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## Khena Marie Iyer Swallow

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### Employment

7/2013 – Present	Assistant Professor, Department of Psychology Cornell University
9/2009 – 6/2013	Research Associate, Department of Psychology University of Minnesota (Supervisor: Yuhong Jiang)
9/2007 – 9/2009	Postdoctoral Associate, Department of Psychology University of Minnesota (Supervisor: Yuhong Jiang)
7/2000 – 7/2001	Developer I, Gold Systems, Inc. PLSQL and Oracle, Salt Lake City, UT
7/1999 – 7/2000	Research Assistant and Lab Supervisor, Department of Psychology University of Utah (Supervisor: Frances Friedrich)

### Education

2007	Washington University in St. Louis	Ph.D., studied Cognitive Neuroscience Advisor: Jeffrey Zacks
2003	Washington University in St. Louis	M.A., studied Cognitive Neuroscience Advisor: Jeffrey Zacks
1999	University of Utah	B.A. <i>magna cum laude</i> Double major in Psychology & Sociology Certificate in Criminology

## Academic Awards and Honors

Paul Award for Excellence in Mentoring and Advising, Cornell University, 2019  
 Washington University in St. Louis, Dean's Dissertation Fellowship, 2005-2006  
 Washington University in St. Louis, David Clayson Scholarship in Psychology, 2003-2006  
 Washington University in St. Louis, Summer Research Fellowship, 2002-2005, 2007  
 University of Utah, Frost Award in Sociology, 1999  
 Phi Kappa Phi Honor's Society

## Research Support

NIH RoI (under review)	PI (Swallow)	4/20-3/25
<i>The effects of locus coeruleus dysfunction on connectivity and event processing in Autism Spectrum Disorder</i>		
Funding amount: \$3,732,108		
Role: Primary Investigator		
Institute for Social Sciences, Cornell University	PI (Swallow)	12/17-12/20
<i>Can the attentional boost effect mitigate racial bias?</i>		
Funding amount: \$10,680		
Role: Primary Investigator		
Institute for Social Sciences, Cornell University	PI (Swallow)	12/15-12/18
<i>Exploring the role of culture in event segmentation</i>		
Funding amount: \$10,000		
Role: Primary Investigator		
Simons Foundation	PI (Jiang)	9/11-11/12
<i>Autism and Attention</i>		
Funding amount: \$60,000		
Role: Key Personnel, Co-Investigator		
Army Research Office	PI (Jiang)	8/11-5/12
<i>Optimizing temporal attention in dual-task situations</i>		
Funding amount: \$50,000		
Role: Key Personnel, Co-Investigator		

Autism Initiative, MN	PI (Jiang)	3/10-2/12
<i>Boosting attention across sensory modalities in individuals with autism spectrum disorder</i>		
Funding amount: \$44,000		
Role: Co-Investigator		
Brain Imaging Project Grant, U of Minnesota	PI (Jiang)	5/10-6/11
<i>Brain basis of the attentional boost effect</i>		
Funding amount: \$10,000		
Role: Co-Investigator		
Institute for Marketing, U of Minnesota	PI (Jiang)	8/08-7/10
<i>The effect of target detection on memory and preference for background scenes</i>		
Funding amount: \$18,000		
Role: Co-Investigator		

## Publications

A complete list of my publications is available on my lab website, [amp-lab.psych.cornell.edu](http://amp-lab.psych.cornell.edu), and in my NCBI bibliography at [https://www.ncbi.nlm.nih.gov/myncbi/1-\\_oiDGUM8RAT/bibliography/public/](https://www.ncbi.nlm.nih.gov/myncbi/1-_oiDGUM8RAT/bibliography/public/).

### Refereed Journal Articles

+ = Cornell student or post-doctoral author

Swallow, K. M., Jiang, Y. V., & Riley<sup>+</sup>, E. B. (2019). Target detection increases pupil diameter and enhances memory for background scenes during multi-tasking. *Scientific Reports*, 9, 5255.

Turker<sup>+</sup>, H. B., & Swallow, K. M. (2019). Attending to behaviorally relevant moments enhances incidental relational memory. *Memory & Cognition*, 47, 1-16.

Swallow, K.M. & Atir<sup>+</sup>, S. (2019). The role of value in the attentional boost effect. *Quarterly Journal of Experimental Psychology*, 72, 523-542.

Li<sup>+</sup>, X., Swallow, K. M., Chiu<sup>+</sup>, M., De Rosa, E., & Anderson, A. K. (2018). Does the body give the brain an attentional boost? Examining the relationship between attentional and cardiac gating. *Biological Psychology*, 139, 124-130.

Swallow, K. M., Kemp<sup>+</sup>, J. T., & Candan Simsek<sup>+</sup>, A. (2018). The role of perspective in event segmentation. *Cognition*, 177, 249-262.

Swallow, K.M., Jiang, Y. V., & Tan, D. (2017). How memory is tested influences what is measured: Reply to Wyble and Chen (2017). *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 43, 1001-1003.

- Jiang, Y. V., Shupe, J., Swallow, K.M., & Tan, D. (2016). Memory for recently accessed attribute. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 42, 1331-1337.
- Jiang, Y.V., Swallow, K.M., Won, B.Y., Cistera, J.D., & Rosenbaum, G.M. (2015). Task specificity of attention training: the case of probability cuing. *Attention, Perception & Psychophysics*, 57, 50-66.
- Jiang, Y.V., & Swallow, K.M. (2014). Temporal yoking in continuous multitasking. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 2348-2360.
- Jiang, Y.V., & Swallow, K.M. (2014). Changing viewer perspectives reveals constraints to implicit visual statistical learning. *Journal of Vision*, 14(12):3.
- Jiang, Y.V., Won, B.Y., Swallow, K.M., & Mussack, D.M. (2014). Spatial reference frame of attention in a large outdoor environment. *Journal of Experimental Psychology: Human Perception & Performance*, 40, 1346-1357.
- Swallow, K. M., & Jiang, Y. V. (2014). The attentional boost effect really is a boost: Evidence from a new baseline. *Attention, Perception & Psychophysics*, 76, 1298-1307.
- Swallow, K. M., & Jiang, Y. V. (2014). Perceptual load and attentional boost: A study of their interaction. *Journal of Experimental Psychology: Human Perception and Performance*, 40, 1034-1045.
- Jiang, Y.V., Won, B.Y., & Swallow, K.M. (2014). First saccadic eye movement reveals persistent attentional guidance by implicit learning. *Journal of Experimental Psychology: Human Perception & Performance*, 40, 1161-1173.
- Jiang, Y. V., Swallow, K. M., & Sun, L. (2014). Egocentric coding of space for incidentally learned attention: Effects of scene context and task instructions. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 40(1), 233-250.
- Jiang, Y. V. & Swallow, K. M. (2013). Body and head tilt reveals multiple frames of reference for spatial attention. *Journal of Vision*, 13(13):9.
- Jiang, Y. V., Swallow, K. M., & Capistrano, C. (2013). Visual search and location probability learning from variable perspectives. *Journal of Vision*, 13(6):13.
- Swallow, K. M., & Jiang, Y. V. (2013). Attentional load and attentional boost: A review of data and theory. *Frontiers in Psychology*, 4(274), doi:10.3389/fpsyg.2013.00274.
- Jiang, Y. V., Capistrano, C. G., Esler, A. N., & Swallow, K. M. (2013). Directing attention based on incidental learning in children with autism spectrum disorder. *Neuropsychology*, 27(2), 161-169.
- Jiang, Y. V., Sigstad, H. M., & Swallow, K. M. (2013). The time course of attentional deployment in contextual cueing. *Psychonomic Bulletin & Review*, 20(2), 282-288.
- Makovski, T., Jiang, Y. V., & Swallow, K. M. (2013). How do the observer's responses affect visual long-term memory? *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39(4), 1097-1105.
- Jiang, Y. V., & Swallow, K. M. (2013). The spatial reference frame of incidentally learned attention. *Cognition*, 126, 378-390.
- Jiang\*, Y. V., Swallow\*, K. M., Rosenbaum, G. M. (2013). Guidance of spatial attention by incidental learning and endogenous cuing. *Journal of Experimental Psychology: Human Perception & Performance*, 39, 285-297. \*Correspondence authors

- Jiang\*, Y. V., Swallow\*, K. M., Rosenbaum, G. M. & Herzig, C. (2013). Rapid acquisition but slow extinction of an attentional bias in space. *Journal of Experimental Psychology: Human Perception & Performance*, 39, 87-99. \*Correspondence authors
- Swallow, K. M., Makovski, T., & Jiang, Y. V. (2012). The selection of events in time enhances activity throughout early visual cortex. *Journal of Neurophysiology*, 108 (12), 3239-3252.
- Swallow, K. M., & Jiang, Y. V. (2012). Goal-relevant events need not be rare to boost memory for concurrent images. *Attention, Perception, & Psychophysics*, 74, 70-82.
- Swallow, K. M., & Jiang, Y. V. (2011). The role of timing in the attentional boost effect. *Attention, Perception, & Psychophysics*, 73(2), 389-404.
- Swallow, K. M., Barch, D. M., Head, D., Maley, C. M., Holder, D., & Zacks, J. M. (2011). Changes in events alter how people remember recent information. *Journal of Cognitive Neuroscience*, 23 (5), 1052-1064.
- Makovski\*, T., Swallow\*, K. M., & Jiang, Y. V. (2011). Attending to unrelated targets boosts short-term memory for color arrays. *Neuropsychologia*, 49, 1498-1505. \*Correspondence authors
- Zacks, J. M., Speer, N. K., Swallow, K. M., & Maley, C. J. (2010). The brain's cutting-room floor: segmentation of narrative cinema. *Frontiers in Human Neuroscience*, 4 (168). doi:10.3389/fnhum.2010.00168
- Swallow, K. M. & Jiang, Y. V. (2010). The Attentional Boost Effect: Transient increases in attention to one task enhance performance in a second task. *Cognition*, 115 (1), 115-132.
- Makovski, T., Swallow, K. M., & Jiang, Y. V. (2010). The visual attractor illusion. *Journal of Vision*, 10 (1), 1-16.
- Hayes, M. T., Swallow\*, K. M., & Jiang, Y. V. (2010). The unilateral field advantage in repetition detection: Effects of perceptual grouping and task demands. *Attention, Perception, and Psychophysics*, 72 (3), 583-590. \*Correspondence author
- Swallow, K. M., Zacks, J. M., Abrams, R. A., (2009). Event boundaries in perception affect memory encoding and updating. *Journal of Experimental Psychology: General*, 138(2), 236-257.
- Speer, N. K., Reynolds, J. R., Swallow, K. M., & Zacks, J. M., (2009). Reading stories activates neural representations of perceptual and motor experiences. *Psychological Science*, 20(8), 989-999.
- Swallow, K. M., & Zacks, J. M. (2008). Sequences learned without awareness can orient attention during the perception of human activity. *Psychonomic Bulletin and Review*, 15(1), 116-122.
- Zacks, J. M., & Swallow, K. M. (2007). Event segmentation. *Current Directions in Psychological Science*, 16 (2), 80-84.
- Zacks, J.M., Speer, N. K., Swallow, K. M., Braver, T. S., & Reynolds, J. R. (2007). Event perception: A mind/brain perspective. *Psychological Bulletin*, 133(2), 273-293.
- Zacks, J. M., Swallow, K. M., Vettel, J. M., & McAvoy, M. P., (2006). Visual motion and the neural correlates of event perception. *Brain Research*, 1076, 150-162.
- Speer, N. K., Swallow, K. M., & Zacks, J. M., (2003). Activation of human motion processing areas during event perception, *Cognitive, Affective, and Behavioral Neuroscience*, 3(4), 335-345.
- Swallow, K. M., Braver, T. S., Snyder, A. Z., Speer, N. K., & Zacks, J. M., (2003). Reliability of functional localization using fMRI, *NeuroImage*, 20, 1561-1577.

### Submitted Manuscripts

Broitman<sup>+</sup>, A. W., & Swallow, K. M. (submitted). The effects of encoding instruction and opportunity on the recollection of behaviorally relevant events.

Swallow, K. M., & Wang, Q. (submitted). Culture influences how people divide continuous sensory experience into events. *PsyArXiv* [Preprint] May 26, 2019 [cited 2019 May 27]. Available from <https://doi.org/10.31234/osf.io/2zcu7>

Turker<sup>+</sup>, H. B., Riley<sup>+</sup>, E., Luh, W.-M., Colcombe, S. J., & Swallow, K. M. (submitted). Estimates of locus coeruleus function with functional magnetic resonance imaging are influenced by localization approaches and the use of multi-echo data. *BioRxiv*, 731620. <https://doi.org/10.1101/731620>

### Manuscripts in Preparation

Moyal<sup>+</sup>, R. Turker<sup>+</sup>, H. B., Luh, W., & Swallow, K. M. (in preparation). Behaviorally relevant tones sharpen visual representations and amplify visuo-hippocampal functional connectivity.

Tobe, R., Swallow, K. M., Yang, Z., Mackay-Brandt, A., Colcombe, S. (in preparation). Functional connectivity of the locus coeruleus in children with autism and attention deficit hyperactivity disorder.

Li<sup>+</sup>, X., Chiu<sup>+</sup>, M., Swallow, K. M., De Rosa, E., & Anderson, A. K. (in preparation). Increasing trust with heart and mind.

Swallow, K. M., & Su<sup>+</sup>, X. (in preparation). The detection of goal changes and action changes when viewing others' activities from first- and third-persons perspectives.

Swallow, K. M., Li<sup>+</sup>, B. & Venkatesh<sup>+</sup>, S. (in preparation). Temporal predictability and temporal selection only help the encoding of less memorable items.

### **Conference Presentations**

Swallow, K. M. & Wang, Q. (November 2019). Event perception differs across cultures. *Talk to be presented at Annual Meeting of the Psychonomic Society, Montreal, Quebec.*

Swallow, K. M. & Wang, Q. (July 2019). Event perception differs across cultures. *Poster presented at the Annual Meeting of the Cognitive Science Society, Montreal, Quebec.*

Swallow, K. M. (May 2019). Events are defined by perceivers and by the features of an experience. *Talk presented at the Context & Episodic Memory Symposium, Philadelphia, PA.*

Broitman, A. W., Turker, H.B., & Swallow, K. M. (May 2019). Divergent Effects of Attention on Subsequent Memory for Context. *Poster presented at the Context & Episodic Memory Symposium, Philadelphia, PA.*

Broitman, A. W. & Swallow, K. M. (November 2018). Context memory for behaviorally relevant events. *Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.*

- Turker, H. B. & Swallow, K. M. (November 2018). Increasing attention to behaviorally relevant items facilitates incidental relational memory. *Poster presented at the Annual Object Perception, Attention, and Memory Conference, New Orleans, LA.*
- Swallow, K. M., Li, B., & Moyal, R. (November 2018). Does temporal predictability affect attention and memory? *Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.*
- Moyal, R., Turker, H. B., Phelps, A., Luh, W.-M., & Swallow, K. M. (November 2018). Behaviorally relevant events modulate hippocampal representations and functional connectivity. *Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Broitman, A. W. & Swallow, K. M. (May 2018). Recollection and Familiarity for Behaviorally Relevant Events. *Poster presented at the 2018 Context and Episodic Memory Symposium, Philadelphia, PA.*
- Swallow, K. M. (April, 2018). Memory for Spatiotemporal Context is Enhanced by Temporal Attention. *Talk presented at the 2018 Learning and Memory Conference, Huntington Beach, CA.*
- Turker, H. B., Phelps, A., Moyal, R., & Swallow, K. M. (August 2017). Auditory Targets Boost Contextual Memory and Increase Repetition Suppression in the Hippocampus. *Poster presented at the International Conference for Cognitive Neuroscience, Amsterdam, Netherlands.*
- Turker, H. B., & Swallow, K. M. (May 2017). Relational Memory is Enhanced in the Attentional Boost Effect. *Poster presented at the Vision Sciences Society meeting, St. Pete Beach, FL.*
- Li, B., & Swallow, K. M. (May 2017). Cross-Modal Entrainment in Visual Working Memory and Eye Movements. *Poster presented at the Vision Sciences Society meeting, St. Pete Beach, FL.*
- Swallow, K. M., Kemp, J. T., & Candan Simsek, A. (November 2016). The effect of viewpoint in event segmentation. *Talk presented at the Annual Meeting of the Psychonomic Society, Boston, MA.*
- Swallow, K. M., Turker, H. B., Moyal, R., & Li, B. (November 2016). Attending to auditory targets enhances visual perceptual processing in ventral visual cortex. *Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Swallow, K. M., Kemp, J. T., & Candan Simsek, A. (August 2016). The role of viewpoint in event segmentation. *Poster presented at the Annual Meeting of the Cognitive Science Society, Philadelphia, PA.*
- Swallow, K. M., Candan, A., & Kemp, J. (June 2016). Is event segmentation viewpoint invariant? *Talk presented at the Annual Meeting of the Society for Cognitive Studies of the Moving Image, Ithaca, NY.*
- Atir, S., & Swallow, K. M. (May 2016). Exploring the role of value in the attentional boost effect. *Talk presented by S. A. at the Annual Meeting of the Midwestern Psychological Association, Chicago, IL.*
- Swallow, K. M. (May, 2015). Gains and losses in continuous dual-task performance: The role of task engagement. *Poster presented at the Vision Sciences Society meeting, St. Pete Beach, FL.*
- Jiang, Y. V., & Swallow, K. M. (May, 2015). Temporal yoking in continuous multi-tasking. *Poster presented at the Vision Sciences Society meeting, St. Pete Beach, FL.*
- Swallow, K. M., & Atir, S. (November, 2014). If target detection boosts memory for context, then what about reward? *Poster presented at the 55th Annual Meeting of Psychonomic Society, Long Beach, CA.*
- Swallow, K. M., & Jiang, Y. V. (May, 2014). The attentional boost effect really is a boost. *Poster presented at the Vision Sciences Society meeting, Naples, FL.*

- Makovski, T. M., Jiang, Y. V., & Swallow, K. M. (November, 2013). How do observer's responses affect visual long-term memory? *Poster presented at the 54th Annual Meeting of Psychonomic Society, Toronto, ON.*
- Jiang, Y. V., Swallow, K. M., & Capistrano, C. G. (May, 2013). Searching for riches in a changing world. *Talk presented at the Vision Sciences Society meeting, Naples, FL.*
- Swallow, K. M., & Jiang, Y. V. (May, 2013). Attentional boost and attentional load: A study of their interaction. *Poster presented at the Vision Sciences Society meeting, Naples, FL.*
- Swallow, K. M., & Jiang, Y. V. (November, 2012). Target detection, but not reward, enhances memory for concurrently presented images. *Poster presented at the 53<sup>rd</sup> Annual Meeting of Psychonomic Society, Minneapolis, MN.*
- Jiang, Y. V., & Swallow, K. M. (November, 2012). Spatial reference frame for implicitly learned attention. *Talk presented at the 53<sup>rd</sup> Annual Meeting of Psychonomic Society, Minneapolis, MN.*
- Jiang, Y. V., Swallow, K. M., & Rosenbaum, G. (May, 2012) Rapid acquisition but slow extinction of an attentional bias in space. *Poster presented at the Vision Sciences Society meeting, Naples, FL.*
- Swallow, K. M., Makovski, T., & Jiang, Y. V. (November, 2011). Goal-relevant auditory events enhance activity in primary visual cortex. *Poster presented at the 41<sup>st</sup> Annual Meeting of the Society for Neuroscience, Washington, D.C.*
- Swallow, K. M., Makovski, T., & Jiang, Y. V. (May, 2011). Detecting Goal-Relevant Events Boosts Activity in Primary Visual Cortex. *Poster presented at the 11<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Swallow, K. M., Makovski, T., & Jiang, Y. V. (November, 2010). Tracking the Attentional Boost Effect in High Level Visual areas. *Poster presented at the 51<sup>st</sup> Annual Meeting of Psychonomic Society, St. Louis, MO.*
- Swallow, K. M. & Jiang, Y. V. (May, 2010). The Attentional Boost Effect and Temporal Synchrony. *Talk presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Jiang, Y. V., & Swallow, K. M. (May, 2010). An Overview of the Attentional Boost Effect. *Poster presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Makovski, T., Swallow, K. M., & Jiang, Y. V. (May, 2010). The Visual Attractor Illusion. *Poster presented at the 10<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Swallow, K. M., & Jiang, Y. V. (November, 2009). The Attentional Boost Effect Depends on Temporal Synchrony. *Poster presented at the 50<sup>th</sup> Annual Meeting of Psychonomic Society, Boston, MA.*
- Makovski, T., Swallow, K. M., & Jiang, Y. V. (November, 2009). The Visual Attractor Illusion. *Poster presented at the 50<sup>th</sup> Annual Meeting of Psychonomic Society, Boston, MA.*
- Makovski, T., Swallow, K. M., & Jiang, Y. V. (November, 2009). The Role of Attention in the Visual Attractor Illusion. *Poster presented at the 17<sup>th</sup> Object, Perception, Attention, and Memory meeting, Boston, MA.*
- Swallow, K. M., Makovski, T. & Jiang, Y. V. (May, 2009). The Attentional Boost Effect. *Poster presented at the 9<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Zacks, J. M., Swallow, K. M., Barch, D. M., Head, D., Maley, C. J., & Holder, D. (March, 2009). Retrieving information from a new event selectively activates the medial temporal lobes. *Poster presented at the 2009 Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

- Swallow, K. M., & Jiang, Y. V. (November, 2008). Detecting Targets in a Stream of Distractors Boosts Memory for Non-Fixated Scenes. *Poster presented at the 49<sup>th</sup> Annual Meeting of Psychonomic Society, Chicago, IL*
- Swallow, K. M., & Jiang, Y. V. (November, 2008). The Attentional Boost Effect in Scene Perception. *Poster presented at the 16<sup>th</sup> Object, Perception, Attention, and Memory meeting, Chicago, IL*
- Swallow, K. M., & Jiang, Y. V. (May, 2008). The Effect of Target Detection on Visual Long-Term Memory for Background Information. *Poster presented at the 8<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL*
- Hayes, M. T., Swallow, K. M., & Jiang, Y. V. (May, 2008). Competitive Interaction for Visual Representation Between and Within Hemifields. *Poster presented at the 8<sup>th</sup> Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Swallow, K. M., Zacks, J. M., & Abrams, R. A. (November, 2007). Read by JMZ. Perceptual Events May Be the “Episodes” in Episodic Memory. *Talk presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.*
- Magliano, J. P., Zacks, J. M., Swallow, K. M., & Speer, N. K. (November 2007). Continuity Editing in Narrative Film and the Perception of Event Boundaries. *Talk presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.*
- Swallow, K. M., Speer, N. K., Maley, C. M., Barch, D. M., & Zacks, J. M. (November, 2007). Remembering Across Events, Rather than Within Events, Increases Activity in the Medial Temporal Lobes. *Talk presented at the 37<sup>th</sup> Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Swallow, K. M., & Zacks, J. M. (November, 2006). Hierarchical segmentation of events revealed by eye movements. *Poster presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.*
- Zacks, J. M., Swallow, K. M., Speer, N. K., & Maley, C. M. (November, 2006). The human brain’s response to changes in cinema. *Talk presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.*
- Zacks, J. M., Swallow, K. M., Speer, N. K., & Maley, C. J. (October, 2006). Processing situation changes and perceiving events in movies. *Poster presented by KMS at the Washington University Neuroscience Retreat, Potosi, MO.*
- Swallow, K. M., & Zacks, J. M. (May, 2006). Human movement sequences guide perception. *Talk presented at the 78<sup>th</sup> Annual Meeting of the Midwestern Psychological, Chicago, IL.*
- Swallow, K. M., & Zacks, J. M. (April, 2006). How dividing activities into parts changes what they eyes do when watching movies. *Poster presented at the Washington University Graduate Student Research Symposium, St. Louis, MO.*
- Swallow, K. M., & Zacks, J. M. (November, 2004). Read by JMZ. Learning the temporal structure of human activity. *Talk presented at the 45<sup>th</sup> Annual Meeting of the Psychonomic Society, Minneapolis, MN.*
- Swallow, K. M., & Zacks, J. M. (August, 2004). Implicitly learned sequences structure the perception of human activity. *Poster presented at the Annual Meeting of the Cognitive Science Society, Chicago, IL.*
- Swallow, K. M., & Zacks, J. M. (May, 2004). The perception of invariant movement sequences. *Talk presented at the Annual Show Me Mental State Conference on Cognition, St. Louis, MO.*

- Zacks, J. M., Swallow, K. M., Vettel, J. M., & McAvoy, M. P. (April, 2004). The role of movement in the neural processing of simple events. *Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Swallow, K. M., Braver, T. S., Snyder, A. Z., Speer, N. K., & Zacks, J. M. (April, 2003). Reliability of functional localization using fMRI. *Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.*
- Speer, N. K., Swallow, K. M., & Zacks, J. M. (April, 2003). The role of motion processing and eye movements in event perception. *Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.*
- Swallow, K. M., Braver, T. S., Snyder, A. Z., Speer, N. K., & Zacks, J. M. (October, 2002). Reliability of functional localization. *Poster presented at the Washington University Neuroscience Retreat, Potosi, MO*
- Friedrich, F. J., Swallow, K. M., & Fargo, J. D. (November, 2000). Reducing costs of switching between well-learned response sets. *Poster presented at the Annual Meeting of the Psychonomic Society, New Orleans, LA.*
- Fargo, J. D., Friedrich, F. J., & Swallow, K. M. (April, 2000). The role of the anterior attention network in switching between well-learned response sets. *Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

### **Colloquia, Brown Bags, Invited Talks, and Workshops (since 2007)**

- Semantic Analysis of Multi-Scale Health Dynamics, 2<sup>nd</sup> International Interdisciplinary Workshop, attendee, Collegium Helveticum, Switzerland, March, 2019.
- Memory for Context is Enhanced by Temporal Attention*, Cognitive Neuroscience Seminar, Columbia University, March, 2019.
- Events Shape Attention and Memory Over Time: The Effect of Culture on Event Perception*, Experience and Cognition Lab (Casasanto, PI), Department of Human Development, Cornell University, October, 2018.
- Events Shape Attention and Memory Over Time*, Semantic Analysis of Multi-Scale Health Dynamics, Collegium Helveticum, Switzerland, March, 2018.
- How Goal-Relevant Events Shape Attention and Memory Over Time*, Nathan Kline Institute, New York, April, 2017
- How Goal-Relevant Events Shape Attention and Memory Over Time*, Integrative Neuroscience Program Workshop, The State University of New York at Binghamton, New York, December, 2016
- How Goal-Relevant Events Shape Attention and Memory Over Time*, Centre for Neuroscience, Indian Institute of Science, Bangalore, India, November, 2015
- How Events Shape Attention Over Time*, Cognitive Science @ Cornell's Anniversary Symposium Celebrating 25 Years of Using Our Brains, Cornell University, Ithaca, New York, October, 2013.
- Attention in Time*, Perception Brown Bag, University of Minnesota, Minneapolis, MN, February, 2013.

*The Attentional Boost Effect: Goal-Relevant Events Enhance Perception and Memory*, Center for Cognitive Sciences, University of Minnesota, Minneapolis, MN, March, 2011.

*What Gets Boosted in the Attentional Boost Effect*, Perception Brown Bag, University of Minnesota, Minneapolis, MN, November, 2009.

*The Role of Attention in the Attentional Boost Effect*, Perception Brown Bag, University of Minnesota, Minneapolis, MN, February, 2009.

*Perceptual Event Boundaries and Memory for Objects in Film*, MRI Users Group, University of Minnesota, Minneapolis, MN, April, 2008.

*The Effect of Target Detection on Subsequent Memory for Background Scenes*, Perception Brown Bag, University of Minnesota, Minneapolis, MN, March, 2008.

*Event Structure in Perception, Memory, and Attention*, Attention, Memory, and Cognition Lab (Jiang, PI), Harvard University, Cambridge, MA, March, 2007.

## Teaching Support

Engaged Cornell Development Grant, 2017.

*Communicating Psychological and Brain Science to the Public.*

Goldstein, M. H., Swallow, K. M., Lewenstein, B., & Sciencenter staff.

Funding amount: \$79,990

Engaged Cornell Planning Grant, 2016.

*Communicating Psychological and Brain Science to the Public.*

Goldstein, M. H., Swallow, K. M., Lewenstein, B., Trautmann, C., DiBartolomeo, D., & Sciencenter staff.

Funding amount: \$10,000

## Teaching Experience

*Psychology at the Sciencenter!* Co-Instructor, Cornell University, Spring 2017, 2018, Fall 2019

*Introduction to Cognitive Science* Instructor, Cornell University, Spring, 2014-2017, 2019

*The Psychology of Attention* Instructor, Cornell University, Fall 2013, 2014, 2016, 2018

*Graduate Prosem in Cognition, Brain, & Behavior*

Guest Lecturer, University of Minnesota, 2010, 2012

*Introductory Psychological Statistics* Instructor, Washington University, University College, 2006

*Functional Neuroimaging Methods* Teaching Assistant, Washington University, 2004

*Experimental Psychology* Teaching Assistant, Washington University, 2003

*Introduction to Psychology* Teaching Assistant, Washington University, 2003

*Introductory Psychological Statistics*      Teaching Assistant, Washington University, 2002

## Advising

### Postdoctoral Associates

Elizabeth Riley (2018)

Received initial MRI analysis training in my lab. I am on the advisory committee for her NRSA with Adam Anderson as sponsor (*Canary in a coal mine: locus coeruleus, norepinephrine signaling and dementia*)

### Ph. D. Students - Chair

Bohan (Gandalf) Li (2014-present; on leave)

Hamid Turker (2015-present)

Adam Broitman (2017-present)

Karen Sasmita (2018-present)

### Ph. D. Students - Committee

Stav Atir (2013-2018; breadth member)

Julia Ying (2013-present; on leave)

Erin Isbilen (2014-present)

Norma Hernandez (2015-2018; breadth member)

Roy Moyal (2015-present)

Xi Shen (2015-present; breadth member)

Gourab Kar (2016-2018)

Sebastian Deri (2016-present; breadth member)

Felicity Frinsl (2018-present)

### Undergraduate Honors Students

Nicolas Ramos (2014)

Jovan Kemp (2017)

Alyssa Phelps (2017)

Xing Su (2019)

## Professional Activities and Affiliations

### Editorships

Consulting Editor, *Cognitive Research: Principles and Implications* (2017-present)

Co-Organizer of *Cognitive Research: Principles and Implications* Special Issue. Attention in natural and mediated realities. Co-organizers: Jeffrey Zacks, Khena Swallow & Daniel Levin, 2018-2019

### **Ad-Hoc Reviewing**

*Attention, Perception, & Psychophysics; Cambridge University Press; Cerebral Cortex; Cognition; Cognitive Processes; Cognitive Science; Cortex; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception & Performance; Journal of Experimental Psychology: Learning Memory & Cognition; Memory; Memory & Cognition; Neurobiology of Learning and Memory; Psychological Bulletin; Psychological Science; Psychonomic Bulletin & Review; Sinauer & Associates; Visual Cognition; Binational U.S.-Israeli Science Foundation; Cognitive Science Conference Submission; Wellcome Trust*

### **Memberships in Professional Organizations (past and current)**

Psychonomic Society, Fellow  
Vision Sciences Society, Regular Member  
Society for Neuroscience  
Association for Psychological Science  
Cognitive Neuroscience Society  
Cognitive Science Society  
Organization for Human Brain Mapping  
Society for Cognitive Studies of the Moving Image

### **University and Departmental Service**

MRI Users Advisory Committee (Cornell University), 2019-present  
Psychology Department Colloquium Committee (Cornell University), 2018-present  
Psychology Department Graduate Executive Committee (Cornell University), 2015, 2016-2018  
Co-Director of Psychology Undergraduate Honors Program (Cornell University), 2013-2017  
Institute for Social Sciences Small Grant Review Committee (Cornell University), 2018  
Postdoctoral Representative, Center for Cognitive Science (University of Minnesota), 2010  
Psychology Graduate Student Association (Washington University, St. Louis), Interim Chair and Committee, 2003-2005  
Graduate Student Brown Bag Founder and Coordinator (Washington University, St. Louis), 2004-2005  
Peer Mentor (Washington University, St. Louis), 2003-2005