

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

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 The University of Texas at Austin  
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**Research interests**

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

**Academic positions**

2018 Assistant Professor, Department of Psychology The University of Texas at Austin

**Education**

2017 PhD, Psychology University of California, San Diego  
 Thesis: *Constructing the concept of time: Roles of perception, language, and culture*

2012 MA, Psychology University of California, San Diego

2009 BA, Psychology, *summa cum laude* New York University

**Papers**

**Tillman, K. A.**, Fukuda, E., & Barner, D. (under review). The development of preferences for conventional linear representations of time.

**Tillman, K. A.** (in press). What time words teach us about the acquisition of the temporal reasoning system. Commentary on: Hoerl & McCormack 2019. *Behavioral and Brain Sciences*.

**Tillman, K. A.**, Tulagan, N., Fukuda, E., & Barner, D. (2018). The mental timeline is gradually constructed in childhood. *Developmental Science*, e12679.

**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.** & Walker, C. M. (under review). Children's causal reasoning about events in the past vs. the future.
- Tillman, K. A.**, Wagner, K., & Barner, D. (2018). Children learn number words slowly because they don't identify number as a domain of linguistic meaning. *Proceedings of the 40th Annual Conference of the Cognitive Science Society*.
- 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.**, Wagner, K., & Barner, D. (in prep). Mr. 3: Learning number words as proper nouns.
- Tillman, K. A.**, Tulagan, N., & Sullivan, J. (in prep). Children's inferences about time and causality in discourse.
- Marghetis, T., **Tillman, K. A.**, & Srinivasan, M. (in prep). Learning to put time in its place: The development of metaphorical gestures for time.
- Tillman, K. A.**, & Walker, C. M. (in prep). Children's recognition of the causal asymmetry between past and future events.

### 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. 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. 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. 36<sup>th</sup> annual meeting of the Cognitive Science Society. Quebec City, Canada.

### Fellowships and awards

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| 2017    | UCSD Frontiers of Innovation Scholars Program graduate fellowship (\$25,000)<br>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. (2018). The development of children’s preferences for linear representations of temporal events. Talk at the Jean Piaget Society annual meeting. Amsterdam, The Netherlands.

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

- Tillman, K. A.**, Wagner, K., & Barner, D. (2018). Children learn number words slowly because they don't identify number as a domain of linguistic meaning. Poster at the Cognitive Science Society annual meeting. Madison, WI.
- Tillman, K. A.** & Walker, C. M. (2017). Children's reasoning about causality and past-future relationships. Poster at the Cognitive Development Society biennial meeting. Portland, OR.
- 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 biennial 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 biennial 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-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.

### Invited talks

- “Time and the Observer” interdisciplinary workshop; La Jolla, CA; May 4, 2018
- UCSD Department of Psychiatry Markou Research Seminar Series; September 11, 2017
- The University of Texas at Austin, Department of Psychology; February 15, 2017
- Stanford University Psychology Department Developmental Brownbag series; November 9, 2016
- UC Berkeley Department of Linguistics CogNetwork talk series; October 19, 2016
- Vision Sciences Society Satellite Symposium on Crowding; Sarasota FL; May 9, 2008

### Teaching

The University of Texas at Austin

- PSY 395S, Fundamentals of Developmental Psychology (graduate), Fall 2018  
 PSY 333N, Cognitive Development (undergraduate), Spring 2019

UC San Diego

PSYC 193, Special Topics in Psychology: The Psychology of Time, Summer 2016

Teaching Assistant:

Introduction to Psychology  
 General Psychology: Developmental Foundations  
 General Psychology: Cognitive Foundations  
 Introduction to Developmental Psychology  
 Introduction to Social Psychology  
 Psychology of Consciousness  
 Abnormal Psychology  
 Criminology  
 Psychological Disorders of Childhood  
 Parenting

### **Undergraduate honors theses supervised**

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, Cognitive Science Society, Developmental Science, Journal of Cognition and Development, Journal of Experimental Child Psychology, Journal of Vision, Psych Bulletin & Review, 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. 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