

McGill University  
School of Communication Sciences & Disorders  
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US Citizen  
Canadian Landed Immigrant

**Education**

- 1990 - 1991      University of British Columbia, Vancouver BC  
Developmental Psychology  
NIH Postdoctoral Fellow (W/Janet Werker)
- 1989 Ph.D.      University of South Florida, Tampa, FL  
Experimental Psychology & Communication Disorders  
Thesis: *The role of experience in speech perception: Evidence from cross-language studies with adults*
- 1982 M.A.      University of Minnesota, Minneapolis, MN  
Experimental Psychology  
Thesis: *Perceptual integration of acoustic cues that differentiate /r/ and /l/*
- 1980 B.A.      Slippery Rock State College, Slippery Rock, PA  
Psychology  
Summa cum laude

**Academic Appointments**

- 2018 – now      Affiliate Member, Psychology Department  
Concordia University
- 2014 – now      Full Professor  
School of Communication Sciences & Disorders  
McGill University
- 2010 - now      Graduate Program Director  
School of Communication Sciences & Disorders  
McGill University

1997 – 2014	Associate Professor School of Communication Sciences & Disorders McGill University
1989 - 1997	Assistant Professor School of Communication Sciences & Disorders McGill University
1983 - 1989	Graduate Research Assistant Communication Sciences & Disorders University of South Florida
1985 - 1987	Instructor Communication Sciences and Disorders University of South Florida
1981 - 1982	Instructor Psychology Department University of Minnesota

### **Clinical/Professional Experience**

1985 - 1986	Audiologist Audiology and Speech Pathology Service Veterans Administration Medical Center Bay Pines, Florida
1980	Staff Scientist Applied Science Associates Valencia, Pennsylvania

### **Honors and Awards**

2019	Fellow of the Acoustical Society of America
2019	Society for Improvement of Psychological Science Mission Award for improving psychological science in the face of challenge, as contributor to the ManyBabies1 Collaboration
1990	National Institutes of Health (USA) National Individual Research Service Award
1983	University of South Florida Graduate Alumni Scholarship
1980	Toyota 20th Year Celebration Fund Scholarship
1980	Psi Chi Outstanding Senior Award
1980	Academic Honors Council Award
1979, 1980	Lutheran Brotherhood scholarship
1979	Vending Athletic scholarship

## **Professional Affiliations**

McGill Centre for Research in Brain, Language, and Music  
International Society for Infant Studies  
American Speech and Hearing Association  
Acoustical Society of America  
American Psychological Society  
Canadian Acoustical Association  
Sigma Xi, Cognitive  
Neuroscience Society

## **Teaching**

McGill University, Communication Sciences & Disorders

Graduate courses: (earlier curriculum; quarter system):

Introduction to Clinical Audiology I  
Introduction to Clinical Audiology II (& lab)  
Middle Ear Impedance  
Differential Diagnosis  
Auditory Evoked Potentials I: theory  
Auditory Evoked Potentials II: Lab  
Instrumentation for Audiology  
Advanced Clinical Audiology & Lab  
Audiology and Aural Rehabilitation

Graduate courses: (current curriculum; semester system):

Introduction to Audiology & Aural Rehabilitation (every year)  
Anatomy & Physiology of Speech and Hearing (hearing section)  
Aural Rehabilitation  
Research Methods  
Speech Science  
Advanced Research Seminar (for PhD students)

Guest lectures:

McGill Otolaryngology Residency Training Program  
Language Acquisition Program - interdisciplinary seminar

## **Mentoring**

### Master Students

2019	Ying Ying Liu
2013	Meghan Spring
2005	Ayasha Valji
2004	Junko Ariyama

1998 Miranda Entwhistle  
1995 Neil Hockley  
1997 Connie Colantonio  
1994 Margret Orme

#### Doctoral Students

In progress Nicola Phillips  
In progress Maria Fernanda Alonso-Arteche  
In progress Yufang Ruan  
2018 Adriel John Orena, FQRNT Postdoctoral fellow at UBC  
2016 Matthew Masapollo, Assistant Professor, Department of Speech,  
Language, and Hearing Science, University of Florida, USA  
2015 Young Ja Nam, Post-doctoral fellow, Chosun University, Korea  
2010 Monika Molnar, Assistant Professor, University of Toronto  
2005 Megha Sundara, Professor, Linguistics, UCLA, USA  
2002 Beatriz Ilari, Associate Professor, Music Education University of  
Southern California, USA  
2001 Navid Shahnaz, Professor, Audiology & Speech Sciences,  
University of British Columbia; Canada

#### Post-doctoral Fellows:

2012-13 Stephanie Archer, Assistant Professor, Linguistics Department,  
University of Alberta, Edmonton Alberta, Canada  
2009-10 Meghan Clayards, Associate Professor, Linguistics &  
Communication Sciences & Disorders, McGill University, Canada  
2006-07 Andrea MacLoed, Chair, Department of Communication Sciences &  
Disorders, University of Alberta, Canada  
2004-06 Karen Mattock, Assistant professor, Department of Psychology,  
University of Western Sydney, Australia

#### External doctoral thesis examiner:

2020 Dana Bernier, University of Waterloo  
2017 Mona Faris, University of Western Sydney, Australia  
2016 Mathieu R. Saindon, University of Toronto  
2016 Hui Chen, Macquarie University, Sydney, Australia  
2015 Jie Ren, Brown University  
2013 Elizabeth Hudon, University of Ottawa  
2011 Torik Osterbye, University of Southern Denmark, Denmark  
2011 Franzo Law II, The City University of New York, USA  
2010 Rikke Louise Bundgaard-Nielsen, University of Western Sydney,  
Australia  
2010 Elizabeth Beach, University of Western Sydney, Australia  
2008 Bruno Gauthier, Université du Québec à Montréal, Québec  
2007 Jonathon Weiss, York University, Ontario  
2005 Laura Serena Smith, Queens University, Ontario

## **University and Professional Service**

### Professional & Scientific community:

2021- now	Chair, ASA Webinar Series Working Group
2019- now	Consultant on NIH-Funded project (1R0HD095912-01A1) Navigating two languages: Effects of everyday language switching on bilingual infants and toddlers
2019- now	Medals & Awards subcommittee, Acoustical Society of America
2016 – 2019	Technical Committee Chair for Speech Communication, Acoustical Society of America
2017	Member, unit cyclical review committee for McGill School of Physical & Occupational therapy
2013	Consultant, for cyclic review of the Communications Sciences & Disorders Graduate Program, University of Western Ontario
2012-13	Organizing Committee, International Congress for Acoustics 201, Montreal
2012-13	Paper review committee, International Congress for Acoustics 2013, Montreal
2012,2014,2015	Judge, Annual Science Fair, St. Georges High School, Westmount, Quebec
2010, 2015	Judge, Annual Science Fair at The Study, (girls high school), Westmount, Quebec
2009	Co-organizer Acoustical Society of America, <i>2<sup>nd</sup> Special Workshop on Speech: Cross-language speech perception and variations in linguistic experience</i> , Portland, Oregon, May 2009 (organized the scientific program)
2008	Consultant (for new infant lab) Center for Child Language, University of Southern Denmark, dense Denmark
2008	Member, Site Visit team for the National Science Foundation Science Learning Center grant (University of Washington, Seattle)
2005	Scientific Review Committee, Workshop on Plasticity in Speech perception sponsored by the International Speech Communication Association
2005	Chair and organizer for special session at the 147 <sup>th</sup> meeting of the Acoustical Society of America
2002	Student fellowships committee, Canadian Language and Literacy Network
2001	Reviewer, Certification documents prepared by the CASLPA Foundations Review Committee
1995	Selection Committee for the AG Bell Prize in Speech Communication and Behavioral Acoustics (Sponsored by The Canadian Acoustical Association)
1995	Session chair, International Congress of Phonetic Sciences

1993 Selection committee for Best Student Paper in Speech Communication at the 125th Meeting of the Acoustical Society of America

1987,1993, 2002 Session Chair - Acoustical Society of America

2019

2017,2018, 2019 Student paper competition Judge, Meetings of the Acoustical Society of America

2019 -present Member, Subcommittee for Medals & Awards, Acoustical Society of America

University:

2019 Student fellowship application reviewer: “Would you fund it?”

2011- now Executive committee and Axis leader (Communication Axis), McGill Centre for Research in Brain, Language & Music

2011-12 Search Committee to select a new director for the School for Communication Sciences & Disorders

2009-10 Faculty of Medicine Strategic Planning Committee (Life Cycle Design Group)

2006-07 Graduate and Postdoctoral Studies Standing Committee on Fellowships and Awards

2002 – 2004 Tenure Review Committee, Faculty of Education

2004-2006 Chair, Student Affairs Committee, McGill Centre for Language, Mind & Brain

2005, 2006 Pro-dean, Doctoral Oral Examination, McGill University

1997 Advisory Committee to select the director of the School of Communication Sciences and Disorders

1996 – 1997 Institutional Review Board, McGill Faculty of Medicine

1993 - 1996 Faculty Representative, McGill Graduate Studies and Research Faculty Council

1993 - 1996 Equipment Grants Subcommittee, Faculty of Graduate Studies and Research

Departmental:

2019- present SCSD Director’s Council

2010-present Chair, Research Committee

2010-present Graduate Program Director

2017-19 Research Training Enrichment Committee

2012-13 Search Committee for new faculty position

2011 Admissions Selection Committee

2008-10 Chair, Admissions Committee

2008-09 Departmental Tenure Review Committee

2008 Faculty representative to workshop on developing a partnership with Montreal Oral School for the Deaf

2000 – 2009 Executive Committee, Language Acquisition Program

2002-03 Interim Director, Language Acquisition Program

2004-05 Committee to review the Comprehensive requirement

2000 Co-chair, Recruitment and Admissions Committee  
 2002 Alumni Student Survey committee (ad hoc)  
 1995 - 1998 Coordinator of Research Students  
 1989 - 1996 Admissions Selection Committee Chair (1995-1996)  
 1992 - 1995 Recruitment and Admissions Committee Chair (1994-1995)  
 1994 Chair, Curricular Working Group for Audiology  
 1994 Audiology Task Force  
 1991 - 1994 Staff Liaison to Student Representative Council  
 1989 - 1990 Departmental Seminar Series Committee  
 1992 - 1994  
 1991, 1998 Faculty Search Committee  
 1999, 2000, 2005  
 1990 - 1991 Clinical Laboratories Committee  
 1990 - 1991 Committee on the Ph.D. Program  
 1990 - 1991 Curriculum Revision Committee  
 1989 - 1990 Director, McGill Audiology Clinic

### **Editorial Activities**

#### Editorial Boards:

*Phonetica* (2014-now)

*Frontiers in Science* (2013 – now)

*American Journal of Speech-Language & Hearing Research* (2017 – 2019)

*Canadian Acoustics* (1995-2003; 2012 – 2016)

*Journal of Phonetics* (Guest editor for special issue 2010-11)

*American Journal of Audiology* (Guest editor – 2010)

#### Ad Hoc Reviewer for submitted Manuscripts:

*Science*

*Psychological Science*

*Applied Psycholinguistics*

*Developmental Science*

*Infancy*

*Ear and Hearing*

*Brain, Language & Cognition*

*Cognition*

*Child Development*

*Pediatric Research*

*Frontiers in Language science*

*Frontiers in Human Neuroscience*

*Bilingualism: Language and Cognition*

*Developmental Cognitive Neuroscience*

*Current Directions in Psychological Science*

*Journal of Phonetics*

*Journal of the Acoustical Society of America*

*Acoustic Research Letters Online*

*Perception and Psychophysics*

*Journal of Experimental Child Psychology*  
*Journal of Experimental Psychology: Human Perception and Performance*  
*Journal of Speech, Language and Hearing Research*  
*Language and Speech*  
*Journal of Child Language*  
*Language Learning and Development*  
*Phonetica*  
*Canadian Journal of Behavioral Science*  
*Studies in Second Language Acquisition*  
*Canadian Journal of Speech-Language Pathology and Audiology*  
*Second Language Research*

Reviewer of Grant Proposals:

*Canada Foundation for Innovation*  
*Natural Sciences and Engineering Research Council of Canada*  
*Social Sciences and Humanities Research Council of Canada*  
*National Institutes of Health (NIDCD) (USA)*  
*National Science Foundation (USA)*  
*Agence National de la Recherche (France) : Young Investigators Program*  
*Swiss National Science Foundation*

## **RESEARCH**

### **Research Areas**

Speech Perception Development  
Speech Perception in Bilinguals and Second Language Learners  
Acoustic Phonetics  
Assessment of Auditory Function

### **Research Funds**

Submitted	SSRHC Insight Development Grant, <i>A platform for investigating affective communication in infants</i> , L. Polka (PI) w/M. Pell (co-investigator)
Submitted	FRQSC - Soutien aux équipes de recherche <i>Multilinguisme: les défis et les impacts cognitifs et socio-culturels</i> . \$320,000 (2021-25) S. Baum (PI) w/ D.Klein, D. Titone, N. Phillips, L. Polka, G. Luk, X. Chai, K. Byers-Heinlein (co-investigators).
2019	CRBLM incubator Grant, <i>The role of hormones in the establishment of pre-linguistic behaviors in human infants</i> (\$10,000) L. Polka (PI) w/D. McFarland; T. Nguyen, J. Sakata & A. Fortin (co-investigators)



- 2019 CRBLM incubator Grant, *The neural network analysis of infant language environments*. (\$15,000) K. Byers-Heinlein (PI), D. Klein & L. Polka (co-investigators)
- 2018 CRBLM Incubator Grant, *Language attitudes, practices, and concerns of bi/multilingual families raising infants and toddlers*, (\$15,000) L. Polka (PI) w/ K. Byers-Heinlein
- 2017- 2023 *Centre for Research on Brain, Language & Music/Centre de recherche sur le cerveau, le langage et musique*  
Fonds de recherche Québec – nature et technologie  
Fonds de recherche Québec – société et culture  
Programme de Regroupements stratégiques \$2,880,000  
D. Klein (PI) Co-Investigators: S. Baum, L. Menard, I. Peretz, L. Polka, R. Zatorre, et al
- 2018-2022 *Development of phonetic perception* (\$175,000)  
2012-2018 *Development of phonetic perception* (\$200,000)  
2006-2012 *Developmental patterns in vowel perception* (\$175,000)  
2001-2006 *Developmental changes in phonetic perception* (\$175,000)  
1994-2001 *Developmental changes in speech perception* (\$151,000)  
1991-1994 *Experiential Influences on the development of speech perception* (\$60,000)  
Natural Science & Engineering Research Council of Canada, Discovery Grant, L. Polka (PI)
- 2013 *Natural Science and Engineering Research Council of Canada, Research Tools and Instruments* (\$52,242) team grant L. Polka (PI) w/M. Pell, S. Rvachew & L. Menard
- 2015-2019 *Speech processing in bilinguals*  
Social Science & Humanities Research Council of Canada Insight Grant, L. Polka (PI) (\$200,810)
- 2011 - 2017 Co-Applicant, FQRNT Programme de Regroupements stratégiques, Principal Investigator: V. Gracco, CAD \$2,250,000, Co-Applicants: S. Baum, L. Menard, C. Palmer, I. Peretz, L. Polka, R. Zatorre, et al., Centre for Research on Brain, Language & Music/Centre de recherche sur le cerveau, le langage et la musique.
- 2003 -2012 *Beginnings in Language Acquisition: the infant's perceptual adaptation to linguistic diversity*  
Social Science & Humanities Research Council of Canada Standard research grant, L. Polka (PI)  
\$75,969 (2009-12)

- \$139,400 (2006-09)  
\$156,247 (2003-06)
- 2008 Conversational profiles between infants and caregivers: Relationship between interactional synchrony, developing attention and speech competence. (\$10,000) New research initiative grant CRLMB (w/D. McFarland, R. Panneton, & M. Pell).
- 2004-2005 Infant Speech Perception Lab  
Natural Science and Engineering Research Council of Canada Equipment Grant (\$10,185)  
L. Polka (PI)
- 2001-2006 The impact of early otitis media on infant speech perception and production skills (with S. Rvachew & K. Bloom).  
NCE: The Canadian Network for Language and Literacy  
\$50,000 per year
- 2002 The role of language experience in the development of word segmentation during infancy  
McGill Internal SSHRC Grant - \$4206
- 1994-1997 Effects of bilingualism on infant speech perception development, Fonds pour la Formation des Chercheurs et l'Aide à la Recherche New Researcher Grant - \$48,303  
L. Polka (PI)
- 1996-1997 The feasibility of implementing universal newborn hearing screening (with E. Cole, J. McKay, & A. Synnes) Montreal Westward Lion's Club - \$2500; Royal Victoria Hospital Foundation \$1000
- 1993 -1996 Bilingualism in adulthood (with F. Genesee & M. Bruck)  
Fonds pour la Formation des Chercheurs et l'Aide à la Recherche \$63,756
- 1992 Development of language-specific speech perception abilities  
Natural Sciences and Engineering Research Council of Canada & The German Research Society. Bilateral Exchange Grant - \$5,747
- 1991 Infant speech perception test equipment  
McGill Faculty of Graduate Studies and Research Equipment Grant - \$7,962.02

1991 - 1992      Speech analysis and manipulation system  
Natural Science and Engineering Research Council of  
Canada, Equipment grant - \$19,011

### **Publications (\* student)**

#### Journal articles and manuscripts (Refereed):

\*Masapollo, M., \*Franklin, L., Morgan, J.L. & **Polka, L.** (submitted). Directional asymmetries in unimodal auditory and visual vowel perception arise from cognitive encoding strategies, *Journal of the Acoustical Society of America Express Letters*

Theodore, R., \*Monto, N. R., \*Orena, A.J., & **Polka, L.** (submitted). The Language familiarity effect for voice recognition is not contingent on lexical access, *Journal of Experimental Psychology: Learning, Memory & Cognition*

**Polka, L.**, \*Molnar, M., \*Zhao, C., & \*Masapollo, M. (re-submitted), Neurophysiological correlates of asymmetries in vowel perception: an English-French cross-linguistic ERP study, *Frontiers in Human Neuroscience* (Invited paper for article collection on Phonological Representations and Mismatch Negativity Asymmetries)

\*Kremin, L.V., \*Alves, J., \*Orena, A.J., **Polka, L.** & Byers-Heinlein, K. (in press, 2021). Code-switching in parents' everyday speech to bilingual infants, *Journal of Child Language*, 1-27 doi:10.1017/S03050009210000118

\*Liu, Y., **Polka, L.**, \*Masapollo, M., & Menard, L. (2021). Disentangling the role of formant proximity and stimulus prototypicality in adult vowel perception, *Journal of the Acoustical Society of America – Express Letters* **1**, 015201 (2021); <https://doi.org/10.1121/10.0003041>

Byers-Heinlein, K., **L. Polka** and others. (2021). A multi-lab study of bilingual infants: Exploring the preference for infant-directed speech. *Advances in Methods and Practices in Psychological Science*, 4(1) 4(1) 1-30.  
DOI:10.1177/2515245920974622

ManyBabies Consortium with **Polka, L.** and 148 co-authors. (2020). Quantifying sources of variability in infancy research using the infant-directed speech preference [Registered Report]. *Advances in Methods and Practices in Psychological Science*. doi: <https://doi.org/10.1177/2515245919900809>

Ballinger, S, \*Brouillard, \*Ahojja, A. Kircher, R. **Polka, L.**, Byers-Heinlein, K. (2020) Intersections of official and family language policy in Quebec, *Journal of Multilingual and Multicultural Development*,  
<https://doi.org/10.1080/01434632.2020.1752699>

\*Orena, A.J., Byers-Heinlein, K. & **Polka, L.** (2020). What do bilingual infants actually hear? Evaluating measures of speech input to bilingual-learning 10-month-olds, *Developmental Science*, DOI:10.1111/desc.12901

McFarland, D., Fortin, A. & **Polka, L.** (2019). Physiological measures of mother-infant interactional synchrony, *Developmental Psychobiology*, 1-12. DOI: 10.1002/dev21913

\*Zhao, C.T., \*Masapollo, M., **Polka, L.** Ménard, L. & Kuhl, P (2019). Effects of Formant Proximity on the Neural Encoding of Vowels: Evidence from the Auditory Frequency-Following Response, *Brain and Language*, 194, 77-83

\*Orena, A.J., & **Polka, L.** (2019). Monolingual and bilingual infants' word segmentation in an intermixed dual-language task, *Infancy*, 1-20. DOI:10.1111/inf.12296

\*Orena, A.J., Theodore, R. & **Polka, L.** (2019). Identifying bilingual talkers after a language switch: Language experience matters, *Journal of the Acoustical Society of America- Express Letters* [doi.org/10.1121/1.5097735](https://doi.org/10.1121/1.5097735)

\*Orena, A.J., Byers-Heinlein, K. & **Polka, L.** (2019). Reliability of the Language Environment Analysis (LENA) in a French-English bilingual speech context, *Journal of Speech, Language and Hearing Science*, 1-10.

**Polka, L.** & Nazzi, T (2018). Interacting processes and developmental biases allow learners to crack the “what” code and the “who” code in spoken language. *Applied Psycholinguistics*, 39:4, 757-761. (invited commentary)

Nazzi, T. & **Polka, L.** (2018). The consonant bias in word learning is not determined by position within the word: Evidence from vowel-initial words, *Journal of Experimental Child Psychology*, 174:103-111 /DOI: [10.1016/j.jecp.2018.05.011](https://doi.org/10.1016/j.jecp.2018.05.011)

\*Masapollo, M., **Polka, L.** & Ménard, L., \*Franklin, L., Tiede, M. & Morgan, J. (2018). Asymmetries in visual vowel perception: The roles of oral-facial kinematics, orientation and configuration, *Journal of Experimental Psychology: Human Perception and Performance*. <http://dx.doi.org/10.1037/xhp0000518>

\*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 <http://dx.doi.org/10.1121/1.4981006>

\*Nam, Y, & **Polka, L.** (2016) The phonetic landscape in infant consonant perception is an uneven terrain. *Cognition*, 155, 56-66. [<http://dx.doi.org/10.1016/j.cognition.2016.06.005>]

**Polka, L.**, \*Orena, A., \*Sundara, M. & \*Worrall, J. (2016) Segmenting words from fluent speech during infancy – challenges and opportunities in a bilingual context, *Developmental Science*, 1-14 [doi: [10.1111/desc.12419](https://doi.org/10.1111/desc.12419)]

\*Kadam, M.A., \*Orena, A.J., Theodore, R.M. & **Polka, L.** (2016) Reading ability influences native and non-native voice recognition, even for unimpaired readers. *Journal of the Acoustical Society of America*, 139 (1), EL6-12. [<http://dx.doi.org/10.1121/1.4937488>]

**Polka, L.**, Bohn, O-S. & Weiss, D.J. (2015). Commentary: Kriengwatana, B., Escudero, P. & ten Cate, C. Revisiting vocal perception in non-human animals: a review of vowel discrimination, speaker voice recognition, and speaker normalization (2015) *Frontiers in Psychology* 6:941 [doi: [10.3389/fpsyg.2015.0094](https://doi.org/10.3389/fpsyg.2015.0094)]

\*Orena, A.J., Theodore, R. & **Polka, L.** (2015) Language exposure facilitates talker learning prior to language comprehension, even in adults, *Cognition*, 143, 36-40. [<http://dx.doi.org/10.1016/j.cognition.2015.06.002>]

\*Masapollo, M, **Polka, L.** & Menard, L. (2015). When infants talk, infants listen: Pre-babbling infants prefer listening to speech with infant vocal properties, *Developmental Science*. pp 1–11 [doi: [10.1111/desc.12298](https://doi.org/10.1111/desc.12298)]

**Polka, L.**, \* Masapollo, M, & Menard (2014). Who’s talking now? Infant perception of vowels with infant vocal properties, *Psychological Science*, 25 (7), 1448-1456 [doi:[10.1177/0956797614533571](https://doi.org/10.1177/0956797614533571)]

Bohn, O-S, & Polka, L. (2014). Fast phonetic learning in very young infants: what it shows and what it doesn’t show. *Frontiers in Psychology, Language Sciences*, volume 5:511 [doi: [10.3389/fpsyg.2014.00511](https://doi.org/10.3389/fpsyg.2014.00511)]

\*Molnar, M., Baum, S., **Polka, L.** & Steinhauer, K. (2013). Learning two languages from birth shapes the pre-attentive processing of speech: Electrophysiological correlates of vowel discrimination in monolinguals and simultaneous bilinguals, *Bilingualism: Language and Cognition*, 17 (3) 526-541 [doi: [10.1017/S136672891300062X](https://doi.org/10.1017/S136672891300062X)].

Nazzi, T., \*Mersad, K., \*Sundara, M., \*Iakimova, G., & **Polka, L.** (2013). Early word segmentation in infants acquiring Parisian French: task-dependent and dialect-specific aspects, *Journal of Child Language*, 1-34 [doi: [10.1017/S0305000913000111](https://doi.org/10.1017/S0305000913000111)]

Nazzi, T., \*Goyet, L., \*Sundara, M. & **Polka, L.** (2012). Différences linguistiques Et dialectales dans la mise en place des procédures de segmentation de la parole. *Enfance*, 127-146.

**Polka, L.** & \*Sundara, M, (2012). Word segmentation in monolingual infants acquiring Canadian English and Canadian French: Native language, cross-language, and cross-dialect comparisons, *Infancy*, 17(2), 198-232. [doi: [10.1111/j.1532-7078.2011.00075.x](https://doi.org/10.1111/j.1532-7078.2011.00075.x)]

Best, C., Bradlow, A., Guion, S. & **Polka, L.** (2011). Using the lens of phonetic experience to resolve phonological forms, *Journal of Phonetics*, 39 (4), 453-455. [doi: [10.1016/j.wocn.2011.08.006](https://doi.org/10.1016/j.wocn.2011.08.006)]

**Polka, L.** & Bohn, O-S. (2011). Natural Referent Vowel (NRV) framework: An emerging view of early phonetic development, *Journal of Phonetics*, 39(4), 467-478. [doi: [10.1016/j.wocn.2010.08.007](https://doi.org/10.1016/j.wocn.2010.08.007)]

\*Mattock, K, **Polka, L.** & Rvachew, S., & \*Krehm, M. (2010). The first steps in word learning are easier when the shoes fit: Comparing monolingual and bilingual infants, *Developmental Science*, 13:1 229-243. [doi: [10.1111/j.1467-7687.2009.00891.x](https://doi.org/10.1111/j.1467-7687.2009.00891.x)]

\*Shahnaz, N. Bork, L., **Polka, L.** Longridge, N., Westerberg, B., Bell, D. (2009). Energy reflectance (ER) and tympanometry in normal and otosclerotic ears, *Ear and Hearing*, 30, 219-233.

\*Shahnaz, N., Miranda, T. & **Polka, L.** (2008) Multi-frequency tympanometry in neonatal intensive care unit & well babies *Journal of the American Academy of Audiology*, 19 (5), 392-418.

Rvachew, S. \*Alhaidary, A. \*Mattock, K. & **Polka, L.** (2008), Emergence of corner vowels in the babble produced by infants exposed to Canadian English or Canadian French, *Journal of Phonetics*, 36, 564-577. [doi:10.1016/j.wocn.2008.02.001]

**Polka, L.**, Rvachew, S. & \*Molnar, M. (2008). Speech perception by 6- to 8-month-olds in the presence of distracting sound, *Infancy*, 13 (5) 421-439.

\*Sundara, M., **Polka, L.** & Molnar, M. (2008) Development of coronal stop perception: Bilingual infants keep pace with their monolingual peers, *Cognition*, 108, 232-242. [doi:10.1016/j.cognition.2007.12.013]

\*Sundara, S. & **Polka, L.** (2008) Discrimination of coronal stops by bilingual

adults: The timing and nature of language interaction, *Cognition*, 106, 234-258. [<https://doi.org/10.1016/j.cognition.2007.01.011>]

\*Mattock, K. , \*Molnar, M., **Polka, L.** & Burnham, D. (2008). The developmental time course of lexical tone perception in the first year of life, *Cognition*, 106, 1367-1381. [[doi:10.1016/j.cognition.2007.07.002](https://doi.org/10.1016/j.cognition.2007.07.002)]

Rvachew, S., Mattock, K., **Polka, L.** & Menard, L. (2006). Developmental and cross-linguistic variation in the infant vowel space: The case of Canadian English and Canadian French, *Journal of the Acoustical Society of America*, 120, 2250-2259 [DOI: 10.1121/1.2266460]

\*Sundara, M., **Polka, L.** & Baum, S. (2006) Production of coronal stops by simultaneous bilingual adults, *Bilingualism, Language and Cognition*, 9, 97-114. [[doi:10.1017/S1366728905002403](https://doi.org/10.1017/S1366728905002403)]

\*Ilari, B & **Polka, L.** (2006) Music cognition in early infancy: Infant's preferences and long-term memory for Ravel, *International Journal of Music Education*, 24, 7-20.

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Book Chapters:



**Polka, L.** \*Ruan, Y. & \*Masapollo, M. (2019). Understanding vowel perception biases – it's time to take a meta-analytic approach, In *A Sound Approach to Language Matters. In Honor of Ocke-Schwen Bohn*. Anne Mette Nyvad, Michaela Hejná, Anders Højen, Anna Bothe Jespersen & Mette Hjortshøj Sørensen (Editors); Dept. of English - School of Communication and Culture - Aarhus University, Aarhus (Open Access e-book at AU Library, © The author(s)).

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Conference Proceedings:

**Polka, L.**, Bohn, O.-S., & Kuhl, P. (2008). Encomium for Winifred Strange, *Journal of the Acoustical Society of America*, 24, 2539-2540.

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on infant babbling. Proceedings of the Canadian Acoustical Association Meeting, London, Ontario, October 12-14, 2005.

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\*Escudero, P. & **Polka, L.** (2003). A cross-language study of vowel categorization and vowel acoustics: Canadian English versus Canadian French, *Proceedings of the 15<sup>th</sup> International Congress of Phonetic Sciences*, Barcelona, Spain, 861-864

**Polka, L.** (1995). "Developmental patterns in infant speech perception" *Proceedings of the XIIIth International Congress of Phonetic Sciences*. Stockholm, Sweden, vol. 2, 148-155.

Bohn, O-S. & **Polka, L.** (1995). "What defines vowel identity in prelingual infants?" *Proceedings of the XIIIth International Congress of Phonetic Sciences*. Stockholm, Sweden, vol. 1, 130-133.

#### Invited Papers:

**Polka, L.** and Ruan, Y. (2021, March 4). The ins and outs of baby talk, *Acoustics Today*, 17 (1), 26-34

**Polka, L.** (2003). Crossing disciplines, languages, and borders, *American Psychological Society Observer* 16, 14.

#### Book Reviews:

**Polka, L.** (1997). Review: Phonological Development: The origins of Language in the Child by Marilyn May Vihman. *Journal of Phonetics*, 25 (1), 93-96.

#### Technical reports:

**Polka, L.** (1994). "Categorical perception of voice onset time in language-impaired and unimpaired adults" *McGill Working Papers in Linguistics* 10, 7-9.

Schurman, D., Joyce, R., Porsche, A. & **Polka, L.** (1980). "Predicting effectiveness of manuals designed for use by job incumbents at their work sites" Technical report of the Army Research Institute.

### **Media Coverage**

2019 *The Conversation* 'The amazing baby brain says 'pas de problème' with bilingualism, Orena, AJ, and Polka, L. July 29, 2019 5.07pm EDT

2019 *La Conversation*, Les bébés peuvent-ils apprendre deux langues en même temps? You bet! Orena, AJ and Polka, L. 12 août 2019, 09:08 EDT

2015 November *The McGill Tribune* Infants take a unique path to speech development.

2015 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*

CBC Radio: Quirks & Quarks: *Babies prefer the sound of other babies*

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*

2005 “The secret lives of babies” French documentary aired in Canada on David Suzuki’s “*Nature of Things*”

2004 “Bebes et musique” Documentary on CBC radio Canada show *Decouverte*

2003 “Baby Talk” *Today’s Parent Magazine*

2002 “*Can infants un-ravel classical music?*” TV and web story on CNN. (one of the top 10 McGill research findings in the news in 2002)

1998 “Baby Talk: Decoding the ways infants learn to listen and speak” *Newsday Magazine*

### **Invited Talks**

“Perceptual biases in consonant perception – where do we find them? What is behind them? Special session on Universal and experiential influences on phonetic perception, 178<sup>th</sup> meeting of the Acoustical Society of America, San Diego, December 2019.

“When infants encounter infant speech” Special session in memory of James J. Jenkins, 175<sup>th</sup> meeting of the Acoustical Society of America, Minneapolis, May 2018

“Understanding phonetic perception is it time to take a meta-analytic approach? “ A Sound Approach to Language Matters – A symposium in honor of Ocke-Schwen Bohn Aarhus University, Denmark June 2018

“The development of word segmentation in bilingual infants” Department of Linguistics, University of Melbourne, December 2016.

“When infants encounter infant speech”, The MARCS Institute for Brain, Behavior and Development, Western Sydney University, December 2016

“Silent no more...Bringing infant speech into the speech perception lab” Basque Centre on Cognition, Brain and Language, San Sebastian Spain, June 2016

“Asymmetries in in native and non-native speech perception - Where do we find them? What is behind them?” Keynote talk at the New Sound Conference, Aarhus Denmark June 2016

“Understanding early language Acquisition – challenges and opportunities in a bilingual context” Keynote talk at meeting on “Bilingual from Birth: Process, Pedagogy and Policy” sponsored by The Canadian Centre for Studies and Research on Bilingualism and Language Planning (CCERBAL) April 2016

“Silent no more...Bringing infant speech into the speech perception lab” Workshop on Infant Language Development, Stockholm, June 2015

“The development of phonetic perception: a journey guided by speech *input* and *intake*, invited talk at the Olomouc Linguistics Colloquium, *Palacky University Olomouc* , Czech Republic , June 3-5 2014.

“The imprint of native language rhythm on speech and music (?) processing” First annual research symposium sponsored by McGill Centre for Research in Brain, Language & Music, Montreal, May 2013.

“Navigating two languages in infancy”, International Symposium supported by The Swedish Research Council topic: Speech, Language and Cognition: State of the StArt, October 2012, Stockholm University

“Navigating two languages in infancy”, Workshop on Bilingualism and Neurocognitive Change Over the Lifespan, sponsored by the McGill Centre for Research on Brain, Language, and Music, October 2012.

“Language rhythms and speech segmentation”, Psychology department, Aarhus University, Denmark, December 2012.

“The imprint of native language rhythm on speech segmentation”, Invited talk at a workshop on Rhythms in Speech and Music, Jointly sponsored by McGill’s Centre for Interdisciplinary research in music media and technology CIRMMT and Centre for Research in Language, Mind and Brain (CRLMB), Montreal, April 2011

“Developmental differences in the use of native-language prosody for speech segmentation: Evidence from infant learners of Canadian English and Canadian French” Invited symposium, International Association for Study of Child Language, Montreal, July 2011.

“Language listening preferences: bilingual infants are more selective than their monolingual peers” Symposium on “Successfully navigating two languages: Language processing advantages in bilingual infants”, International Conference on Infant Studies, Baltimore, March 2010.

“Navigating two Languages in Infancy” Graduate Center, City University of New York, April 2010.

“The role of attention in Infant phonetic perception” Graduate Center, City University of New York, November, 2009.

“Differences in the development of speech segmentation abilities in two French dialects” International Conference on Child Language, Edinburgh July 2008.

“The role of attention in infant speech perception”  
Boys Town National Research Hospital, Omaha Nebraska, May 2008

“The role of natural referent vowels in early phonetic development” Psychology Department, Queens University, Kingston, Ontario, 2008

“Maintenance vs. “loss” of the perceptual bias favoring Natural Reference Vowels” Acoustics 08 Paris, Special session on “Cross-Language speech perception and production” Paris, June, 2008.

“Speech segmentation in French-learning infants: Language-specific and Dialect-specific patterns” Symposium on A cross-linguistic look at infant speech segmentation, International Congress of Infant Studies, Vancouver, March, 2008

“How attention impacts speech perception in infancy” Psychology Department, Virginia Tech, Blacksburg, VA Feb 2008.

“The role of attention in infant phonetic perception in infancy”, GIPSA Lab Grenoble France, October 2007.

“Natural referent vowels guide the development of vowel perception” 74<sup>e</sup> Congrès de l’ACFAS, Colloque – Le développement de la parole: de la description à la modélisation, Montreal, QC, May, 2006

“Speech perception development in native, non-native, and dual-language perceivers” The 1<sup>st</sup> Acoustical Society of America workshop on L2 speech learning, Vancouver, BC, May, 2005.

“Natural referent vowels guide the development of vowel perception” The 149<sup>th</sup> meeting of the Acoustical Society of America, special session on “Vowel systems and language learners” Vancouver, BC, May, 2005.

“Word segmentation in infants acquiring Canadian dialects of French and English” Invited workshop on early word segmentation: A cross-linguistic approach taking advantage of Europe’s linguistic diversity. Sponsored by European Science Foundation and Laboratoire Cognition et Développement CNRS, Paris, France, Feb, 2005.

“The development of vowel perception” Centre de Recherche en Neuropsychologie et Cognition (CERNEC) University of Montreal, Montreal, QC, Nov, 2004.

“Speech perception in monolingual and bilingual acquisition” Ecole d’orthophonie et Audiologie, University of Montreal, Montreal, QC, November, 2004.

“Asymmetries in vowel perception: Developmental patterns and implications” Symposium on Infant perception of native and non-native vocalic properties: vowels and tones. International Congress of Infant Studies, Chicago, May, 2004

“Speech perception and production in monolingual and bilingual acquisition” Special session on speech perception and production in monolingual and bilingual acquisition at 147<sup>th</sup> meeting of the Acoustical Society of America, New York City, May, 2004.

“Word segmentation in bilingual infants acquiring two rhythmically different languages” International symposium on Bilingualism, Arizona, May, 2003.

“Developmental patterns in speech perception” Invited lecture, Department of Educational and Counseling Psychology, McGill University, March, 2001

“Speech perception development and the role of language experience” School of Communication Sciences & Disorders, McGill University, March, 2001

“Vowel perception in the first year of life” Paper presented at the 16<sup>th</sup> International Congress on Acoustics and the 135<sup>th</sup> Meeting of the Acoustical Society of America as part of a special session on language specific influences

during infancy, Seattle, Washington, June, 1998.

"Developmental patterns in infant speech perception" Special Session on International Research in Infant Speech Perception. XIIIth International Congress of Phonetic Sciences, Stockholm, Sweden, August, 1995.

"The role of initial perceptual biases and language-specific learning in infant speech perception development" International Workshop on Transitions in Perception, Cognition, and Action in Early Infancy, Grangärde, Sweden, August, 1994.

"Developmental changes in infant speech perception" Colloquium series in the Centre for Research in Human Development - Concordia University, Montreal, Canada, March, 1994.

"Cross-language speech perception in infants" Linguistics Colloquium, University of Stockholm, Stockholm, Sweden, December, 1993.

"Developmental changes in speech perception" Canadian Society for Brain Behavior Cognitive Science, Toronto, July, 1993.

"Towards understanding different kinds of influence on cross-language speech perception in infancy" Workshop on Cross-language Speech Perception, University of South Florida, Tampa, Florida, May, 1992.

"Developmental changes in speech perception: Recent findings and new questions" Linguistics Colloquium, Christian-Albert's University, Kiel, Germany, February, 1992

### **Other refereed conference presentations**

**Polka, L.** , Masapollo, M. & Menard, L. (2020) Setting the stage for speech production: Infants prefer listening to speech sounds with infant vocal properties, *International Seminar on Speech Production* [poster]. Virtual meeting

Ruan, Y., **Polka, L.**, Orena, A.J., & Xu, K. (2020). Factors affecting the vocalization of bilingual infants across development, *179th Meeting of the Acoustical Society of America*, Dec 2020 [poster], Virtual meeting.

Molnar, M., **Polka, L.**, Zhao, C., Masapollo, M., Steinhauer, K. (2020). Asymmetric processing of between-category and within-category vowel contrasts in English and French listeners as reflected by the mismatch negativity and theta band oscillations. *Neurobiology of Language Conference*, Virtual Meeting. October 2020

Ruan, Y., Orena, A. J., Polka, L., & Xu, K. (2020). The effects of language and social contexts on bilingual infant vocalization. Poster presented at the *International Congress of Infant Studies*, Glasgow, July 2020

Brouillard, M., Ballinger, S., Ahojja, A., Kircher, R., **Polka, L.**, & Byers-Heinlein, K. (2020) Raising a bilingual infant: Parents' beliefs and concerns. Poster presented at the *International Congress of Infant Studies* in Glasgow, Scotland. July 2020

Kremin, L.V., Orena, A.J., **Polka, L.** & Byers-Heinlein, K. (2020). Changes in parental code-switching across infant development. Poster to be presented at the *International Congress of Infant Studies*, Glasgow Scotland, July 2020.

Lui, Y., Masapollo, M. Menard, L. & **Polka, L.** (2019) Factors shaping vowel perception biases in adults, *176<sup>th</sup> meeting of the Acoustical Society of America*, San Diego, December 2019

**Polka, L.** (2019) "Overview of Speech Communication Research, *176<sup>th</sup> meeting of the Acoustical Society of America*, San Diego, December 2019

Xu, K., Orena, A.J. Ruan, Y. & **Polka, L.** (2019) Factors influencing infant volubility and turn-taking in bilingual infants, Talk presented at the 2019 *Boston University Child Language Conference*, Boston, USA

Kremin, L., Orena, A.J. **Polka, L.** & Byers-Heinlein (2019) Switching It Up: Investigating Naturalistic, Infant-Directed Code-Switching, Poster presented at the 2019 *Boston University Child Language Conference*, Boston, USA

Kremin, L., Orena, AJ, **Polka, L.** & Byers-Heinlein, K. (2019) Investigating naturalistic code-switching directed towards infants, *177<sup>th</sup> Meeting of the Acoustical Society of America*, Louisville, May 2019

Xu, K., Orena, AJ, Ruan, Y, & **Polka, L.** ( 2019). The effects of parental interaction on French-English bilingual infants' vocalization and turn-taking, *177<sup>th</sup> Meeting of the Acoustical Society of America*, Louisville, May 2019

Zhao, T., Masapollo, M. **Polka, L.** & Menard, L. (2018). Effects of formant proximity and language experience on sub cortical neural encoding of vowels in adulthood, *176<sup>th</sup> meeting of the Acoustical Society of America*, Victoria, British Columbia, November 5-9.

Orena, A.J., Byers-Heinlein, K. & **Polka, L.** Using the LENA recording system to investigate speech input to bilingual infants: challenges and opportunities, Development 2018, A Canadian Conference on Developmental Psychology, St. Catherines, May 3-4.

Orena, A.J., **Polka, L.**, Srouji, J. (2018). Evaluating the LENA recording system for investigating speech input in a French-English bilingual context, *175<sup>th</sup> meeting of the Acoustical Society of America*, Minneapolis, May 7-11.



Masapollo, M., Franklin, L. Morgan, J. & **Polka, L.** (2018) Asymmetries in vowel perception arise from phonetic encoding strategies, *175<sup>th</sup> meeting of the Acoustical Society of America*, Minneapolis, May 7-11.

**Polka, L.**, Masapollo, M., Liu, YY & Noriega P. (2018). Directional Asymmetries Reveal a universal bias in infant auditory vowel perception, *Laboratory Phonology*, Lisbon, June 19-22.

**Polka, L.**, Masapollo, M., Noriega P., & Liu, Y. (2018). A universal bias in the perception of vowels by young infants, *International Congress of Infant Studies*, (poster), Philadelphia, June 30-July 3

Orena, A.J., Byers-Heinlein & **Polka, L.** (2018) How well do parent reports reflect their bilingual children's language environment? *International Congress of Infant Studies*, (poster), Philadelphia, June 30-July 3.

Orena, A.J., **Polka, L.** (2017) Segmenting words from bilingual speech: evidence from 8- and 10-month-olds, *174<sup>th</sup> meeting of the Acoustical Society of America*, New Orleans, Dec 4-8.

Masapollo, M, **Polka, L.**, Morgan, J. Franklin, L. & Menard, L. (2017) Asymmetric discrimination of phonetically-incongruent auditory-visual vowels, *174<sup>th</sup> meeting of the Acoustical Society of America*, New Orleans, Dec 4-8.

**Polka, L.** & Nam, Y. (2017) Perceptual biases shift as infants tune into phonetic categories in the first year of life, *Workshop on Infant Language Acquisition*, Bilbao Spain, June 15-17.

Orena, A.J. & **Polka, L.** (2017). Bilingual infants' word segmentation abilities in mixed dual-language context, *Workshop on Infant Language Acquisition*, Bilbao Spain, June 15-17.

Masapollo, M., **Polka, L.**, Menard, L., Morgan, J. & Tiede, M. (2017) oral-facial kinematics and configuration drive asymmetries in visual vowel perception, *Acoustics '17*, Boston, June 25-29.

Masapollo, M., Franklin, L., Morgan, J., & **Polka, L.** (2017). Articulatory peripherality modulates relative attention to the mouth during visual vowel discrimination, *Acoustics '17*, Boston, June 25-29.

Nam, Y, & **Polka, L.** (2016). Affricate-fricative perception in Korean listeners: Asymmetries are shaped by biases grounded in acoustic properties and language experience, *Acoustical Society of America* (poster; published abstract), Honolulu, Hawaii, December 2016

Monto, N. R., Theodore, R.M., Orena, A. J. & **Polka, L.** The native language benefit for voice recognition is not contingent on lexical access, *Acoustical Society of America* (poster; published abstract), Honolulu, Hawaii, December 2016

Orena, A. J., Theodore, R.M. & **Polka, L.** (2016). Language familiarity mediates identification of bilingual talkers across languages, *Acoustical Society of America* (poster; published abstract), Honolulu, Hawaii, December 2016

**Polka, L.**, \*Masapollo, M. & Menard, L. (2016). “Infants prefer vowels with infant vocal resonances: Evidence for an articulatory filter bias, *Laboratory Phonology* (poster), Ithaca New York, July 2015.

\*Masapollo, M., **Polka, L.** & Menard, L. (2016). Visual influences on the natural referent vowel bias, *Laboratory Phonology* (poster), Ithaca New York, July 2015.

**Polka, L.**, Masapollo, M. & Menard, L. (2016) “That sounds like me! Infants prefer vowels with infant vocal resonances”, *Acoustical Society of America* (poster; published abstract), Salt Lake City , Utah, May 2016.

\*Masapollo, M., **Polka, L.** & Menard, L. (2016). Visual influences on the natural referent vowel bias, *Acoustical Society of America* (poster), Salt Lake City, Utah, May 2016.

**Polka, L.** \*Masapollo, M. & Menard, L. (2016). “Infants prefer vowels with infant vocal resonances: Evidence for an articulatory filter bias”, *International Congress of Infant Studies*, (oral presentation), New Orleans, May 2016.

Archer, S., Curtin, S. & **Polka, L.** (2016) “Acoustic factors drive 9-month-old English and French infants’ discrimination of speech sound contrasts“ *International Congress of Infant Studies*, (poster), New Orleans, May 2016.

\*Masapollo, M., **Polka, L.**, & Ménard, L. (2015). Asymmetries in vowel perception: Effects of formant convergence and category “goodness’, *Acoustical Society of America*, (poster) May 2015, Pittsburgh, PA.

\*Masapollo, M., **Polka, L.**, & Ménard, L. .Asymmetries in Vowel Perception: Effects of Formant Convergence and Category “Goodness” Talk presented at the 18<sup>th</sup> International Congress of Phonetic Sciences, August 2015, Glasgow, Scotland

\*Orena, A.J., Theodore, R. & **Polka, L.**, (2015). Language exposure benefit to talker learning in an unfamiliar language, Poster presented at the 18<sup>th</sup> *International Congress of Phonetic Sciences*, Glasgow, August 2015.

\*Kadam, M., \*Orena, A.J., Theodore, R. & **Polka, L.** (2015). Gradient effects of reading ability on native and non-native talker identification, poster presented at the 18<sup>th</sup> International Congress of Phonetic Sciences, Glasgow, August 2015.

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

Masapollo, M., & **Polka, L.** Asymmetries in vowel perception: Do they arise from focalization, perceptual magnets, or both? *Acoustical Society of America* [poster session], May 2014 meeting, Providence, R.I.

Masapollo, M., **Polka, L.**, Vouloumanos, A., & Ménard, L. Infants' perception of source size in vowels, *Acoustical Society of America* [poster session], May 2014 meeting, Providence, R.I.

Masapollo, M. **Polka, L.** Vouloumanos, A. & Menard, L. Look Who's Talking Now: Intermodal matching of infant faces and voices by infants, Presented at the International Conference on Infant Studies, Berlin, July 2014

Masapollo, M., **Polka, L.**, & Ménard, L. When infants talk, infants listen: Pre babbling infants prefer infant speech, Presented at the International Conference on Infant Studies, Berlin, July 2014

Masapollo, M., **Polka, L.**, & Ménard, L. Pre-babbling infants prefer infant speech: A launch pad for the perception-production loop? *Laboratory Phonology*, July 2014 meeting [lecture], Tokyo, Japan.

Masapollo, M., **Polka, L.**, Rvachew, S. & Menard, L. Insights into the development of perceptual-motor linkages for speech: A new view from data on pre-babbling infants' processing of *infant* speech, LabPhon 14, July 28, 2014, Tokyo, Japan Satellite Workshop - Gestural coordination within and between speakers in first language phonological acquisition

McFarland, D., Polka, L. & Fortin, A.J. *Physiological Measures of Mother-Infant Interactional Synchrony*, Seminar presentation, American Speech and Language Association 2014 Convention, Orlando Florida, Nov 20, 2014.

Nam, Y. J. & **Polka, L.** Differential acoustic/perceptual salience revealed as directional asymmetries in stop/fricative perception: A cross-linguistic study, *New Sounds – International Symposium on the Acquisition of Second Language Speech*, Montreal, May 2013.

Spring, M. & **Polka, L.** The role of prosody in speech segmentation: Comparing

monolingual and bilingual adult speakers of French and English, *New Sounds–International Symposium on the Acquisition of Second Language Speech*, Montreal, May 2013.

Nam, Y.J., & **Polka, L.** The role of acoustic/perceptual salience in directional asymmetry in infant stop/fricative contrast perception, *International Congress of Acoustics*, Montreal, June 2013.

Masapollo, M. **Polka, L.**, Menard, L. & Vouloumanous. Infant recognition of infant vowel signals, *International Congress of Acoustics*, Montreal, June 2013.

Spring, M., **Polka, L.**, & Curtin, S. (2013) The role of prosody in speech segmentation : Comparisons between monolinguals and French/English bilinguals *International Congress of Acoustics*, Montreal, June 2013

**Polka, L.**, Masapollo, M. & Menard, L. (2013) Infants' categorization vowels with infant vocal properties, *International Congress of Acoustics*, Montreal, June 2013.

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