416 Meliora Hall Rochester, NY 14627 Francis Mollica Mollic

	Education
2014	PhD Brain and Cognitive Sciences, University of Rochester, Rochester, NY.
2014	MA Brain and Cognitive Sciences, <i>University of Rochester</i> , Rochester, NY. Committee: Steven Piantadosi, Michael Tanenhaus, Robbie Jacobs (chair)
2010	BA Linguistics , <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.
2015	Discover Grant, University of Rochester.
2010	Provost Scholarship, University at Buffalo.
2010	Johnson Controls Foundation Scholarship.
	Journal Publications
	Mollica, F. ^{\dagger} , M. Siegelman ^{\dagger} , E. Diachek, R. Futrell, S.T. Piantadosi, Z. Mineroff, and E. Fedorenko. (in prep) <i>High local mutual information drives the response in the human language network</i> .
	Mollica, F. and S. T. Piantadosi. (under review) <i>Logical word learning: The case of kinship.</i>

	Mollica, F. and S. T. Piantadosi. (under review) <i>Information theoretic bounds on human knowledge of language.</i>
	Register*, J., Mollica, F. , and S. T. Piantadosi. (under review) <i>Semantic verification</i> is flexible and sensitive to context.
	Martí, L., Mollica, F. , S. T. Piantadosi, and C. Kidd. (to appear) <i>Certainty is primarily determined by past performance during concept learning. Open Mind.</i>
2017	Mollica, F. 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
2018	Yan, S.†, Mollica, F. †, 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.
2018	Oey*, L., Mollica, F. , 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.
2017	Mollica, F. 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.
2017	Mollica, F. , 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.
2016	Martí, L., Mollica, F. , S. T. Piantadosi, and C. Kidd. "What determines human certainty?" In: <i>Proceedings of the 38th Annual Meeting of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society., pp. 698–703.
2015	Mollica, F. and S. T. Piantadosi. "Towards semantically rich and recursive word learning models." In: <i>Proceedings of the 37th Annual Meeting of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society., pp. 1607–1612.
2015	Mollica, F. , S. T. Piantadosi, and M. K. Tanenhaus. "The perceptual foundation of linguistic context." In: <i>Proceedings of the 37th Annual Conference of the Cognitive Science Society</i> . Austin, TX: Cognitive Science Society., pp. 1613–1618.



2016	Galette, C.*, Mollica, F. , and R. Raizada. <i>Unconvering the representation of ambiguous words</i> . The 30th Annual National Conference on Undergraduate Research. Asheville, NC.
2015	Mollica, F. , S.T. Piantadosi, and M.K. Tanenhaus. <i>The perceptual foundation of linguistic context</i> . The 28th CUNY Sentence Processing Conference. Los Angeles, CA.
* supervised un	dergraduate researcher

* supervised undergraduate researcher

† co-authored work (equal contribution)

† co-authored work (equal contribution)		
	Departmental/Colloquia/Invited Talks	
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. <i>Children's Acquisition of Kinship Knowledge: Theory and Method Workshop</i> University of Bristol, January, 2018.	
2017	, An information-theoretic buffer supports language processing. <i>The Computational Psycholinguistics Lab</i> 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. <i>NRT Mini-Conference</i> University of Rochester, September, 2016.	
2016	, How data drives word learning: A cross-linguistic analysis. <i>Evolution and Development Talk Series</i> 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, Instructor, 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

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