

**Katharine A. Tillman** – *curriculum vitae*

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 University of California, San Diego  
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**Research interests**

Cognitive development; concepts; time; language; word learning; perception; object recognition; reading

**Education**

- 2012 - 2017 PhD, Psychology, University of California, San Diego  
 Thesis: *Constructing the concept of time: Roles of perception, language, and culture*  
 Committee: David Barner (Chair), Lera Boroditsky, Gail Heyman, Benjamin Bergen, Victor Ferreira
- 2011 - 2012 MA, Psychology, University of California, San Diego
- 2004 - 2009 BA, Psychology, *summa cum laude*, New York University

**Publications**

- Tillman, K. A.**, Tulagan, N., Fukuda, E., & Barner, D. (*in revision*). Constructing the mental timeline: Flexibility and conventionality in children's linear representations of time. *Developmental Science*.
- Tillman, K. A.**, Marghetis, T., Barner, D., & Srinivasan, M. (2017). Today is tomorrow's yesterday: Children's acquisition of deictic time words. *Cognitive Psychology*, 92, 87-100.
- Wagner, K., **Tillman, K. A.**, & Barner, D. (2016). Inferring number, time, and color concepts from core knowledge and linguistic structure. *Core Knowledge and Conceptual Change*. Oxford University Press.
- Tillman, K. A.** & Barner, D. (2015). Learning the language of time: Children's acquisition of duration words. *Cognitive Psychology*, 78, 57-77.
- Pelli, D. G., & **Tillman, K. A.** (2008) The uncrowded window of object recognition. *Nature Neuroscience*, 11(10):1129 – 1135.
- Pelli, D. G., **Tillman, K. A.**, Freeman, J., Su, M., Berger, T. D., & Majaj, N. J. (2007) Crowding and eccentricity determine reading rate. *Journal of Vision*, 7(2):20, 1-36.
- Pelli, D. G., & **Tillman, K. A.** (2007) Parts, wholes, and context in reading: A triple dissociation. *PLoS ONE* 2(8): e680.

**Refereed conference proceedings**

- Tillman, K. A.**, Fukuda, E., & Barner, D. (2017). Picturing time: Children's preferences for visual

representations of events. *Proceedings of the 39th Annual Conference of the Cognitive Science Society.*

**Tillman, K. A.**, Marghetis, T., Barner, D., & Srinivasan, M. (2016). Deconstructing tomorrow: How children learn the semantics of time. *Proceedings of the 38th Annual Conference of the Cognitive Science Society.*

**Tillman, K. A.**, Tulagan, N., & Barner, D. (2015). Building the mental timeline: Spatial representations of time in preschoolers. *Proceedings of the 37th Annual Conference of the Cognitive Science Society.*

**Tillman, K. A.**, & Barner, D (2013). Learning the language of time: Children's acquisition of duration words. *Proceedings of the 35th Annual Conference of the Cognitive Science Society.*

### **Manuscripts in preparation**

**Tillman, K. A.**, Sullivan, J., Tulagan, N., & Barner, D. (in prep). Children's inferences about time and causality in discourse.

**Tillman, K. A.**, Fukuda, E., & Barner, D. (in prep). Children's preferences for visual representations of events.

Marghetis, T., **Tillman, K. A.**, & Srinivasan, M. (in prep). Learning to put time in its place: The development of metaphorical gestures for time.

### **Symposia organized** (\* symposium co-organizers)

**Tillman, K. A.**, Zhang, M., Monier, F., Redshaw, J., & McCormack, T. (2017). Time in the mind of a child: Perspectives on the development of temporal cognition. Symposium to be presented at the 39<sup>th</sup> annual meeting of the Cognitive Science Society. London, UK.

**Tillman, K. A.\***, Wagner, K.\* , Imai, M., Malt, B., Widen, S., & Shatz, M. (2016). Beyond the language explosion: What extended word learning tells us about conceptual development. Symposium organized for the 38<sup>th</sup> annual meeting of the Cognitive Science Society. Philadelphia, PA.

**Tillman, K. A\* .**, Walker, E.\* , Marghetis, T.\* , Bender, A., Beller, S., Bergen, B., Nunez, R., Santiago, J., & Casasanto, D. (2014). Origins of time: Insights into the psychological foundations of time. Symposium organized for 36<sup>th</sup> annual meeting of the Cognitive Science Society. Quebec City, Canada.

### **Fellowships and awards**

2017 UCSD Frontiers of Innovation Scholars Program graduate fellowship (\$25,000)  
PI: Caren Walker, Psychology; Co-PI: Jonathan Cohen, Philosophy

2016 Society for Philosophy and Psychology Graduate Student Travel Award

2016 UCSD Interdisciplinary Research Award - Finalist

2016 UCSD Summer Graduate Teaching Fellow (\$1700)

2012-16	Norman Anderson Travel Award (6-time recipient)
2014	Paula Menyuk Student Travel Award for BUCLD 39
2014	Society for Language Development Student Award
2013-16	Dean of Social Sciences Travel Award (3-time recipient)
2012	NSF Graduate Research Fellowship Program – Honorable Mention
2009	NYU Founder’s Day Scholar
2007	NYU Dean’s Award for Excellence in Psychology

**Refereed conference talks** (\*undergraduate mentee)

- Tillman, K. A.,** Fukuda, E. \*, & Barner, D. (2017). Picturing time: Children’s preferences for visual representations of events. Talk to be presented at the 39<sup>th</sup> annual meeting of the Cognitive Science Society. London, UK.
- Tillman, K. A.** Tulagan, N. \*, Fukuda, E. \*, & Barner.. D. (2017) The development of the mental timeline. Talk to be presented at the 39<sup>th</sup> annual meeting of the Cognitive Science Society. London, UK.
- Tillman, K. A.,** Fukuda, E. \*, & Barner, D. (2017). Children’s preferences for visual representations of events. Talk at the 43<sup>rd</sup> annual meeting of the Society for Philosophy and Psychology. Baltimore, MD.
- Tillman, K. A.,** Wagner, K., & Barner, D. (2017). Training number words as proper nouns. Talk at the Society for Research in Child Development Biennial Meeting. Austin, TX.
- Tillman, K. A.** & Barner, D (2016). Conceptual structure and the semantics of time words. Talk at the 38<sup>th</sup> Annual Meeting of the Cognitive Science Society. Philadelphia, PA.
- Tillman, K. A.,** Marghetis, T., Barner, D., and Srinivasan, M. (2016). Deconstructing tomorrow: How children learn the semantics of time. Talk at the 38<sup>th</sup> annual meeting of the Cognitive Science Society. Philadelphia, PA.
- Tillman, K. A.** (2016). Children’s acquisition of time words and the structure of temporal concepts. Talk at the 42<sup>nd</sup> annual meeting of the Society for Philosophy and Psychology. Austin, TX.
- Tillman, K. A.** (2016). What time word learning tells us about conceptual development. Talk at the Society for Cognitive and Language Development annual meeting. Los Angeles, CA.
- Tillman, K. A.,** & Barner, D (2013). Learning the language of time: Children’s acquisition of duration words. Talk at the 35<sup>th</sup> Annual Conference of the Cognitive Science Society. Berlin, Germany.

- Tillman, K. A.**, Dubois, M., Schnebelen, W. \*, & Pelli, D. G. (2011). Binding of text and speech by children. Talk at the Vision Sciences Society Annual Meeting. Naples, Florida.
- Pelli D. G., & Tillman K. A. (2008) The uncrowded window and the Bouma law. Talk at the European Conference on Vision Perception. Utrecht, The Netherlands.
- Pelli D. G. & **Tillman K. A.** (2007) Visual crowding distinguishes features, parts, and objects. Talk at the European Conference on Visual Perception. Arezzo, Italy.
- Tillman, K. A.**, Pelli, D. G., Freeman, J. \*, Su, M., Berger, T., & Majaj, N (2007). Reading is crowded. Talk at the Vision Sciences Society annual meeting, Sarasota, Florida.
- Tillman K. A.**, & Pelli D. G. (2006). LWS: Three processes in reading. Talk at the European Conference on Visual Perception. St. Petersburg, Russia.
- Pelli, D. G., & **Tillman, K. A.** (2006). Crowding limits reading. Talk at the Vision Sciences Society annual meeting. Sarasota, Florida.

#### **Refereed conference posters** (\*undergraduate mentee)

- Fukuda, E. \*, **Tillman, K. A.**, Tulagan, N. \*, & Barner, D. (2016). Development of linear representations of time in children. Poster at the Society for Cognitive and Language Development annual meeting. Los Angeles, CA.
- Fukuda, E. \*, **Tillman, K. A.**, Tulagan, N. \*, & Barner, D. (2016). Development of linear representations of time in children. Poster at the Undergraduate Conference for Research in the Arts, Social Sciences and Humanities (CRASSH). San Diego, CA.
- Tillman, K. A.**, Tulagan, N. \*, & Barner, D. (2015). Building the mental timeline: Spatial representations of time in preschoolers. Poster at the 37th Annual Conference of the Cognitive Science Society. Quebec City, QC.
- Tillman, K. A.**, Marghetis, T., Srinivasan, M., & Barner, D. (2015). Placeholder structures in word learning: The case of deictic time. Poster at the Boston University Conference on Language Development. Boston, MA.
- Tillman, K. A.**, Cheung, P., Tulagan, N. \*, & Barner, D. (2015). Do some languages tell time better than others?: Acquisition of time words in English- and Chinese-speaking children. Poster at the Cognitive Development Society annual meeting. Philadelphia, PA.
- Tillman, K. A.**, Marghetis, T, Al Mughairy, S., Barner, D. & Srinivasan, M. (2015). The development of explicit and implicit spatial representations of time. Poster at the Cognitive Development Society annual meeting. Columbus, OH.

- Tillman, K. A.**, Marghetis, T., Barner., D. & Srinivasan, M. (2015). When time becomes a place: Temporal gestures, timelines, and the development of children's spatial understanding of time Poster at the Society for Research in Child Development Biennial Meeting. Philadelphia, PA.
- Tillman, K. A.** & Barner, D. (2014). Preschoolers use lexical contrast to learn duration words. Poster at the 39<sup>th</sup> annual Boston University Conference on Language Development. Boston, MA.
- Marghetis, T., **Tillman, K. A.**, Srinivasan, M., & Barner, D., (2014). Learning to put time in its place: The development of spatial gestures for time. Poster at the International Society for Gesture Studies annual meeting. San Diego, CA.
- Malik-Moraleda, S. \*, **Tillman, K. A.**, & Barner, D. (2013) Time word acquisition in children. 3rd Berkeley Interdisciplinary Research Conference. Berkeley, CA.
- Malik-Moraleda, S. \*, **Tillman, K. A.**, & Barner, D. (2013) The acquisition of time words in children. 23rd UCLA Psychology Undergraduate Research Conference. Los Angeles, CA.
- Tillman, K. A.**, & Pelli, D. G. (2009). Reading pictures. Poster at the Vision Sciences Society annual Meeting. Naples, Florida.
- Chakravarthi R., **Tillman K. A.**, & Pelli D. G. (2009). Features used or features available? Vision Sciences Society annual meeting, Sarasota. FL.
- Tillman, K. A.**, Araki, M\*., & Pelli, D. G. (2008). Crowding shows that faces have parts and bodies do not. Poster at the European Conference on Vision Perception, Utrecht, The Netherlands.
- Cantone, A. R. \*, **Tillman, K. A.**, & Pelli, D. G. (2008). Eccentric features integrate slowly. Poster at the Vision Sciences Society annual meeting. Sarasota, FL.
- Tillman, K. A.**, Pelli, D. G., Martelli, M., Stott, J. \*, & Rosenblatt, J. \* (2006). Is reading serial? *Journal of Vision*, 6(6):995. Poster presented at the Vision Sciences Society annual meeting, Sarasota, FF.
- Pelli D. G., **Tillman, K. A.** (2005). Spatial and temporal recognition processes in reading. European Conference on Visual Perception. A Coruna, Spain.
- Pelli, D. G., Su, M., Berger, T.D., Majaj, N.J., Martelli, M., Guo, S., & **Tillman, K. A.** (2005). Crowding, shuffling, and capitalizing reveal three processes in reading. Poster at the Vision Sciences Society annual meeting. Sarasota, FL.

### External invited talks

The University of Texas at Austin; February 15, 2017

Stanford University Developmental Brownbag; November 9, 2016

UC Berkeley CogNetwork talk series; October 19, 2016

VSS Satellite Symposium on Crowding; May 9, 2008

### **Teaching**

Instructor of Record, UCSD

Special Topics in Psychology: The Psychology of Time

Teaching Assistant, UCSD

Introduction to Psychology  
 General Psychology: Developmental Foundations  
 General Psychology: Cognitive Foundations  
 Introduction to Developmental Psychology (5 times)  
 Introduction to Social Psychology  
 Psychology of Consciousness  
 Abnormal Psychology  
 Criminology  
 Psychological Disorders of Childhood  
 Parenting (2 times)

### **Undergraduate honors theses advised**

2017 Eren Fukuda, UCSD, “Development of the Mental Timeline in Preschool-aged Children”  
 Norman Anderson Thesis Award for Contributions to Scholarship

### *Ad hoc* reviewing

Child Development, Cognitive Science, Developmental Science, Journal of Vision, Trends in Language Acquisition Research

### **Professional memberships**

Cognitive Development Society, Cognitive Science Society, Society for Language Development, Society for Philosophy and Psychology, Society for Research in Child Development, Vision Sciences Society

### **Selected media coverage**

For Tillman & Barner, 2015:  
 New York Magazine; Yahoo! Parenting; British Psychological Society

For Pelli & Tillman, 2008:  
 Yahoo!; Florida Statesman; Detroit Star; Washington Square News; NYU Today

For Pelli & Tillman, 2007:  
 WNYC Morning Edition; Scientific American; BoingBoing; British Psychological Society; NYU Today

### **Fiction & non-academic essays**

“Locomotion.” Storychord, Issue 9. July 2010.

“Ways to Show Affection.” The Sun, Issue 365. May 2006.

“One-sentence Love Story.” The Little Book of Water, Roads, Violence, Fireflies, Cigarettes, Heartbreak, Distance, Death, Devastation and L’Amour. Ed. Leigh Stein. Summer 2005.

“Dirt”. Slash Magazine, Issue 2. 2005.

“Cross-pollination” (with Leigh Stein). Hothouse, Issue 2. Ed. Roxanne M. Carter. Persephassa Press. 2005.

“Land of Enchantment.” InTheFray. November 2005. (Voted Best of ‘Imagine’ 2005)

“Password Protection.” Kiss Machine, Issue 11 (the Shame Issue). 2005.

“Intimacy: Photos by Helena Kvarnström” (Gallery introduction). Nerve.com. 2005.

Helena Kvarnström: New Photography (Catalog introduction). For Studio 19 Gallery (Easthampton, MA). Birchlane Press. 2004.

“The Secret Collector.” Hothouse, Issue 1. Ed. Roxanne M. Carter. Persephassa Press. 2004.

“On Girls and Boys.” Sleeps With Monsters, Issue 1. Ed. Leigh Stein. 2003.

Olive Food. Self-published artist’s book / creative writing collection. 2002.

“Vignette.” Birchlane, Vol 1. Ed. Bruce Barone. Birchlane Press. 2001.

### **Photography exhibitions**

2009 Synthetic Zero Art Space, New York City

2007 Synthetic Zero Art Space, New York City

2005 INTIMACY: human people, Campbell Works Gallery, London, UK

2004 19 @ 19, Studio 19 gallery, Easthampton, MA