

**Katharine A. Tillman – curriculum vitae**

Department of Psychology  
 University of California, San Diego  
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<http://www.katharinetillman.com>

**Research interests**

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

**Education**

In progress Ph.D. Candidate, Experimental Psychology, University of California, San Diego  
*Advisor:* David Barner  
*Committee:* Lera Boroditsky; Gail Heyman; Benjamin Bergen; Victor Ferreira  
 2011-2012 MA, Experimental Psychology, University of California, San Diego  
 2004-2009 BA, Psychology, *summa cum laude*, New York University

**Experience**

2011-2017 Language and Development Lab, UC San Diego, PI: David Barner  
 Fall 2015 Language and Cognitive Development Lab, UC Berkeley, PI: Mahesh Srinivasan  
 2004-2010 Denis Pelli Lab, New York University, Depts. of Psychology & Neural Science

**Publications****Total citations: 697**

- Tillman, K. A.**, Tulagan, N.\*, Fukuda, E.\*, & Barner, D. (*under review*). Constructing the mental timeline: Flexibility and conventionality in children's linear representations of time.
- 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.

**Conference proceedings**

- Tillman, K. A.**, Fukuda, E.\*, & Barner, D. (*in press*). 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** (\*undergraduate mentee)

**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 (5-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 to be presented 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 37<sup>th</sup> 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-Moraleta, S.\*, **Tillman, K. A.**, & Barner, D. (2013) Time word acquisition in children. 3rd Berkeley Interdisciplinary Research Conference. Berkeley, CA.
- Malik-Moraleta, 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

### **UCSD teaching**

Instructor of Record:

Special Topics in Psychology: The Psychology of Time

Teaching Assistant:

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)

### **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