

# Francis Mollica

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## Education

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

- 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

- 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. (in press) *How data drives early word learning: a cross-linguistic waiting time analysis*. *Open Mind*.
- Mollica, Francis and Steven T Piantadosi. (in prep) *Information theoretic bounds on human knowledge of language*.
- Mollica, Francis and Steven T Piantadosi. (in prep) *Logical word learning: The case of kinship*.

## Conference Proceedings

- Mollica, Francis and Steven T Piantadosi. (submitted) *An incremental information theoretic buffer supports sentence processing*.

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Mollica, Francis, Shirlene Wade, and Steven T Piantadosi. (submitted) *A rational constructivist account of the characteristic to defining shift*.

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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.

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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.

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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.

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## Conference Talks

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

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

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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.

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## Conference Posters

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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.

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

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## Teaching

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2017  
**BCS 153: Cognition**, *Teaching Assistant*, Spring, University of Rochester.

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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**, *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