Francis Mollica

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Education

2014 **PhD Brain and Cognitive Sciences**, *University of Rochester*, Rochester, NY.

2014
2017 **MA Brain and Cognitive Sciences**, *University of Rochester*, Rochester, NY.
Committee: Steven Piantadosi, Michael Tanenhaus, Robbie Jacobs (chair)

2010
2014 **BA Linguistics**, *University at Buffalo*, Buffalo, NY.
Language and Cognition Concentration

2010
2014 **BS Psychology**, *University at Buffalo*, Buffalo, NY.

Honors and Awards

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
2014 **Provost Scholarship**, *University at Buffalo*.

2010
2014 **Johnson Controls Foundation Scholarship**.

Journal Publications

Mollica, Francis and Steven T Piantadosi. (under review) *Information theoretic bounds on human knowledge of language.*

Register, Jenna, Francis Mollica, and Steven T. Piantadosi. (under review) *Semantic verification is flexible and sensitive to context.*

Martí, Louis, Francis Mollica, Steven T. Piantadosi, and Celeste Kidd. (under review) *Superficial cues determine human certainty.*

2017 Mollica, Francis and Steven T Piantadosi. "How data drives early word learning: a cross-linguistic waiting time analysis." In: *Open Mind*.

Conference Proceedings

2017 Mollica, Francis and Steven T Piantadosi. "An incremental information theoretic buffer supports sentence processing." In: *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

2017 Mollica, Francis, Shirlene Wade, and Steven T Piantadosi. "A rational constructivist account of the characteristic to defining shift." In: *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

2016 Martí, Louis, Francis Mollica, Steven T Piantadosi, and Celeste Kidd. "What determines human certainty?" In: *Proceedings of the 38th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society., pp. 698–703.

2015 Mollica, Francis and Steven T Piantadosi. "Towards semantically rich and recursive word learning models." In: *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society., pp. 1607–1612.

2015 Mollica, Francis, Steven T Piantadosi, and Michael K Tanenhaus. "The perceptual foundation of linguistic context." In: *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society., pp. 1613–1618.

Conference Talks

2017 Mollica, Francis and Steven T Piantadosi. *An incremental information theoretic buffer supports sentence processing*. 37th Annual Conference of the Cognitive Science Society. London, UK.

2017 Mollica, Francis, Shirlene Wade, and Steven T Piantadosi. *A rational constructivist account of the characteristic to defining shift*. 37th Annual Conference of the Cognitive Science Society. London, UK.

2017 Mollica, Francis and Steven T Piantadosi. *An incremental information theoretic buffer supports sentence processing*. 30th CUNY Sentence Processing Conference. Cambridge, MA.

2015 Mollica, Francis and Steven T Piantadosi. *Characterizing data-driven word learning: A cross-linguistic analysis*. More on Development. Columbus, OH.

2015 Mollica, Francis, Steven T Piantadosi, and Michael K Tanenhaus. *The perceptual foundation of linguistic context.* 37th Annual Conference of the Cognitive Science Society. Los Angeles, CA.

Conference Posters

2015 Mollica, Francis, Steven T Piantadosi, and Michael K Tanenhaus. *The perceptual foundation of linguistic context.* The 28th CUNY Sentence Processing Conference. Los Angeles, CA.

2016 Galette, Claude, Francis Mollica, and Rajeev Raizada. *Unconvering the representation of ambiguous words.* 30th Anniversary National Conference on Undergraduate Research. Asheville, NC.

Teaching

2018 **BCS 259: Language Development**, *Teaching Assistant*, 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 Langauge 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**, *Instructor*, Summer, Rochester Scholars Program.

2013 **LIN 207: Language, Society and the Individual**, *Teaching Assistant*, Fall, University at Buffalo.

2013 **PSY 207: Psychological Statistics**, *Teaching Assistant*, Summer, University at Buffalo.

Ad-hoc Reviewing

Behavioral Research Methods
Proceedings of the Annual Meeting of the Cognitive Science Society