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CURRICULUM VITAE

MATTHEW MASAPOLLO

Boston University
Department of Speech, Language, and Hearing Sciences
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EDUCATION & RESEARCH POSITIONS HELD

2017- **Postdoctoral Research Associate, Boston University**, Department of Speech, Language, and Hearing Sciences, Speech Neuroscience Laboratory
Advisors: Drs. Frank Guenther and Jason Tourville

2016-17 **Postdoctoral Research Associate, Brown University**, Department of Cognitive, Linguistic, and Psychological Sciences, Metcalf Infant Research Laboratory
Advisor: Dr. James Morgan

2010-16 **Ph.D., McGill University,** School of Communication Sciences and Disorders
Dissertation: "On the nature of the natural referent vowel bias"
Committee: Drs. Linda Polka (Advisor), Lucie Ménard, and Vincent Gracco

2007-10 **B.A., University of Michigan, Ann Arbor,** Major: Linguistics
Advisors: Drs. Patrice Speeter Beddor and Andries Coetzee

PRIMARY RESEARCH AREAS

- Articulatory and acoustic phonetics
- Multisensory and sensorimotor integration in speech processing
- Development of phonetic perception and spoken word recognition
- Speech motor learning and production
- Interactions between the speech network and other cognitive systems

PEER REVIEWED PUBLICATIONS

Masapollo, M., Polka, L., & Ménard, L. (2017). A universal bias in adult vowel perception – by ear or by eye. *Cognition*, 166, 358-370.

Masapollo, M., Polka, L., Molnar, M., & Ménard, L. (2017). Directional asymmetries reveal a universal bias in adult vowel perception. *Journal of the Acoustical Society of America*, 141(4), 2857-2869.

Masapollo, M., Polka, L., & Ménard, L. (2015). When infants talk, infants listen: Pre-babbling infants prefer infant speech. *Developmental Science*, doi: 10.1111/desc.12298.

Polka, L., **Masapollo, M.** & Ménard, L. (2014). Who's talking now? Infants' perception of vowels with infant vocal properties. *Psychological Science*, doi: 10.1177/0956797614533571.

Demuth, K., Patrolia, M., Song, J.Y., & **Masapollo, M.** (2012). The development of articles in children's early Spanish: Prosodic interactions between lexical and grammatical form. *Linguistic interfaces and language acquisition in childhood*, J. Rotham & Pedro Guijarro-Fuentes (eds.), *First Language*, 32, (1-2), 17-37.

MANUSCRIPTS IN PREPARATION, SUBMITTED & UNDER REVIEW

Masapollo, M., Polka, L., Ménard, L., Franklin, L., Tiede, M., & Morgan, J. (*under review*). Asymmetries in visual vowel perception: The roles of oral-facial kinematics, orientation and configuration. *Journal of Experimental Psychology: Human Perception and Performance*.

Masapollo, M., Zhao, T.C., & Morgan, J. (*under review*). Asymmetric discrimination of tones differing in spectral proximity and dynamics: Implications for vowel perception. *Journal of the Acoustical Society of America.*

Zhao, T.C., **Masapollo, M**., & Morgan, J. (*in prep*). Asymmetrical discrimination of consonant-like bursts.

Masapollo, M., Polka, L. & Morgan, J. (*in prep*). Asymmetries in vowel perception are mediated by cognitive factors.

Polka, L., **Masapollo, M**., & Ménard, L. (*in prep*). Infants prefer vowels with infant vocal resonances: Evidence for an "articulatory filter" bias.

Masapollo, M., Ménard, L., Polka, L., & Morgan, J. (*in prep*). Disentangling the roles of prototypicality and formant proximity on asymmetries in vowel perception.

PUBLISHED CONFERENCE PROCEEDINGS

Masapollo, M., Polka, L., & Ménard, L. (2015). Asymmetries in vowel perception: Effects of formant convergence and category "goodness." *Proceedings of the 18th International Congress of Phonetic Sciences*.

Masapollo, M., Polka, L., Ménard, L., & Vouloumanos, A. (2013). Infant recognition of infant vocal signals. *Proceedings of Meetings on Acoustics,* 19, doi: 10.1121/1.4798777.

Polka, L., **Masapollo, M.**, & Ménard, L. (2013). Infants' categorization of vowels with infant vocal
properties. *Proceedings of Meetings on Acoustics*, 19, doi: 10.1121/1.4799537

CONFERENCE PRESENTATIONS

Masapollo, M., Polka, L., Morgan, J., Franklin, L., & Ménard, L. (*submitted*) Asymmetric discrimination of phonetically-incongruent audio-visual vowels. *174th Meeting of the Acoustical Society of America*, December 2017 meeting, New Orleans, LA.

Masapollo, M., Franklin, L., Morgan, J. & Polka, L. (2017) Articulatory peripherality

modulates relative attention to the mouth during visual vowel perception. *173rd Meeting of the Acoustical Society of America*, June 2017 meeting [poster], Boston, MA.

Masapollo, M., Polka, L., Ménard, L., Morgan, J. & Tiede, M. (2017) Oral-facial kinematics and configuration drive asymmetries in adult visual vowel perception. *173rd Meeting of the Acoustical Society of America*, June 2017 meeting [poster], Boston, MA.

Masapollo, M., Polka, L., Franklin, L., Ménard, L., Tiede, M., & Morgan, J. (2017) Asymmetries in visual vowel perception: The roles of oral-facial kinematics, orientation and configuration. *Language Fest*, April 2017 [poster], University of Connecticut, Storrs, CT.

Masapollo, M., Polka, L., & Ménard, L. (2016). The role of visual-phonetic information from lip movements on the natural referent vowel bias. *15th Meeting of the Association for Laboratory Phonology*, July 2016 meeting [poster], Cornell University, Ithaca, NY.

Polka, L., **Masapollo, M.**, & Ménard, L. (2016). Infants prefer vowels with infant vocal resonances: Evidence for an "articulatory filter" bias. *15th Meeting of the Association for Laboratory Phonology* [poster], Cornell University, Ithaca, NY.

Masapollo, M., Polka, L., & Ménard, L. (2016). Visual influences on the natural referent vowel bias. *171st Meeting of the Acoustical Society of America* [poster], Salt Lake City, UT.

Polka, L., **Masapollo, M.**, & Ménard, L. (2016). That sounds like me: Infants prefer vowels with infant vocal resonances. *171st Meeting of the Acoustical Society of America* [poster], Salt Lake City, UT.

Polka, L., **Masapollo, M.**, & Ménard, L. (2016). Young infants' listening preference for infant vowels: The role of voice pitch. *International Conference on Infant Studies* [lecture], New Orleans, LA.

Masapollo, M., Polka, L., & Ménard, L. (2015). Infants' preference for infant speech over adult speech suggests an experience-based "articulatory filter." *40th Annual Boston University Child Language Development Conference* [poster], Boston, MA.

Masapollo, M., Polka, L., & Ménard, L. (2015). Asymmetries in vowel perception: Effects of formant convergence and category "goodness." *18th International Congress of Phonetic Sciences* [lecture], Glasgow, Scotland.

Masapollo, M., Polka, L., & Ménard, L. (2015). Asymmetries in vowel perception: Effects of formant convergence and category "goodness", *169th Meeting of the Acoustical Society of America* [poster session], Pittsburgh, PA.

Masapollo, M., Polka, L., Rvachew, S. & Ménard, L. (2014). Insights into the development of perceptual-motor linkages for speech – a new view from data on pre-babbling infants' processing of infant speech, *14th Meeting of the Association for Laboratory Phonology*, Satellite Workshop, entitled, "Gestural coordination within and between speakers in first language phonological acquisition" [poster], Tokyo, Japan.

Masapollo, M., Polka, L., & Ménard, L. (2014). Pre-babbling infants prefer infant speech: A launch pad for the perception-production loop? *14th Meeting of the Association for Laboratory*

Phonology [lecture], Tokyo, Japan. (acceptance rate < 20%)

Masapollo, M., Polka, L., Vouloumanos, A., & Ménard, L. (2014). Look who's talking now: Intermodal matching of infant faces and voices by infants, *XIX International Congress of Infant Studies* [poster], Berlin, Germany.

Masapollo, M., Polka, L., & Ménard, L. (2014). When infants talk, infants listen: Pre-babbling infants prefer infant speech. *XIX International Congress of Infant Studies* [poster], Berlin, Germany.

Masapollo, M., & Polka, L. (2014). Asymmetries in vowel perception: Do they arise from focalization, perceptual magnets, or both? *167th Meeting of the Acoustical Society of America* [poster], Providence, R.I.

Masapollo, M., Polka, L., Vouloumanos, A., & Ménard, L. (2014). Infants' perception of source size in vowels, *167th Meeting of the Acoustical Society of America* [poster], May 2014, Providence, R.I.

Masapollo, M., Polka, L., & Ménard, L. (2014). Pre-babbling infants prefer listening to infant speech: Implications for vocal learning in humans, *167th Meeting of the Acoustical Society of America* [lecture], Providence, R.I.

Masapollo, M., Polka, L., Ménard, L., & Vouloumanos, A. (2013). Infant recognition of infant vocal signals, *21st International Congress on Acoustics* [poster], Montreal, Canada.

Polka, L., **Masapollo, M.**, & Ménard, L. (2013). Infants' categorization of vowels with infant vocal
properties, *21st International Congress on Acoustics* [poster], Montreal, Canada.

Masapollo, M., Polka, L., & Ménard, L. (2013). Who's talking now? Infants' perception of vowels with infant vocal tract parameters, *18th Mid-Continental Phonetics and Phonology Workshop* [lecture], University of Michigan, Ann Arbor, MI.

Masapollo, M., Polka, L. & Ménard, L. (2012). Infants' perception of infant vowels, *XVIII International Congress of Infant Studies* [poster], Minneapolis, MN.

INVITED TALKS AND COLLOQUIA

Masapollo, M. On the nature of the natural referent vowel bias, Speech Neuroscience Laboratory, Boston University, May 2017, Boston, MA.

Masapollo, M. On the nature of the natural referent vowel bias, Staff Talks, Haskins Laboratories, January 2017, New Haven, CT.

Masapollo, M. On the nature of the natural referent vowel bias, LingLangLunch Seminar Series, Brown University, Department of Cognitive, Linguistic, and Psychological Science, October 2016, Providence, RI.

Masapollo, M. On the nature of vowel perception, Roundtable Research Seminar, University of Washington, Institute for Learning and Brain Sciences, September 2015, Seattle, WA.

Masapollo, M. Who's talking now? Infants' perception of vowels with infant vocal properties, Canadian Conference for Linguistics Undergraduates [keynote address], McGill University, March 2014, Montreal, Canada.

Masapollo, M., Polka, L., & Ménard, L. Setting the stage for speech production: Infants' perception of infant vowels, Staff Talks, Haskins Laboratories, May 2013, New Haven, CT.

TEACHING EXPERIENCE

2017 *Language Acquisition*
Guest Lecturer, Department of Cognitive, Linguistic, and Psychological Sciences, Brown University

2015 *Speech Science*
Course Lecturer, School of Communication Sciences and Disorders, McGill University – Master's Level

2012,13,14 *Introduction to the Study of Language*
Teaching Assistant, Department of Linguistics, McGill University

2011, 12 *Introduction to Linguistics*
Teaching Assistant, Department of Linguistics, McGill University

AWARDS AND HONORS

2014 Community Leader Award, Center for Research on Brain, Language, and Music ($500)
2014 Travel Award, Association for Laboratory Phonology ($300)
2014 Travel Award, McGill University ($500)
2014 Graduate Scholar Stipend, Center for Research on Brain, Language, and Music, Does access to infant speech signals influence infant vocal behavior? An investigation using acoustic, visual, and ultrasound measures. ($3,000).
2012 Travel Award, Center for Research on Brain, Language, and Music ($750)
2010 International Doctoral Award, McGill University (tuition costs)
2010 Undergraduate Commencement Speaker, Dept. of Linguistics, University of Michigan

PROFESSIONAL SERVICE

2017- Reviewer, *Journal of Phonetics*
2013 Graduate Representative, Research Committee, School of Communication Sciences and Disorders, McGill University
2013 Paper Screening Committee, International Congress on Acoustics
2011-13 Journal Club Coordinator, Centre for Research on Brain, Language & Music, McGill University
2009-10 Undergraduate Representative, Department of Linguistics, University of Michigan

SOCIETY MEMBERSHIPS

2012- Acoustical Society of America
2012- Association for Laboratory Phonology

MEDIA COVERAGE

May & June 2015: Coverage of Masapollo *et al.,* 2015, *Developmental Science*

- **The McGill University Newsroom**
  Baby talk: babies prefer listening to their own kind
- **The Daily Mail UK**
  Shhh, mummy! Babies prefer each other's voices because it helps them learn to talk, researchers claim
- **Huffington Post UK**
  Babies prefer listening to each other than to adults – as it helps them learn to Speak
- **CBC Toronto**
  'Goo goo gaa gaa': Infants prefer baby talk, research shows
- **Smithsonian.com**
  The many ways baby talk gives infant brains a boost
- **The American Speech-Language-Hearing Association Leader**
  Babies want to listen to other babies