

# Stephan Charles Meylan

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## Education

B.A. *magna cum laude* Linguistics, Brown University, 2010.

Ph.D. Psychology, University of California, Berkeley, expected 2017. Advisor: Tom Griffiths

## Awards

National Science Foundation Graduate Research Fellowship (awarded 2012)

National Merit Scholar (awarded 2006)

## Publications

### *Journal Articles*

**Meylan, S.C.**, Frank, M. C., Roy, B.C., and Levy, R. (Accepted). The emergence of an abstract grammatical category in children's early speech. *Psychological Science*.

Kurumada, C., **Meylan, S. C.**, and Frank, M. C. (2013). Zipfian frequency distributions facilitate word segmentation in context. *Cognition*, 127, 439–453.

### *Conference Proceedings and Poster Presentations*

Braginsky, M., **Meylan, S.C.**, and Frank, M.C. (2016). Gender differences in lexical input and acquisition. 41st Annual Boston University Conference on Language Development, Boston.

Suchow, J.W., Morgan, T.J.H., Hamrick, J., Pacer, M., **Meylan, S.C.**, and Griffiths, T.L. (2016). Wallace: automating cultural evolution experiments through crowdsourcing. Tutorial presentation at the 38th Annual Conference of the Cognitive Science Society, Philadelphia.

**Meylan, S.C.**, Frank, M.C., Roy, B.C., and Levy, S.M. (2016). Bayesian modeling reveals the early emergence of syntactic abstraction in children's speech. 20th Biennial Congress of the International Congress on Infant Studies, New Orleans.

Suchow, J.W., Morgan, T.J.H., Hamrick, J., Pacer, M., **Meylan, S.C.**, and Griffiths, T.L. (2015). Wallace: A platform for simulating cultural evolution in structured populations online. ACM Conference on Economics and Computation, Portland, Oregon.

**Meylan, S. C.**, and Griffiths, T.L. (2015). A Bayesian framework for learning words from multiword utterances. *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*.

**Meylan, S. C.**, and Griffiths, T.L. (2015). Word forms—not just their lengths—are optimized for efficient communication. Poster presentation at the 2015 CUNY Sentence Processing Conference, University of Southern California, 19–22 March 2015.

**Meylan, S. C.**, and Griffiths, T.L. (2014). Exploring Inductive Biases In Naturalistic Language Use. Member abstract presented at the 36th Annual Meeting of the Cognitive Science Society.

**Meylan, S. C.**, and Gahl, S. (2014). The divergent lexicon: Lexical overlap decreases with age in a large corpus of conversational speech. *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*.

**Meylan, S. C.**, Frank, M. C., and Levy, R. (2013). Modeling the development of determiner productivity in children's early speech. *Proceedings of the 35th Annual Meeting of the Cognitive Science Society*.

**Meylan, S. C.**, Kurumada, C., Börschinger, B., Johnson, M., and Frank, M. C. (2012). Modeling on-line word segmentation performance in structured artificial languages. *Proceedings of the 34th Annual Meeting of the Cognitive Science Society*.

Kurumada, C., **Meylan, S. C.**, and Frank, M. C. (2011). Zipfian word frequencies support statistical word segmentation. *Proceedings of the 33rd Annual Meeting of the Cognitive Science Society*.

## Teaching Experience

Graduate Student Instructor, Computational Models of Cognition, Spring 2015 (Principal Instructor: Dr. Tom Griffiths)

Graduate Student Instructor, Computational Models of Cognition, Spring 2014 (Acting Graduate Instructor: Joshua Abbott)

Undergraduate Teaching Assistant, Introduction to Linguistic Theory, Fall 2009 (Principal Instructor: Dr. Pauline Jacobson)

## Research Experience

Graduate Student Researcher, Data on the Mind: Center for Data-Intensive Psychological Science, Fall 2014-Spring 2015 (under NSF award #1338541)

Research Assistant, Stanford Language and Cognition Lab, Fall 2010 - Summer 2012 (Principal Investigator: Dr. Michael C. Frank)

Research Assistant, USGS Coastal and Marine Geology Program, summers 2006 - 2010 (Principal Investigator: Dr. Lisa Robbins)

## Mentorship

### Research Assistants

Xiyue Wang: Spring 2014 - Fall 2016

Naomi Jing: Spring 2015 - Fall 2016

Wesley Hsieh: Spring 2015

Teeranan Pokaparakarn: Spring - Fall 2015

### Undergraduate Theses Advised

Aucher Serr: Spring 2014 (Principal Thesis Advisor: Dr. Mahesh Srinivasan)

## Reviewing

Annual Conference of the Cognitive Science Society, 2014 -2016; ad hoc reviewer for *Behavior Research Methods*

Last updated: November 3, 2016