

# Mika Braginsky

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## EDUCATION

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- Massachusetts Institute of Technology** Sep 2016 – Present  
Ph.D. Candidate, Brain and Cognitive Sciences  
Advisor: Roger Levy
- Massachusetts Institute of Technology** Sep 2010 – June 2014  
B.S. in Computer Science and Engineering & Brain and Cognitive Sciences

## RESEARCH EXPERIENCE

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- Graduate Student Researcher** Sep 2016 – Present  
Computational Psycholinguistics Lab, MIT  
PI: Roger Levy
- Research Assistant** Sep 2014 – June 2016  
Language and Cognition Lab, Stanford University  
PI: Michael C. Frank
- Undergraduate Researcher** Sep 2013 – Aug 2014  
Computational Cognitive Science Group, MIT  
PI: Joshua Tenenbaum
- Research and Development Intern** June 2013 – Aug 2013  
Research and Development Team, Basis Technology

## AWARDS AND FELLOWSHIPS

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- Society for Language Development Student Award, awarded October 2016
- National Science Foundation Graduate Research Fellowship, awarded April 2016

## JOURNAL ARTICLES

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- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (under revision). Consistency and variability in word learning across languages. Accepted for publication at OpenMind.
- Sanchez, A., Meylan, S. C., **Braginsky, M.**, MacDonald, K. E., Yurovsky, D., Frank, M. C. (2018). childes-db: a flexible and reproducible interface to the Child Language Data Exchange System. Behavioral Research Methods.
- Bergmann, C., Tsuji, S., Piccinini, P., Lewis, M., **Braginsky, M.**, Frank, M. C., Cristia, A. (2018). Promoting replicability in developmental research through meta-analyses: Insights from language acquisition research. Child Development.
- Frank, M. C., **Braginsky, M.**, Yurovsky, D., and Marchman, V. A. (2016). Wordbank: An open repository for developmental vocabulary data. Journal of Child Language.

## BOOKS

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- Frank, M. C., **Braginsky, M.**, Marchman, V. A., Yurovsky, D. (in prep). Variability and Consistency in Early Language Learning: The Wordbank Project. Accepted for publication by MIT Press.

## PEER-REVIEWED CONFERENCE PROCEEDINGS

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- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (2016). From *uh-oh* to *tomorrow*: Predicting age of acquisition for early words across languages. In *Proceedings of the 38th Annual Conference of the Cognitive Science Society*.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (2015). Developmental changes in the relationship between grammar and the lexicon. In *Proceedings of the 37th Annual Conference of the Cognitive Science Society*.

## CONFERENCE PRESENTATIONS

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- **Braginsky, M.**, Levy, R., and O'Donnell, T. (July 2018). Evaluating models of productivity in language acquisition. Poster presented at the 40th Annual Meeting of the Cognitive Science Society. Madison, WI.
- Tsuji, S., Bergmann, C., Lewis, M., **Braginsky, M.**, Piccinini, P., Frank, M. C., and Cristia, A. (August 2017). MetaLab: A repository for meta-analyses on language development, and more. Talk presented by Sho Tsuji at Interspeech 2017. Stockholm, Sweden.
- **Braginsky, M.**, Yurovsky, D., Meylan, S., Marchman, V. A., and Frank, M. C. (April 2017). Building quantitative theories of early language using large-scale parent report data. Talk presented at the 2017 Society for Research in Child Development Biennial Meeting. Austin, TX.
- **Braginsky, M.**, Yurovsky, D., Meylan, S., Marchman, V. A., and Frank, M. C. (November 2016). Gender differences in lexical input and acquisition. Talk presented at the 41th Annual Boston University Conference on Language Development. Boston, MA.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (August 2016). From *uh-oh* to *tomorrow*: Predicting age of acquisition for early words across languages. Talk presented at the 38th Annual Meeting of the Cognitive Science Society. Philadelphia, PA.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (May 2016). Predicting age of acquisition for early words across languages. Talk presented at the XX Biennial International Congress of Infant Studies. New Orleans, LA.
- **Braginsky, M.** (January 2016). Using Shiny for exploration of Wordbank. RStudio Shiny Developer Conference. Stanford, CA.
- Tsuji, S., Bergmann, C., Cristia, A., Lewis, M., **Braginsky, M.**, and Frank, M. C. (January 2016). MetaLab: Power analysis and experimental planning in developmental research made easy. Poster presented by Sho Tsuji at the 2015 Budapest CEU Conference on Cognitive Development. Budapest, Hungary.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (December 2015). Predicting age of acquisition for early words across languages. Talk presented at the Studying Language Learning Workshop. Tübingen, Germany.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (November 2015). Developmental trajectories of vocabulary composition across languages. Poster presented at the 40th Annual Boston University Conference on Language Development. Boston, MA.
- Lewis, M., **Braginsky, M.**, Bergmann, C., Tsuji, S., Cristia, A., and Frank, M. C. (November 2015). MetaLab: A tool for power analysis and experimental planning in developmental research. Talk presented by Molly Lewis at the 40th Annual Boston University Conference on Language Development. Boston, MA.
- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (July 2015). Developmental changes in the relationship between grammar and the lexicon. Poster presented at the 37th Annual Meeting of the Cognitive Science Society. Pasadena, CA.

- Frank, M. C., Yurovsky, D., Schneider, R., **Braginsky, M.**, and Marchman, V. A. (March 2015). Studying children’s vocabulary development at scale. Talk presented by Michael Frank at the 2015 Society for Research in Child Development Biennial Meeting. Philadelphia, PA.
- Frank, M. C., Yurovsky, D., Krishna, R., **Braginsky, M.**, and Marchman, V. A. (November 2014). Wordbank: An open repository for developmental vocabulary data. Poster presented by Michael Frank at the 39th Annual Boston University Conference on Language Development. Boston, MA.

## DEPARTMENTAL PRESENTATIONS

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- **Braginsky, M.** (October 2018). Understanding productivity inferences in children and models. CogLunch, Department of Brain and Cognitive Sciences, MIT.
- **Braginsky, M.**, Levy, R., and O’Donnell, T. (October 2017). Bayesian models of productivity in acquisition. CogLunch, Department of Brain and Cognitive Sciences, MIT.

## TEACHING

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<b>Teaching Assistant</b>	Spring 2018
Laboratory in Psycholinguistics, MIT	
Instructor: Ted Gibson	
<b>Advanced Learning Assistant</b>	Fall 2011
Introduction to Electrical Engineering and Computer Science I	

## SERVICE

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| — Co-organized weekly CogLunch talk series in MIT BCS department | Sep 2017 – May 2018 |
| — Member and reviewer for Cognitive Science Society              | Feb 2015 – Present  |

## SOFTWARE

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**Wordbank** (co-creator and former primary maintainer)  
[wordbank.stanford.edu](http://wordbank.stanford.edu)  
 A database of vocabulary development data from the CDI and interactive tools for its access

**wordbankr** (co-creator and primary maintainer)  
[github.com/langcog/wordbankr](https://github.com/langcog/wordbankr)  
 An R package for accessing Wordbank

**chldesr** (co-creator and primary maintainer)  
[github.com/langcog/chldesr](https://github.com/langcog/chldesr)  
 An R package for accessing chldes-db, a database of child language corpora from CHILDES

**rwebppl** (co-creator and maintainer)  
[github.com/mhtess/rwebppl](https://github.com/mhtess/rwebppl)  
 An R interface to the WebPPL probabilistic programming language

**MetaLab** (co-creator and former primary maintainer)  
[metallab.stanford.edu](http://metallab.stanford.edu)  
 Interactive tools for community-augmented meta-analysis in cognitive development research

**ggpirate** (creator and primary maintainer)  
[github.com/mikabr/ggpirate](https://github.com/mikabr/ggpirate)  
 An R package for making informative plots of data with categorical independent variables

**tidyboot** (co-creator and maintainer)

[github.com/langcog/tidyboot](https://github.com/langcog/tidyboot)

An R package for doing tidyverse-compatible bootstrapping

*Last updated: 2019-01-28*