

Mika Braginsky

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EDUCATION

- Massachusetts Institute of Technology** Sep 2016 – Present
Ph.D. Candidate and NSF Graduate Research Fellow, Brain and Cognitive Sciences
Advisor: Ted Gibson
- Massachusetts Institute of Technology** Sep 2010 – June 2014
B.S. in Computer Science and Engineering & Brain and Cognitive Sciences

RESEARCH EXPERIENCE

- Graduate Student Researcher** Sep 2016 – Present
TedLab, MIT (PI: Ted Gibson)
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

- Angus MacDonald Award for Excellence in Undergraduate Teaching (awarded February 2019)
- Henry E. Singleton Fellowship, MIT (2017-2018)
- Society for Language Development Student Award (awarded October 2016)
- National Science Foundation Graduate Research Fellowship (awarded April 2016)

JOURNAL ARTICLES

- **Braginsky, M.**, Yurovsky, D., Marchman, V. A., and Frank, M. C. (2019). Consistency and variability in word learning across languages. *OpenMind: Discoveries in Cognitive Science*.
- Sanchez, A., Meylan, S. C., **Braginsky, M.**, MacDonald, K. E., Yurovsky, D., Frank, M. C. (2019). *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

- 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

- **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

- **Braginsky, M.**, Marchman, V. A., and Frank, M. C. (July 2020). Characterizing the relationship between lexical and morphological development. Talk to be presented at the XXII Biennial International Congress of Infant Studies. Glasgow, UK.
- Meylan, S, **Braginsky, M.**, deMayo, B., Sanchez, A., Schonberg, C., Srinivasan, M., Vlach, H., Lupyan, G., Griffiths, T., Frank, M. C. (May 2019). Wordful: Tracking early productive vocabulary growth with smartphones. Talk presented by Stephan Meylan at the 44th Annual Boston University Conference on Language Development. Boston, MA.
- **Braginsky, M.**, Marchman, V. A., and Frank, M. C. (March 2019). Demographic effects on the composition of children's early vocabulary. Talk presented at the 2019 Society for Research in Child Development Biennial Meeting. Baltimore, MD.
- **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

- **Braginsky, M.**, Marchman, V. A., and Frank, M. C. (November 2019). Characterizing the relationship between lexical and morphological development. Emerging Scholars of Psychological Science, Princeton University.
- **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

Teaching Assistant

Spring 2020, Spring 2019, Spring 2018

Laboratory in Psycholinguistics, MIT
Instructor: Ted Gibson

Workshop Instructor

July 2019

Large-scale data tools in child language acquisition
LSA Linguistic Institute 2019

Advanced Learning Assistant

Fall 2011

Introduction to Electrical Engineering and Computer Science I

SERVICE

- Reviewer for Journal of Child Language, Cognitive Science Society
 - Co-organizer of weekly CogLunch talk series in MIT BCS department
- Sep 2017 – May 2018

SOFTWARE

Wordbank (co-creator and former primary maintainer)

`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

An R package for accessing Wordbank

childesr (co-creator and primary maintainer)

github.com/langcog/childesr

An R package for accessing childe-db, a database of child language corpora from CHILDES

rwebppl (co-creator and maintainer)

github.com/mhtess/rwebppl

An R interface to the WebPPL probabilistic programming language

MetaLab (co-creator and former primary maintainer)

metalab.stanford.edu

Interactive tools for community-augmented meta-analysis in cognitive development research

ggpirate (creator and primary maintainer)

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

An R package for doing tidyverse-compatible bootstrapping

jglmm (creator and maintainer)

github.com/mikabr/jglmm

An R package for fitting generalized linear fixed effects models in Julia

Last updated: 2020-02-19