

Mark Myslín

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Research interests

Computational psycholinguistics, language processing, cognitive psychology, statistical modeling

Education

University of California, San Diego: Ph.D. Linguistics & Cognitive Science	<i>expected 2015</i>
<i>Dissertation title: Rapid inference of causal models for linguistic distributions</i>	
University of California, San Diego: M.A. Linguistics	2013
University of Colorado, Boulder: Linguistic Society of America Summer Institute	2011
University of California, Santa Barbara: B.A. Linguistics & Spanish	2010

Grants & Awards

National Science Foundation Graduate Research Fellowship	2012-2015
Jacob K. Javits Fellowship	2011-2012
Jacobs Endowed Fellowship, UC San Diego	2010-2011
Chancellor's Award for Excellence in Undergraduate Research, UC Santa Barbara	2010
Daniel G. Aldrich Award (contributions to campus community), UC Santa Barbara	2010
University Award of Distinction (contributions to campus community), UC Santa Barbara	2010
Regents Scholarship, UC Santa Barbara	2006-2010
Phi Beta Kappa, UC Santa Barbara	2009

Publications

In progress **Myslín, Mark**, Mallorie Leinenger, Keith Rayner, & Roger Levy. Do resource constraints affect lexical processing? Evidence from eye movements.

Submitted **Myslín, Mark**, & Roger Levy. Comprehension priming as rational expectation for repetition: Evidence from syntactic processing.

In press **Myslín, Mark**, & Roger Levy. Codeswitching and predictability of meaning in discourse. *Language*.

2014 Seyfarth, Scott & **Mark Myslín**. Discriminative learning predicts human recognition of English blend sources. *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*.

2013 **Myslín, Mark**, Shu-Hong Zhu, Wendy Chapman, & Mike Conway. Using Twitter to examine smoking behavior and perceptions of emerging tobacco products. *Journal of Medical Internet Research* 15(8). e174.

2014 International Society for Disease Surveillance Outstanding Research Article in Biosurveillance (Finalist)

2010 **Myslín, Mark**, & Stefan Th. Gries. k dixez? A corpus study of Spanish Internet orthography. *Literary and Linguistic Computing* 25(1). 85-105.

Invited talks

2014 **Myslín, Mark** & Son Doan. Learning discourse relations in biomedical text through syntactic recurrence. Division of Biomedical Informatics, UC San Diego, 8 August 2014.

2014 **Myslín, Mark**. Codeswitching and predictability of meaning in discourse. Language, Equity, and Educational Policy Speaker Series, Graduate School of Education, Stanford University, 9 May 2014.

2014 **Myslín, Mark**. Comprehension priming as rational expectation for repetition: Evidence from syntactic processing. Department of Psychology, Stanford University, 8 May 2014.

- 2014 **Myslín, Mark.** Codeswitching and predictability of meaning in discourse. Department of Linguistics, Stanford University, 9 April 2014.
- 2014 **Myslín, Mark.** Comprehension priming as rational expectation for repetition: Evidence from syntactic processing. Center for Research in Language, Department of Cognitive Science, UC San Diego, 1 April 2014.
- 2012 **Myslín, Mark** & Michael Conway. Automated monitoring of tobacco-related Twitter posts using NLP and machine learning. Division of Biomedical Informatics, UC San Diego, 10 August 2012.

Peer-reviewed presentations

- 2015 **Myslín, Mark** & Roger Levy. Comprehenders infer interaction between meaning intent and grammatical probability. Oral presentation at the 89th Annual Meeting of the Linguistic Society of America. Portland, OR, 10 January 2015.
- 2014 **Myslín, Mark** & Roger Levy. Causal interaction of discrete and continuous factors in models of syntactic choice. Poster presentation at Gradient Symbolic Computation Workshop, Johns Hopkins University, 14 November 2014.
- 2014 **Myslín, Mark** & Roger Levy. Comprehenders infer interaction between meaning intent and grammatical probability. Poster presentation at Architectures & Mechanisms for Language Processing 20, University of Edinburgh, Scotland, 4 September 2014.
- 2014 Seyfarth, Scott & **Mark Myslín.** Discriminative learning predicts human recognition of English blend sources. Oral presentation at the 36th Annual Meeting of the Cognitive Science Society, Québec City, Québec, Canada, 26 July 2014.
- 2014 **Myslín, Mark** & Roger Levy. Codeswitching and predictability of meaning in discourse. Poster presentation at International Workshop on Language Production, Université de Genève, Switzerland, 17 July 2014.
- 2014 **Myslín, Mark.** Rapid inference of semantic information transfer rate in conversation. Poster presentation at the 27th Annual CUNY Sentence Processing Conference, The Ohio State University, 14 March 2014.
- 2014 Seyfarth, Scott & **Mark Myslín.** Discriminative learning predicts human recognition of English blend sources. Oral presentation at the 40th Annual Meeting of the Berkeley Linguistics Society, UC Berkeley, 8 February 2014.
- 2014 **Myslín, Mark,** & Roger Levy. Comprehension priming as rational expectation for repetition: Evidence from syntactic processing. Oral presentation at the 88th Annual Meeting of the Linguistic Society of America. Minneapolis, MN, 5 January 2014.
- 2013 Leininger, Mallorie, **Mark Myslín,** Roger Levy, & Keith Rayner. Digging-in effects in lexical ambiguity resolution: Evidence from eye movements. Poster presentation at the 54th Annual Meeting of the Psychonomic Society, Toronto, 15 November 2013.
- 2013 Conway, Michael, **Mark Myslín,** Shu-Hong Zhu, & Wendy Chapman. Examining smoking behavior and perceptions of new and emerging tobacco products using Twitter and natural language processing. Poster presentation at Medicine 2.0 Congress, London, 23 September 2013.
- 2013 **Myslín, Mark,** & Roger Levy. Comprehension priming as rational expectation for repetition: Evidence from syntactic processing. Oral presentation at Cognition & Language Workshop (CLaW) 2013, UC Santa Barbara, 1 September 2013.
- 2013 **Myslín, Mark,** & Roger Levy. Expectation adaptation for variability in clustering of syntactic structures. Poster presentation at Linguistic Society of America Summer Institute workshop: How the brain accommodates variability in linguistic representations, University of Michigan, 14 July 2013.
- 2013 **Myslín, Mark,** & Roger Levy. Expectation adaptation for clustering of syntactic structures. Poster presentation at the 26th Annual CUNY Sentence Processing Conference, Columbia, SC, 21-23 March 2013.
- 2013 **Myslín, Mark,** & Roger Levy. Codeswitching and meaning predictability in discourse. Poster presentation at the 87th Annual Meeting of the Linguistic Society of America, Boston, MA, 5 January 2013.

- 2012 **Myslín, Mark**, Shu-Hong Zhu, & Michael Conway. Content analysis of tobacco-related Twitter posts. Oral presentation at the International Society for Disease Surveillance (ISDS) Annual Conference. San Diego, CA, 4 December 2012.
- 2012 **Myslín, Mark**, & Roger Levy. Information density in multilingual codeswitching. Oral presentation at Cognition & Language Workshop (CLaW) 2012, UC Santa Barbara, 14 April 2012.
- 2012 **Myslín, Mark**, & Roger Levy. Information density in multilingual codeswitching. Oral presentation at Deutsche Gesellschaft für Sprachwissenschaft 2012, Goethe-Universität Frankfurt, 7 March 2012.
- 2010 **Myslín, Mark**. Codeswitching, prosody, and information flow in Czech-English bilingual discourse. Oral presentation at the Southern California Undergraduate Linguistics Conference, UCLA, 10 April 2010.
- 2009 Gries, Stefan Th. & **Mark Myslín**. k dixez?: A corpus study of Spanish Internet orthography. Oral presentation at Corpus Linguistics 2009, University of Liverpool, 23 July 2009.

Teaching

Courses designed and taught at Upward Bound, College of the Redwoods, Eureka, CA

Language & Cognition	Summer 2010
Advanced Spanish: Latin American Film & Short Story	Summer 2010
Intro to Linguistics	Summer 2009
Intro to Spanish	Summer 2009

Courses taught at UC San Diego

Linguistics 1BX: Analysis of Spanish	Fall 2010
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Teaching assistantships at UC San Diego

Linguistics 170: Psycholinguistics (Emily Morgan)	Winter 2014
HDP 1: Human Development (Farrell Ackerman)	Fall 2013

Research employment

Research engineer, UCSD Division of Biomedical Informatics: Machine classification of discourse coherence relations using syntactic structure PI: Son Doan	2014
Automated monitoring of tobacco-related Twitter posts using natural language processing (UCSD Division of Biomedical Informatics) PIs: Wendy Chapman & Michael Conway	2012
Automated Cross-Modal Multimedia Retrieval using Canonical Correlation Analysis (UCSD Statistical Visual Computing Lab, Department of Electrical and Computer Engineering). PI: Nuno Vasconcelos	2011
The Role of Social Interaction in the Development of Scientist Identities and the Retention of Undergraduate Women in Science Majors (NSF Grant HRD-0624606). PI: Mary Bucholtz, UCSB	2009-2010
Electronic Corpus of Mexican Folktales (2007 UC MEXUS-CONACYT Grant). PIs: Stefan Th. Gries, UCSB; Minerva Oropeza, Cicesas Golfo, CIESAS	2008-2009

Professional memberships

Cognitive Science Society	2014-present
Linguistic Society of America	2011-present

At-large reviewing

CogSci: The Annual Meeting of the Cognitive Science Society	2014-present
International Society for Disease Surveillance: Informatics & Analytics	2013

Undergraduate advising

Jake Prasad (Computer Science, UCSD), <i>Research assistant</i>	2014-present
Isabelle van der Vegt (Psychology & Linguistics, UCSD and University College Utrecht, The Netherlands), <i>Honors thesis student</i>	2014-present
<i>Thesis title:</i> Collectivist social biases in online lexical processing	
Agatha Ventura (Linguistics, UCSD), <i>Research assistant</i>	2013-present
Bill Presant (Psychology & Computer Science, UCSD), <i>Research assistant</i>	2013
Hoa Mai (Computer Science, UCSD), <i>Research assistant</i>	2013
Cody McCormack (Linguistics, UCSD), <i>Research assistant</i>	2012-2013

Laboratory affiliations

Computational Psycholinguistics Lab, UCSD, director Roger Levy	2010-present
AndyLab (Computational pragmatics and discourse), UCSD, director Andrew Kehler	2011-present
Rayner Eyetracking Lab, UCSD, director Keith Rayner	2011-present

Academic service

Statistical modeling consultation, UCSD International Students & Programs Office	2013-2014
Advisor, UCSD Computational Psycholinguistics Undergraduate Research Group	2012-2013
Advisor, UCSD Linguistics Undergraduate Association	2012-2013
Invited panelist, NSF Graduate Research Fellowship Application Workshop, UCSD	2012
Graduate Admissions Committee, UCSD Department of Linguistics	2011, 2012
Video editing instructor, UC Santa Barbara Digital Editing Lab	2007-2010

Languages

English (native), Czech (native), Spanish (fluent), Mandarin (intermediate), Catalan (basic), Nieves Mixtec (fieldwork)

Programming/software

R, Python, BUGS/JAGS, TGrep2, PHP, HTML, CSS, JavaScript, Weka