha Band Activity Declines with Increasing Visual Working Memory Load. Presented poster at 2017 annual meeting of the Vision Sciences Society.

Sutterer, D.W., Foster J.J., Serences, J.T., Vogel, E.K., Awh, E. Patterns of Alpha-band Oscillations Track Spatial Long Term Memory Performance. Presented poster at 2017 annual meeting of the Cognitive Neuroscience Society.

Sutterer, D.W., Foster J.J., Serences, J.T., Vogel, E.K., Awh, E. Alpha Oscillations Track the Content of Representations Retrieved from Long Term Memory. Presented poster at 2015 annual meeting of the Psychonomic Society.

Sutterer, D.W., Foster J.J., Serences, J.T., Vogel, E.K., Awh, E. Alpha Oscillations Track the Content of Representations Retrieved from Long Term Memory. Presented poster at 2015 annual meeting of the Society for Neuroscience.

Sutterer, D.W., Anderson, D.E., Serences, J.T., Vogel, E.K., Awh, E. Theta Oscillations Track the Content of Representations Retrieved from Long Term Memory. Presented poster at 2015 annual

meeting of the Cognitive Neuroscience Society.

Sutterer, D.W., Awh, E., Testing Enhances the Probability but not the Precision of Memory Recall. Presented poster at 2014 annual meeting of the Vision Sciences Society.

Sutterer, D.W., Anderson D. E., Awh, E. Perceptual Precision Predicts Working Memory Precision. Presented poster at 2013 annual meeting of the Vision Sciences Society.

Sutterer, D.W., Johnson, J.S., Acheson D.J., and Postle, B.R. Probing the Function of Delay-period Alpha-band Oscillations in Visual Working Memory. Presented poster at 2010 annual meeting of the Cognitive Neuroscience Society.

Professional Experience

2010 – 2012 *Lab Manager*, University of Wisconsin – Madison, Postle Laboratory
2009 – 2010 *Senior Thesis Student*, University of Wisconsin – Madison, Postle Laboratory
2008 – 2009 *Research Assistant*, University of Wisconsin – Madison, Postle Laboratory
2008 *Research Supervisor*, University of Wisconsin – Madison, Intrinsic Motivation Lab
2007 *Research Assistant*, University of Wisconsin – Madison, Intrinsic Motivation Lab

Academic Advising and Service

2008 – 2010 *House Fellow*, Division of University Housing, University of Wisconsin – Madison

Teaching Experience

Winter 2017 *Teaching Assistant*: Introduction to Learning and Memory, University of Chicago.
Spring 2016 *Teaching Assistant*: Sensation and Perception, University of Chicago.
Spring 2012 *Teaching Assistant*: Research Methods, University of Wisconsin-Madison.

Honors and Awards

2017 Elsevier/Vision Research Travel Award, Vision Sciences Society 2017
2015 Graduate Student Award, Cognitive Neuroscience Society 2015
2007 – 2010 Deans List: Fall 2007, Spring 2008, Fall 2008, Spring 2009, Fall 2009, Spring 2010
2009 Inducted into the University of Wisconsin-Madison Chapter of Psi Chi

Ad Hoc Reviewer

Cognitive Affective & Behavioral Neuroscience
Journal of Experimental Psychology: Learning Memory and Cognition