

Emily Morgan

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EDUCATION

- 2016 **University of California, San Diego**
Ph.D. in Linguistics and Cognitive Science
Dissertation: *Generative and Item-Specific Knowledge of Language*
- 2009 **University of Amsterdam**
M.Sc. *cum laude* in Brain and Cognitive Sciences
Specialization: Cognition, Language, and Communication
Thesis: *A Bottom-Up Parsing Model of Local Coherence Effects*
- 2007 **Harvard University**
B.A. *cum laude* in Mathematics
Minor: Language, Mind, and Brain
Thesis: *Generalizing Synchronism to Linear Context-Free Rewriting Systems*

PROFESSIONAL EMPLOYMENT

- 2016 – present **Tufts University**
Postdoctoral Researcher, Psychology

GRANTS AND FELLOWSHIPS

- 2017 – 2018 NSF SBE Postdoctoral Research Fellowship
- 2010 – 2012 UCSD Center for Research in Language NIH Pre-Doctoral Fellowship
- 2007 – 2009 Amsterdam Merit Scholarship

PUBLICATIONS

Refereed Journal Articles

Patel, A.D. and Morgan, E. (2017). Exploring cognitive relations between prediction in language and music. *Cognitive Science*, 41(Suppl. 2), 303-320. DOI: 10.1111/cogs.12411

Morgan, E. and Levy, R. (2016). Abstract knowledge versus direct experience in processing of binomial expressions. *Cognition*, 157, 382-402.
<http://dx.doi.org/10.1016/j.cognition.2016.09.011>

Conference Proceedings

Delaney-Busch, N., Morgan, E., Lau, E., & Kuperberg, G. (2017). Comprehenders Rationally Adapt Semantic Predictions to the Statistics of the Local Environment: a Bayesian Model of Trial-by-Trial N400 Amplitudes. In: *Proceedings of the 39th Annual Conference of the Cognitive Science Society*, pp. 283-288.

Fogel, A.R., Morgan, E., & Patel, A.D. (2016). Measuring and modeling melodic expectation: A new approach. In: *Proceedings of the 14th International Conference on Music Perception & Cognition (ICMPC10), July 2016, San Francisco*. Adelaide: Causal Productions, pp. 87–90.

Morgan E. and Levy R. (2016). Frequency-Dependent Regularization in Iterated Learning. In S.G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Fehér & T. Verhoef (eds.) *The Evolution of Language: Proceedings of the 11th International Conference (EVOLANG11)*. Available online: <http://evolang.org/neworleans/papers/193.html>

Morgan, E. and Levy, R. (2015). Modeling idiosyncratic preferences: How generative knowledge and expression frequency jointly determine language structure. *Proceedings of the 37th Annual Conference of the Cognitive Science Society*, pp. 1649-1654.

Morgan, E., Keller, F., and Steedman, M. (2010). A Bottom-up Parsing Model of Local Coherence Effects. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, pp. 1559-1564.

Refereed Conference Presentations

Morgan, E., Fogel, A., and Patel, A. (2017, July). Statistical Learning Outperforms Gestalt-like Principles in Predicting Human Melodic Expectations. Oral presentation given at *Society for Music Perception and Cognition*, San Diego, CA.

Morgan, E. and Levy, R. (2016, January). Productive knowledge and item-specific experience trade off gradiently and rationally. Oral presentation given at *Linguistic Society of America 2016 Annual Meeting*, Washington, DC.

Wittenberg, E., Trotzke, A., Morgan, E., and Levy, R. (2016, February). Preferences in adjective order: Corpus evidence for a multifactorial approach. Oral presentation given at *DGfS*, Konstanz, Germany.

Morgan, E. and Levy, R. (2014, January). Direct Experience versus Abstract Knowledge in Linguistic Processing. Oral presentation given at *Linguistic Society of America 2014 Annual Meeting*, Minneapolis, MN.

Morgan, E. Processing Difficulty Doesn't Always Lower Acceptability: The Case of Lexical Frequency. (2014, January). Oral presentation given at *Linguistic Society of America 2014 Annual Meeting*, Minneapolis, MN.

Morgan, E. and Levy, R. Direct Experience versus Abstract Knowledge in Linguistic Processing. (2013, March). Oral presentation given at *CUNY Conference on Human Sentence Processing 2013*, Columbia, SC.

Bod, R., Borensztajn, G. and Morgan, E. (2009, July). Empiricist Solutions to Nativist Puzzles [Abstract]. In N. A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society* (p 2328). Austin, TX: Cognitive Science Society

Conference Posters

Morgan, E., Delaney-Busch, N., Kim, M., Warnke, L., Wlotko, E., and Kuperberg, G. (2018, March). ERP Evidence for Probabilistic Lexical Prediction. Poster to be presented at *Cognitive Neuroscience Society Annual Meeting*, Boston, MA.

Patel, A., Morgan, E., and Fogel, A. (2018, March). Statistical Learning and Gestalt-like Principles Predict Human Melodic Expectations. Poster to be presented at *Cognitive Neuroscience Society Annual Meeting*, Boston, MA.

Kuperberg, G., Delaney-Busch, N., Morgan, E., and Lau, E. (2017, November). Comprehenders Rationally Adapt Semantic Predictions to the Statistics of the Local Environment: A Bayesian model of trial-by-trial modulation on the N400. Poster presented at *Society for the Neurobiology of Language*, Baltimore, MD.

Delaney-Busch, N., Morgan, E., Lau, E., and Kuperberg, G. (2016, November). Comprehenders Rationally Adapt Semantic Predictions to the Statistics of the Environment: a Bayesian Model of Trial-level N400 Amplitudes. Poster presented at *the Annual Meeting of the Psychonomic Society*, Boston, MA.

Morgan, E. and Levy, R. (2016, March). Frequency-(in)dependent regularization in language production and cultural transmission. Poster presented at *CUNY Conference on Human Sentence Processing 2016*, Gainesville, FL.

Myslín, M., Morgan, E., and Levy, R. (2016, March). Comprehenders reason about competing causal sources of binomial ordering. Poster presented at *CUNY Conference on Human Sentence Processing 2016*, Gainesville, FL.

Morgan, E. and Levy, R. (2015, September). Generative and item-specific knowledge jointly determine language structure. Poster presented at *Architectures & Mechanisms for Language Processing*, Valletta, Malta.

Morgan, E. and Levy, R. (2015, September). Productive knowledge and direct experience trade off gradiently and rationally in processing binomial expressions. Poster presented at *Architectures & Mechanisms for Language Processing*, Valletta, Malta.

Bushong, W., Morgan, E., Yen, M., and Levy, R. (2015, September). Compositional and holistic representation in multiword expressions. Poster presented at *Architectures & Mechanisms for Language Processing*, Valletta, Malta.

Morgan, E. and Levy, R. (2014, November). Productive knowledge and holistic experience in language processing. Poster presented at *Gradient Symbolic Computation Workshop: The Continuous and the Discrete in Sentence Processing*, Baltimore, MD.

Morgan, E., Levy, R., Bicknell, K., Slattery, T., and Rayner, K. (2011, March). Word Recognition Occurs During Second Pass Reading: Evidence from Eye-movements. Poster presented at *CUNY Conference on Human Sentence Processing 2011*, Stanford, CA.

INVITED TALKS

2017 “Modeling Melodic Expectation.” Global Arts and Psychology Seminar, Tufts University. April 28.

2017 “Generative versus item-specific knowledge in language processing and evolution.” 30th Annual CUNY Conference on Human Sentence Processing, MIT. March 30.

2016 – 2017 “Generative versus item-specific knowledge in language processing and evolution.”
Linguistics Colloquium, University of Arizona. September 29, 2017.
Workshop on Simplicity in Grammar Learning, MIT. September 23, 2017.
Cognitive Science Colloquium, University at Buffalo. May 3, 2017.
Psycholinguistics Workshop, UMass Amherst. March 3, 2017.
Language and Cognition Group, Harvard University. February 28, 2017.
Language and Computation Meeting, MIT. October 20, 2016.
Department of Cognitive Science, University of California, San Diego.
June 3, 2016.

2016 “Generative versus item-specific knowledge in human language processing.” Luminoso, Cambridge, MA. July 14.

2015 “Abstract knowledge and item-specific experience in language processing and change.” Department of Brain and Cognitive Sciences, University of Rochester. June 3.

2014 “Abstract knowledge versus item-specific experience in language processing.”
 Department of Brain and Cognitive Sciences, MIT. August 19.
 Department of Psychology, Tufts University. August 18.
 Stanford Psychology of Language Tea! June 5.

TEACHING EXPERIENCE

Instructor

Winter 2014 Psycholinguistics. University of California, San Diego.

Tutorial

Spring 2016 Probabilistic Models of Language. Tufts University.

Teaching Assistant

Winter 2013 Psycholinguistics. University of California, San Diego.

Summer 2005, Calculus I. Harvard University.
Summer 2006

Fall 2004 Multivariable Calculus. Harvard University.

UNDERGRADUATE ADVISING

2011 – 2015 6 undergraduate research assistants. University of California, San Diego

2017 1 undergraduate research assistant. Tufts University.

Senior Honors Thesis Students, UCSD (with Roger Levy)

2015 Wednesday Bushong. “Compositional and holistic representation in multiword expressions.”

2014 Melodie Yen. “Activation of holistic representations in phrasal processing.”

PROFESSIONAL SERVICE

Reviewing

2018 Cognitive Modeling and Computational Linguistics (CMCL); CUNY Sentence Processing Conference; Society for Computation in Linguistics

2017 *Cognition; Journal of Memory and Language; Psychological Science;*
Cognitive Modeling and Computational Linguistics (CMCL); CUNY Sentence

Processing Conference, Annual Meeting of the Cognitive Science Society

2016 *Bilingualism: Language and Cognition; Current Biology; Journal of Experimental Psychology: Learning, Memory, and Cognition; Neuropsychologia*; Annual Meeting of the Cognitive Science Society; Events in Language and Cognition Workshop

2011 – 2015 Annual Meeting of the Cognitive Science Society

Other Academic Service

2009 – 2010 Graduate Student Association Representative, University of California, San Diego

2008 “Cognito” Cognitive Science Student Association Board Member, University of Amsterdam