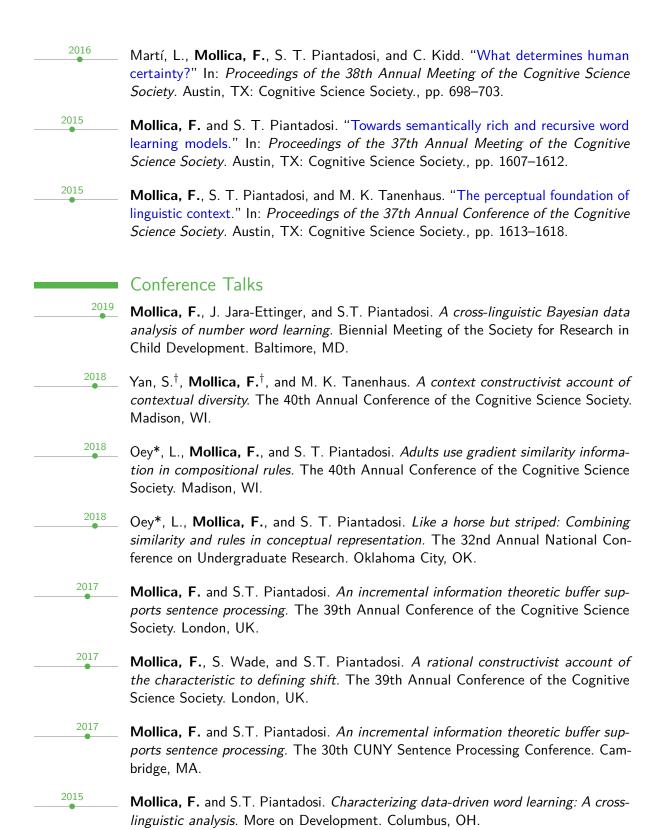
## Francis Mollica

	Employment
2019	Postdoctoral Research Fellow, University of Melbourne.
	Education
2014 2019	<b>PhD Brain and Cognitive Sciences</b> , <i>University of Rochester</i> , Rochester, NY. Committee: Steven Piantadosi, Michael Tanenhaus, Naomi Feldman, Aaron White (chair)
2014	MA Brain and Cognitive Sciences, <i>University of Rochester</i> , Rochester, NY. Committee: Steven Piantadosi, Michael Tanenhaus, Robbie Jacobs (chair)
2010	<b>BA Linguistics</b> , <i>University at Buffalo</i> , Buffalo, NY.  Language and Cognition Concentration
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.
2018 2015	Discover Grant, University of Rochester.
2010	Provost Scholarship, University at Buffalo.
2014 2010 2014	Johnson Controls Foundation Scholarship.
	Journal Publications
	<b>Mollica, F.</b> and S. Piantadosi. (in prep) <i>Universal and cultural-specific processes in exact number word acquisition.</i>

Rubio-Fernández, P., <b>Mollica, F.</b> , and J. Jara-Ettinger. (under review) Why searching for a blue triangle is different in English than in Spanish.
<b>Mollica, F.</b> <sup>†</sup> , M. Siegelman <sup>†</sup> , E. Diachek, S.T. Piantadosi, R. Futrell, Z. Mineroff, and E. Fedorenko. (under review) <i>High local mutual information drives the response in the human language network</i> .
<b>Mollica, F.</b> and S. T. Piantadosi. (in revision) <i>Logical word learning: The case of kinship.</i>
Register*, Y., <b>Mollica, F.</b> , and S. T. Piantadosi. (under review) <i>Semantic verification</i> is flexible and sensitive to context.
Rubio-Fernández, P., <b>Mollica, F.</b> , M. Oraa Ali, and E. Gibson. "How do you know that? Automatic belief inferences in passing conversation". In: <i>Cognition</i> 193, p. 104011.
<b>Mollica, F.</b> and S. T. Piantadosi. "Humans store about 1.5 megabytes of information during language acquisition." In: <i>Royal Society Open Science</i> 6.3, p. 181393.
Martí, L., <b>Mollica, F.</b> , S. T. Piantadosi, and C. Kidd. "Certainty is primarily determined by past performance during concept learning". In: <i>Open Mind</i> 2.2, pp. 47–60.
<b>Mollica, F.</b> and S. T. Piantadosi. "How data drives early word learning: a cross-linguistic waiting time analysis." In: <i>Open Mind</i> 1.2, pp. 67–77.
Conference Proceedings
Yan, S.†, <b>Mollica, F.</b> †, and M. K. Tanenhaus. "A context constructivist account of contextual diversity." In: <i>Proceedings of the 40th Annual Meeting of the Cognitive Science Society.</i> Austin, TX: Cognitive Science Society.
Oey*, L., <b>Mollica, F.</b> , and S. T. Piantadosi. "Adults use gradient similarity information in compositional rules." In: <i>Proceedings of the 40th Annual Meeting of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society.
<b>Mollica, F.</b> and S. T. Piantadosi. "An incremental information theoretic buffer supports sentence processing." In: <i>Proceedings of the 39th Annual Meeting of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society., pp. 805–810.
<b>Mollica, F.</b> , S Wade, and S. T. Piantadosi. "A rational constructivist account of the characteristic to defining shift." In: <i>Proceedings of the 39th Annual Meeting of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society., pp. 799–804.



2015	

**Mollica, F.**, S.T. Piantadosi, and M.K. Tanenhaus. *The perceptual foundation of linguistic context*. The 37th Annual Conference of the Cognitive Science Society. Los Angeles, CA.

## Conference Posters



**Mollica, F.** and S.T. Piantadosi. *A cross-linguistic Bayesian data analysis of number word learning*. Budapest CEU Conference on Cognitive Development. Budapest, Hungary.



Rubio-Fernández, P. and **Mollica, F.** *Incremental contrasts: Why spotting a blue triangle is different in English than in Spanish.* The 31st CUNY Sentence Processing Conference. Davis, CA.



**Mollica, F.** and E. Gibson. *Towards a psychological evaluation metric for semantic representations.* The 31st CUNY Sentence Processing Conference. Davis, CA.



Galette, C.\*, **Mollica, F.**, and R. Raizada. *Unconvering the representation of ambiguous words*. The 30th Annual National Conference on Undergraduate Research. Asheville, NC.

2015

**Mollica, F.**, S.T. Piantadosi, and M.K. Tanenhaus. *The perceptual foundation of linguistic context*. The 28th CUNY Sentence Processing Conference. Los Angeles, CA.

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

## Departmental/Colloquia/Invited Talks



The Human Learning Machine: Computational Models of Conceptual Development Computational Cognitive Science Lab University of Melbourne, October, 2018



The Human Learning Machine: Computational Models of Conceptual Development Computation and Cognitive Development Lab Yale, April, 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 *MIT*, 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 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
2013	LIN 207: Language, Society and the Individual, <i>Teaching Assistant</i> , Fall, University at Buffalo
2013	PSY 207: Psychological Statistics, <i>Teaching Assistant</i> , Summer, University at Buffalo
	Ad-hoc Reviewing

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

Conferences: CogSci, COLING