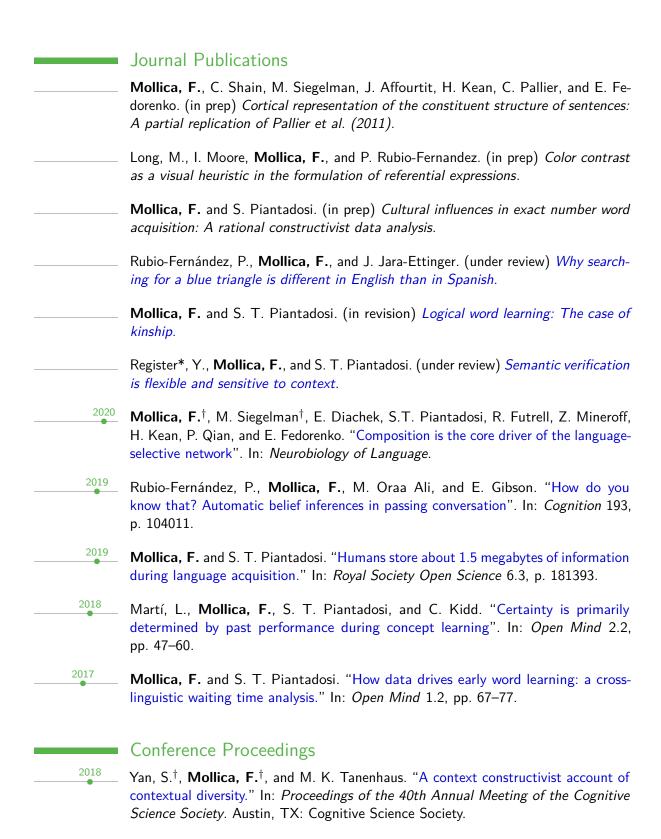
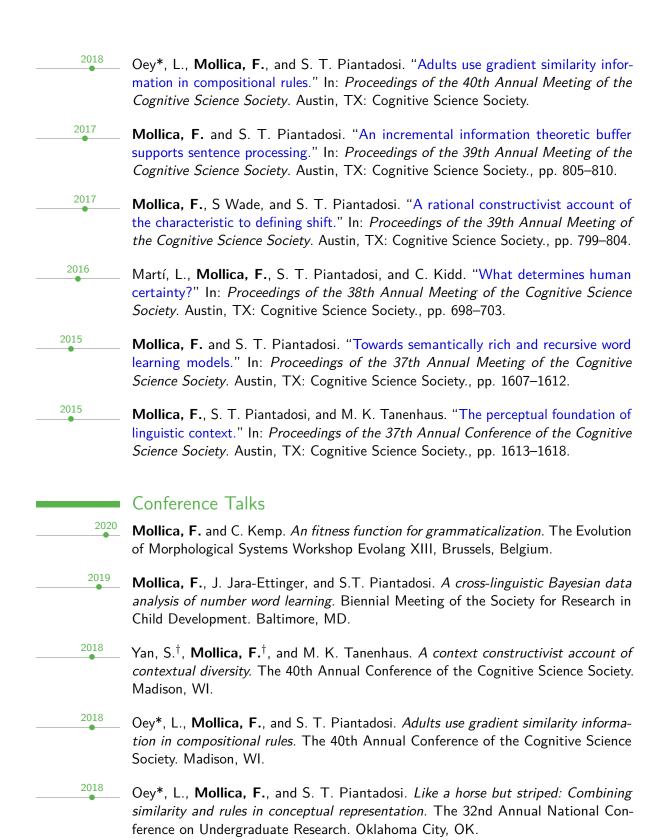
## Francis Mollica

	Employment
202	<sup>0</sup> <b>Lecturer in Computational Cognitive Science</b> , <i>School of Informatics</i> , University of Edinburgh, Scotland.
2019	Postdoctoral Research Fellow, University of Melbourne.
	Education
2014	PhD Brain and Cognitive Sciences, University of Rochester, Rochester, NY.
2014	MA Brain and Cognitive Sciences, University of Rochester, Rochester, NY.
2010	BA Linguistics, University at Buffalo, Buffalo, NY.
2010	BS Psychology, University at Buffalo, Buffalo, NY.
	Honors and Awards
2018	Student Travel Award, CUNY Sentence Processing.
2017	Student Travel Award, Cognitive Science Society.
2016	Honorable Mention, NSF Graduate Research Fellowship Program.
2015	Student Travel Award, Cognitive Science Society.
2015	Honorable Mention, NSF Graduate Research Fellowship Program.
2014	Outstanding Senior Award, Dept. of Linguistics, University at Buffalo.
2012	Grace W. Capen Academic Award, University at Buffalo.
	Funding
2017	Donald M. and Janet C. Bernard Fellowship, University of Rochester.
2015	Discover Grant, University of Rochester.
2010	Provost Scholarship, University at Buffalo.
2010 2014	Johnson Controls Foundation Scholarship.





2018	<b>Mollica, F.</b> <sup>†</sup> , S. Yan <sup>†</sup> , and M.K. Tanenhaus. <i>A context constructivist account of contextual diversity.</i> The 31st CUNY Sentence Processing Conference. Davis, CA.
2017	<b>Mollica, F.</b> and S.T. Piantadosi. <i>An incremental information theoretic buffer supports sentence processing.</i> The 39th Annual Conference of the Cognitive Science Society. London, UK.
2017	<b>Mollica, F.</b> , S. Wade, and S.T. Piantadosi. <i>A rational constructivist account of the characteristic to defining shift.</i> The 39th Annual Conference of the Cognitive Science Society. London, UK.
2017	<b>Mollica, F.</b> and S.T. Piantadosi. <i>An incremental information theoretic buffer supports sentence processing.</i> The 30th CUNY Sentence Processing Conference. Cambridge, MA.
2015	<b>Mollica, F.</b> and S.T. Piantadosi. <i>Characterizing data-driven word learning: A cross-linguistic analysis.</i> More on Development. Columbus, OH.
2015	<b>Mollica, F.</b> , S.T. Piantadosi, and M.K. Tanenhaus. <i>The perceptual foundation of linguistic context.</i> The 37th Annual Conference of the Cognitive Science Society. Los Angeles, CA.
	Conference Posters
2020	<b>Mollica, F.</b> and C. Kemp. <i>An efficient communication account of grammatical features.</i> The 33rd CUNY Sentence Processing Conference. Amherst, MA.
2019	<b>Mollica, F.</b> and S.T. Piantadosi. <i>A cross-linguistic Bayesian data analysis of number word learning</i> . Budapest CEU Conference on Cognitive Development. Budapest, Hungary.
2018	Rubio-Fernández, P. and <b>Mollica, F.</b> <i>Incremental contrasts: Why spotting a blue triangle is different in English than in Spanish.</i> The 31st CUNY Sentence Processing Conference. Davis, CA.
2018	<b>Mollica, F.</b> and E. Gibson. <i>Towards a psychological evaluation metric for semantic representations.</i> The 31st CUNY Sentence Processing Conference. Davis, CA.
2016	Galette, C.*, <b>Mollica, F.</b> , and R. Raizada. <i>Unconvering the representation of ambiguous words</i> . The 30th Annual National Conference on Undergraduate Research. Asheville, NC.
2015	<b>Mollica, F.</b> , S.T. Piantadosi, and M.K. Tanenhaus. <i>The perceptual foundation of linguistic context</i> . The 28th CUNY Sentence Processing Conference. Los Angeles, CA.

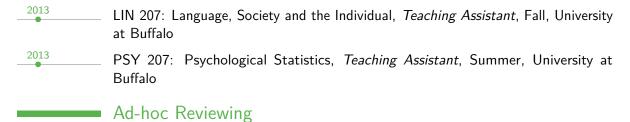
## Thesis

2019

**Mollica, F.** "The Human Learning Machine: Rational Constructivist Models of Conceptual Development". PhD thesis. University of Rochester.

- \* supervised undergraduate researcher
- † co-authored work (equal contribution)

	Departmental/Colloquia/Invited Talks
2019	The Human Learning Machine: Computational Models of Conceptual Development Computational Cognitive Development Group Rutgers University, July, 2019
2018	The Human Learning Machine: Computational Models of Conceptual Development Computational Cognitive Science Lab University of Melbourne, October, 2018
2018	The Human Learning Machine: Computational Models of Conceptual Development Computation and Cognitive Development Lab Yale, April, 2018
2018	Simplicity, data and inter-related systems: A computational account of kinship term acquisition. Children's Acquisition of Kinship Knowledge: Theory and Method Workshop University of Bristol, January, 2018
2017	An information-theoretic buffer supports language processing. The Computational Psycholinguistics Lab <i>MIT</i> , November, 2017
2017	A contextual diversity hypothesis of lexical retrieval in online language processing. The Language Lab MIT, October, 2017
2017	How data drives word learning: A cross-linguistic analysis. The Language Lab $\it MIT$ , September, 2017
2016	Formalizing conceptual development: The case of kinship. NRT Mini-Conference University of Rochester, September, 2016
2016	How data drives word learning: A cross-linguistic analysis. Evolution and Development Talk Series University of Rochester, April, 2016
	Teaching
2018	BCS 259: Language Development, <i>Teaching Assistant</i> , Spring, University of Rochester
2017	BCS 153: Cognition, Teaching Assistant, Spring, University of Rochester
2016	BCS 310: Senior Seminar, Co-Instructor, Fall, University of Rochester
2016	Building the Language Machine: An Intro to Computational Linguistics, <i>Instructor</i> , Summer, Rochester Scholars Program
2016	BCS 153: Cognition, Teaching Assistant, Spring, University of Rochester
2015	The Language Scientist: Linguist, Psychologist, Computer Scientist, <i>Instructor</i> , Summer, Rochester Scholars Program



**Journals:** Behavioral Research Methods, Language, Cognition & Neuroscience, Morphological Typology and Linguistic Cognition, Nature Human Behavior, PLOS One

Conferences: ACL, CogSci, COLING, CUNY