
MELANIE SODERSTROM

ASSOCIATE PROFESSOR, ASSOCIATE HEAD (GRADUATE)

Department of Psychology
P404 Duff Roblin Building
University of Manitoba
Winnipeg, MB R3T 2N2
Canada

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PROFESSIONAL HISTORY

University of Manitoba, Department of Psychology

Associate Head (Graduate), July 2014 – present
Associate Professor, April 2012 – present
Assistant Professor, July 2008 – March 2012

Ecole Normale Superieure (Paris, France)

Invited Professor November 15 – December 15, 2015

Brown University, Department of Cognitive and Linguistic Sciences

Postdoctoral Research Associate, September 2005 – June 2008
Postdoctoral Research Fellow, September 2002 – August 2005 (NRSA fellowship)

Johns Hopkins University, Department of Psychology

Ph. D. 2002

“The acquisition of inflection morphology in early perceptual knowledge of syntax”

Advisors: Peter W. Jusczyk (deceased August 2001)
Barbara Landau (2001-2002)

Committee: Gregory Ball
Margaret Bruck
Deborah Kemler Nelson
Barbara Landau
Michael McCloskey

M.A. 2000

“Effects of prosodic well-formedness on infants’ recognition of embedded syntactic units and non-units”

Advisor: Peter W. Jusczyk

Massachusetts Institute of Technology

B.S. 1998

Major: Biology

Minor: Cognitive Science

Undergraduate research experience in the laboratories of:

Ann Graybiel
Steven Pinker
Kenneth Wexler

AWARDS AND GRANTS

- University of Manitoba SSHRC Bridge Funding (2021) (\$15,000)
- SSHRC Insight Development Grant (2021-2023) (co-I, \$200,000)
- SSHRC Partnership Development Grant (2021-2023) (co-I, \$200,000)
- Manitoba COVID-19 Rapid Response Grant (2020-21) (co-I, \$248,232)
- Global Collaborative Network Grant, ManyBabies Consortium, Princeton University (co-I, US\$52,000)
- NSERC Discovery Grant (2019-2020) (\$33,000)
- Society for Improvement of Psychological Science (SIPS) 2019 Mission Award (awarded to ManyBabies 1)
- University of Manitoba: University Research Grants Program (2018) (\$7,500)
- CHRIM Small Grant (2017-2018) (\$5,000)
- Trans-Atlantic Platform Digging Into Data Award (2017-2020) (approx.. \$2,000,000)
- Research Manitoba NSERC Bridge Funding (2016-2017) (\$30,000)
- NIDCD (NIH) R01 Co-Investigator (2015-2020) (\$3,631,087 USD)
- ENS visiting professor award (2015) (~\$4000)
- University of Manitoba: NSERC Bridge Funding (2015) (\$10,000)
- SSHRC Insight Grant (2015-2020) (\$279,000)
- University of Manitoba: SSHRC Bridge Funding (2014) (\$7,500)
- University of Manitoba: UM-SSHRC Research Grants Program (\$7,000)
- University of Manitoba: Travel Grant (2014) (\$1,500)
- University of Manitoba: SSHRC Bridge Funding (2013) (\$7,500)
- Manitoba Institute of Child Health: Operating Grant (2012-2014) (\$40,000)
- University of Manitoba: University Research Grants Program (2012) (\$7,500)
- SSHRC Insight Development Grant (2011-2013) (\$74,100)
- University of Manitoba: University Research Grants Program (2011) (\$7,500)
- University of Manitoba: Travel Grant (2011) (\$504)
- NSERC Discovery grant (2010-2015) (\$120,000)
- University of Manitoba: University Research Grants Program (2009) (\$7,500)
- University of Manitoba Faculty of Arts laboratory start-up funds (2008-2010) (\$50,000)
- National Research Service Award Individual Postdoctoral Fellowship (NICHD) 2002-2005
- NSF Graduate Research Fellowship 1999-2002
- Johns Hopkins University School of Arts and Sciences Owen Fellowship 1998-2002

PEER-REVIEWED JOURNAL PUBLICATIONS

- Visser, I., Geambasu, A., Soderstrom, M., Levelt, C.C. [joint last authorship]. (submitted Stage 1 Registered Report, under revision). ManyBabies 3: A multi-lab study of infant algebraic rule learning.
- Beyak, A.A., Cadieux, O., Cook, M., Cressman, C., Jain, B., Joshi, J.A., Martin, S.L., Mielniczek, M., Montazeri, S., Sawatzky, J., Smith, B.C., Spear, J., Perera, E.I., Thompson, T., Trudel, D., Zeng, J., & Soderstrom, M. (under revision). What can we perceive in infant vocalization?
- Stienwandt, S.B., Cameron, E.E., Soderstrom, M., Casar, M., Le, C., & Roos, L.E., (under revision). Keeping Kids Busy: Family Factors Associated with Hands-On Play and Screen Time During the COVID-19 Pandemic.

- Soderstrom M., et al. (Accepted Stage 1 Registered Report). Testing the Relationship Between Preferences for Infant-Directed Speech and Vocabulary Development: A Multi-Lab Study. *Journal of Child Language*.
- The ManyBabies Consortium (Accepted Stage 1 Registered Report). Infants' Social Evaluation of Helpers and Hinderers: A Large-Scale, Multi-Lab, Coordinated Replication Study. *Developmental Science*.
- Bunce, J., Soderstrom, M., Bergelson, E., Rosemberg, C., Stein, A., Alam, F., Migdalek, M.J., Casillas, M. (submitted). A cross-cultural examination of young children's everyday language experiences.
- Bergelson, E. Soderstrom, M., Schwarz, I., Casillas, M., Cristia, A. (submitted). Everyday language input and production in 1000 children from 6 continents.
- Soderstrom, M., Casillas, M., Gornik, M., Bouchard, M., MacEwan, S., Shokrkon, A., Bunce, J. (2021). English-speaking Adults' Labeling of Child-and Adult-directed speech across languages and its relationship to perception of affect. *Frontiers in Psychology*, 12, 3723.
- Visser, I., Bergmann, C., Byers-Heinlein, K., ... Soderstrom, M., ... & Zettersten, M. (accepted). Improving the generalizability of infant psychological research: The ManyBabies model. *Behavioral and Brain Sciences*.
- Soderstrom, M. (2021). Analysis of Children's Everyday Language Experiences Using Longform Audio: Promises and pitfalls. *Journal for the Study of Education and Development (Infancia y Aprendizaje)*, 44(2), 477-501.
- Soderstrom, M., Casillas, M., Bergelson, E., Rosemberg, C., Alam, F., Warlaumont, A., & Bunce, J. (2021). A cross-cultural annotation system and metacorpus for studying infants' real world language experience. *Collabra: Psychology*, 7(1), 23445.
- Byers-Heinlein, K. ...Soderstrom, M., (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), 1-30.
- Byers-Heinlein, K., ... Soderstrom M., ... (2021). The Development of Gaze Following in Monolingual and Bilingual Infants: A Multi-Lab Study. *Infancy*, 26(1), 4-38.
- Cristia, A., Lavechin, M., Scaff, C., Soderstrom, M., Rowland, C., Räsänen, O., Bunce, J., Warlaumont, A., Bergelson, E. (2021). A thorough evaluation of the Language Environment Analysis (LENATM) system. *Behavior Research Methods*, 53(2), 467-486.
- Byers-Heinlein, K., Bergmann, C., Davies C., ... Soderstrom, M. (2020). Building a collaborative Psychological Science: Lessons from ManyBabies 1. *Canadian Psychology*, 61(4), 349-363. Role: Co-lead. GS=17.
- Cychosz, M., Romeo, R., Soderstrom, M., ... Cristia, A., Casillas, M.,... (2020). Longform recordings of everyday life: Ethics for best practices. *Behavior Research Methods*, 52(5), 1951-1969.
- The ManyBabies Consortium. (2020). Quantifying Sources of Variability in Infancy Research Using the Infant-Directed-Speech Preference. *Advances in Methods and Practices in Psychological Science*, 3(1), 24-52. Role: Co-lead of > 100 authors.
- Henrikson, B., Seidl, A., & Soderstrom, M. (2020). Perception of sibilant-liquid phonotactic frequency in full term and preterm infants. *Journal of Child Language*, 47(4), 893-907.
- Räsänen, O., Seshadri, S., Karadayi, J., Riebling, E., Bunce, J., Cristia, A., Metze, F., Casillas, M., Rosemberg, C., Bergelson, E., Soderstrom, M. (2019). Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech. *Speech Communication*, 113, 63-80.
- Cristia, A., Dupoux, E., Bernstein Ratner, N., & Soderstrom, M. (2019). Segmentability differences between child-directed and adult-directed speech: A systematic test with an ecologically valid corpus. *Open Mind*, 3, 13-22.

- Bergelson, E., Casillas, M., Soderstrom, M., Seidl, A., Warlaumont, A., Amatuni, A., (2019). What Do North American Babies Hear? A large-scale cross-corpus analysis. *Developmental Science*, 22(1), e12724.
- Rasanen O, Kakouros S, & Soderstrom M. (2018). Is infant-directed speech interesting because it is surprising? - Linking properties of IDS to statistical learning and attention at the prosodic level. *Cognition*, 178, 193-206.
- Bernier D, & Soderstrom M. (2018). Was that my name? Infants' listening in conversational multi-talker backgrounds. *Journal of Child Language*, 45(6), 1439-1449.
- Soderstrom, M., Grauer, E., Dufault, B., & McDivitt, K. (2018). Influences of Number of Adults and Adult:Child ratios on the Quantity of Adult Language Input Across Childcare Settings. *First Language*, 38(6), 563-581.
- Seidl, A., Cristia, A., Soderstrom, M., Ko, E. S., Abel, E. A., Kellerman, A., & Schwichtenberg, A. J. (2018). Infant–Mother Acoustic–Prosodic Alignment and Developmental Risk. *Journal of Speech, Language, and Hearing Research*, 61(6), 1369-1380.
- Frank, M., Bergelson, E., Bergmann, C., Cristia, A., Floccia, C., Gervain, J., Hamlin, J.K., Hannon, E.E., Kline, M., Levelt, C.C., Lew-Williams, C., Nazzi, T., Panneton, R., Rabagliati, H., Soderstrom, M., Sullivan, J., Waxman, S., & Yurovsky, D. (2017). A collaborative approach to infant research: Promoting reproducibility, best practices, and theory-building. *Infancy*, 22(4), 421-435.
- Reimchen, M., & Soderstrom, M. (2017). Do Questions Get Infants Talking? Infant Vocal Responses to Questions and Declaratives in Maternal Speech. *Infant and Child Development*, 26(3), 1-16.
- Soderstrom, M., Reimchen, M., Sauter, D. & Morgan, J.L. (2017). Do Infants Discriminate Non-linguistic Vocal Expressions of Positive Emotions? *Cognition and Emotion*, 31(2), 298-311.
- VanDam, M., Warlaumont, A. S., Bergleson, E., Cristia, A., Soderstrom, M., De Palma, P., & MacWhinney, B. (2016). HomeBank, an online repository of daylong child-centered audio recordings. *Seminars in Speech and Language*, 37: 128-142.
- Ko E, Reimchen M, Seidl A, Cristia A, Soderstrom M. (2016). Entrainment of Prosody in the Interaction of Mothers with their Young Children. *Journal of Child Language*, 43, 284-309.
- +Ko E., Seidl A, Cristia A, Reimchen M, Soderstrom M. (2016). Entrainment of Prosody in the Interaction of Mothers with their Young Children -Erratum. *Journal of Child Language*, 43, 964-965.
- Golinkoff, R., Deniz Can, D., Soderstrom, M. & Hirsh-Pasek, K. (2015). (Baby)Talk to Me: The Social Context of Infant-Directed Speech and its Effects on Early Language Acquisition. *Current Directions in Psychological Science*, 24(5), 339-344.
- Soderstrom, M. (2015). All hands on deck: In defense of the prosodic bootstrapping hypothesis and multiple theoretical approaches (Commentary on Ambridge, Pine and Lieven). *Language*, 90(3), e126-e130.
- Cristia, A., Seidl, A., Junge, C., Soderstrom, M., & Hagoort, P. (2014). Predicting individual variation in language from infant speech perception measures. *Child development*, 85(4), 1330-1345.
- Soderstrom, M., & Wittebolle, K. (2013). When Do Caregivers Talk? The Influences of Activity and Time of Day on Caregiver Speech and Child Vocalizations in Two Childcare Environments. *PloS one*, 8(11), e80646.
- Ko, E.-S., & Soderstrom, M. (2013). Additive effects of lengthening on the utterance-final word in child-directed speech. *Journal of Speech Language and Hearing Research*, 56, 364-371.
- Soderstrom, M., Ko, E.-S., & Nevzorova, U. (2011). It's a question? Infants attend differently to yes/no questions and declaratives. *Infant Behavior and Development*, 34, 107-110.
- Soderstrom, M., Conwell, E., Feldman, N., & Morgan, J.L. (2009). The learner as statistician: Three principles of computational success in language acquisition. *Developmental Science*, 12(3), 409-411.

- Ko, E.-S., Soderstrom, M., & Morgan, J.L. (2009). Development of perceptual sensitivity to extrinsic vowel duration in American English. *Journal of the Acoustical Society of America Express Letter*, 126(5), EL134-EL139.
- Soderstrom, M., Blossom, M., Foygel, I., & Morgan, J.L. (2008). Acoustical cues and grammatical units in speech to two preverbal infants. *Journal of Child Language*, 35, 869-902.
- Soderstrom, M. (2008). Early perception-late comprehension? The case of verbal -s (A response to de Villiers & Johnson, 2007). *Journal of Child Language*, 35, 671-676.
- Soderstrom, M. & Morgan, J.L. (2007). Twenty-two-month-olds discriminate fluent from disfluent adult-directed speech. *Developmental Science*, 10, 641-653.
- Soderstrom, M., White, K.S., Conwell, E. & Morgan, J.L. (2007). Receptive grammatical knowledge of familiar content words and inflection in 16-month-olds. *Infancy*, 12, 1-29.
- Soderstrom, M. (2007). Beyond babytalk: Re-evaluating the nature and content of speech input to preverbal infants. *Developmental Review*, 27, 501-532.
- Soderstrom, M., Kemler Nelson, D. G., & Jusczyk, P. W. (2005). Six-month-olds recognize clauses embedded in different passages of fluent speech. *Infant Behavior and Development*, 28, 87-94.
- Soderstrom, M., Seidl, A., Kemler Nelson, D. G., & Jusczyk, P. W. (2003). The prosodic bootstrapping of phrases: Evidence from prelinguistic infants. *Journal of Memory and Language*, 49, 249-267.

INVITED PUBLICATIONS, BOOK CHAPTERS AND PROCEEDINGS

- Soderstrom, M. & Bortfeld, H. (2021). *Prosody in infant- and child-directed speech*. In C. Gussenhoven & A. Chen (Eds.) Oxford Handbook of Language Prosody. Oxford University Press.
- Soderstrom, M., & Blom, E. (Eds. 2020). The influence of input quality and communicative interaction on language development, Parts 1 and 2. *Journal of Child Language*, Vols. 47, 48.
- Golinkoff, R. M., Soderstrom, M., Deniz Can, D., & Hirsh-Pasek, K. (2018). Visual preference techniques. In A. M. B. de Groot & P. Hagoort (Eds.), *Research methods in psycholinguistics and the neurobiology of language* (pp. 18-39). NY: Wiley Blackwell.
- Soderstrom, M. (2014). Child-directed speech (features of). In P. Brooks, & V. Kempe (Eds.), *Encyclopedia of language development*. (Vol. 3, pp. 83-86). Thousand Oaks, CA: SAGE Publications, Inc. doi: <http://dx.doi.org/10.4135/9781483346441.n26>
- Soderstrom, M. (2009). Changement de fonction des elements prosodiques au cours du développement : du tout vers la partie et de la partie vers le tout [Changing roles for prosodic information across development: From wholes to parts and back again]. *Enfance*, 2009(3), 273-281.
- Soderstrom, M., & Morgan, J.L. (2008) Twenty-two month olds detect verb-noun exchanges in fluent speech: Evidence for category preferences for familiar content words. In *Proceedings of the 32nd Annual Boston University Conference on Language Development*, pp. 462-468. Somerville, MA: Cascadilla Press.
- Soderstrom, M., Mathis, D. & Smolensky, P. (2006). Abstract genomic encoding of universal grammar in Optimality Theory. In *The harmonic mind: From neural computation to Optimality-Theoretic grammar, Vol. 2, Linguistic and philosophical implications*, Paul Smolensky and Géraldine Legendre, pp. 403-471. Cambridge, MA: MIT Press.
- Soderstrom, M. & Morgan, J.L. (2006). Toddlers are sensitive to prosodic correlates of disfluency in spontaneous speech. In *Proceedings of Speech Prosody '06*. Dresden, Germany, May 2-5.
- Soderstrom, M. & Morgan, J.L. (2005). Disfluency in speech input to infants? The interaction of mother and child to create error-free speech input for language acquisition. In *Proceedings of DiSS'05*. Aix-en-Provence, France, September 10-12.
- Soderstrom, M., Wexler, K. & Jusczyk, P.W. (2002). English-learning toddlers' sensitivity to agreement morphology in receptive grammar. In B. Skarabela, S. Fish, & A. H.-J. Do (Eds.), *Proceedings of the 26th Annual Boston University Conference on Language Development, Vol. 2* (pp. 643-652). Somerville, MA: Cascadilla Press.

- Soderstrom, M., Mathis, D., & Smolensky, P. (2001). Toward computational empirical testing of linguistic innateness: Abstract genomic encoding of an optimality-theoretic grammar. *Proceedings of the Third International Conference on Cognitive Science, Beijing, China* (pp. 14-25). Beijing: University of Science and Technology of China Press.
- Soderstrom, M., Jusczyk, P.W., & Kemler Nelson, D. (2000). Evidence for the use of phrasal packaging in English-learning 9-month-olds. *Proceedings of the 24th Annual Boston University Conference on Language Development, Vol. 2*. Somerville, MA: Cascadilla Press.
- Soderstrom, M., Jusczyk, P.W., & Wexler, K. (2000). 19-month olds' sensitivity to negation/tense dependencies. In L.R. Gleitman & A.K. Joshi (Eds.), *Proceedings of the 22nd Annual Conference of the Cognitive Science Society*, (p. 1056). Mahwah, NJ: Lawrence Erlbaum.
- Ganger, J., Wexler, K., & Soderstrom, M. (1998). The genetic basis for the development of tense: A preliminary report on a twin study. A. Greenhill, M. Hughes, H. Littlefield, & H. Walsh (eds.). *Proceedings of the 22nd Annual Boston University Conference on Language Development, Vol. 1* (pp. 224-234). Somerville, MA: Cascadilla Press.

RESEARCH CONFERENCE PRESENTATIONS

- Soderstrom, M., Stein, A., Bergelson, E., Rosemberg, C., Bunce, J., Casillas, M., (2021, July). Quantitative measures of child-directed speech across language communities. International Association for the Study of Child Language conference, online.
- Soderstrom, M., Bergelson, E., Casillas, M., Bunce, J., Rosemberg, C. (2021, July). The ACLEW DAS: An annotation system for longform audio recordings. International Association for the Study of Child Language conference, online.
- Soderstrom, M. (2021, July). Many Babies: Benefits and challenges of large-scale collaborative infancy research. International Association for the Study of Child Language conference, online.
- Soderstrom, M., Capelier-Mourguy, A., Tsui, A.S. (2021, March). *Testing the relationship between IDS preference and vocabulary development: An MBI Follow-up study*. Society for Research in Child Development, online.
- Soderstrom, M. (2020, January). *ACLEW: Analyzing child language experiences around the world*. Round Four Digging into Data Challenge Conference. Alexandria, VA.
- Soderstrom, M. (2019). ManyBabies1: Infants' preference for infant-directed speech. *The Journal of the Acoustical Society of America*, 145(3), 1728-1728.
- Soderstrom, M., Casillas, M., Bergelson, E., Kirby, J., Rosemberg, C., Stein, A., ... & Bunce, J. (2019). Quantifying child directed speech cross-culturally across development. *The Journal of the Acoustical Society of America*, 145(3), 1763-1763.
- VanDam, M., De Palma, P., Soderstrom, M., Casillas, M., Cristia, A., Bergelson, E., ... & MacWhinney, B. (2019). Daylong acoustic recordings of family and child speech using the HomeBank database. *The Journal of the Acoustical Society of America*, 145(3), 1729-1729.
- Kline, M., & Soderstrom, M. (2019, March). *Lessons from the first ManyBabies project*. Society for Research in Child Development, Baltimore, USA.
- Bunce, J., Casillas, M., Bergelson, E., Kirby, J., Rosemberg, C., Stein, A., Warlaumont, A., & Soderstrom, M. (2019, March). *A cross-cultural examination of child directed speech across development*. Society for Research in Child Development, Baltimore, USA.
- Soderstrom, M. (moderator, roundtable) (2019, March). *What Works? Creative Strategies for Recruitment of Infant Participants*. Society for Research in Child Development, Baltimore, USA.
- Soderstrom, M. (2018, October). *Making use of largescale naturalistic audio recording: HomeBank and the DARCLE Annotation Scheme*. DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science, Phoenix, USA.
- Kline, M., Soderstrom, M., Chartier, C. (2018, October). *Large collaborations in experimental psychology - ManyBabies and the Psychological Science Accelerator*. DEVSEC: Conference on the Use of Secondary and Open Source Data in Developmental Science, Phoenix, USA.

- The ManyBabies Consortium. (2018, July). *ManyBabies: Collaborative Research in Developmental Science as a Productive Response to the "Replication Crisis"*. International Congress on Infant Studies, Philadelphia, USA.
- Soderstrom, M. (2018, August). *Examining cross-linguistic and cross-cultural similarities and differences in the language environments of infants and toddlers*. Encuentro sobre Lenguaje, Cognición e Interacción social en la primera infancia, Buenos Aires, Argentina
- Rasanen O, Kakouros S., Soderstrom, M. (2017, July). *Connecting stimulus-driven attention to the properties of infant-directed speech — Is exaggerated intonation also more surprising?* Cognitive Science, London, United Kingdom
- MacWhinney B, Cristia A, Soderstrom, M., Casillas M. (2017, July). *HomeBank: An online repository of daylong child-centered audio recordings*. International Congress for the Study of Child Language, Lyon, France
- Henrikson B, Seidl A., & Soderstrom, M. (2017, April). *Comparing Preterm and Full Term Infants' Sensitivity to Sibilant-Liquid Phonotactics*. Society for Research in Child Development, Austin, USA.
- Binion G., Adolph K., Gilmore R., Oakes L., Vazire S., & Soderstrom, M. (2017, April). *Openness, Replication, & Data Reuse in Developmental Science - Unique Challenges, Existing Resources, & What is Still Needed*. Society for Research in Child Development, Austin, USA.
- McDivitt K., Holt A., Whyte M., & Soderstrom, M. (2017, April). *The language environment of infants of young mothers: A preliminary report*. Society for Research in Child Development, Austin, USA.
- Cristia, A., Soderstrom, M., Daland, R., Saksida, A., Johnson, M., Thiolliere, R., Cao, X.N., Bernstein Ratner, N., & Dupoux, E. (2016, May). *Child-Directed Speech is not Intrinsically Easier to Segment than Adult-directed Speech*. International Congress on Infant Studies, New Orleans, USA.
- Grauer, E., McDivitt, K., Dufault, B., & Soderstrom, M. (2016, May). *Differences in the Influence of Adult:Child Ratios on Language Input Across Childcare Settings*. International Congress on Infant Studies, New Orleans, USA.
- Frohlich, J., McDivitt, K. & Soderstrom, M. (2016, May). *Comparing Parents' and Teachers' Reporting of Productive Vocabulary in Toddlers*. International Congress on Infant Studies, New Orleans, USA.
- Bernier, D., & Soderstrom, M. (2016, May). *9- and 12-month-olds Perceive Names but not Sentences in a Conversational Multi-talker Background*. International Congress on Infant Studies, New Orleans, USA.
- Soderstrom, M., Henrikson, B. & Seidl, A. (2016, May). *Comparing Preterm and Full Term Infants' Sensitivity to Sibilant-Liquid Phonotactics*. International Congress on Infant Studies, New Orleans, USA.
- Soderstrom, M. & Franz, W. (2016, May). *Daycare vs. Home: Comparing Human- and Machine-annotated Language Input Across Childcare Settings*. International Congress on Infant Studies, New Orleans, USA.
- Soderstrom, M. (2015, December). *Ethics in Data Collection with Intensive and Extensive Samples of Child Language: Consent, Sharing and Privacy*. Workshop on Extensive and Intensive Child Language Environments, Paris, France.
- Soderstrom, M. (2015, December). *Comparing child-directed and child-overheard speech across childcare contexts*. Workshop on Extensive and Intensive Child Language Environments, Paris, France.
- Bernier, D., & Soderstrom, M. (2015, March). *9- and 12-month-olds fail to perceive sentences in a multitalker background*. Society for Research in Child Development, Philadelphia, PA.

- Bernier, D., & Soderstrom, M. (2014, November). *9- and 12-month-olds fail to perceive infant-directed speech in an ecologically valid multi-talker background*. Boston University Conference on Language Development, Cambridge, MA
- Soderstrom, M. (2014, July). *Understanding LENA: Automated largescale analysis of language input*. International Congress for the Study of Child Language, Amsterdam, Netherlands.
- Soderstrom, M. & Reimchen, M. (2014, July). *Infant Vocal Responses to Questions and Declaratives in Maternal Speech*. International Congress for the Study of Child Language, Amsterdam, Netherlands.
- Ko, E.-S., Reimchen, M., Cristia, A., Seidl, A., & Soderstrom, M. (2014, July). *Prosodic entrainment in mother-child conversation*. International Congress for the Study of Child Language, Amsterdam, Netherlands.
- Bernier, D.B., & Soderstrom, M. (2014, May). *The clarity of language input to toddlers across childcare settings*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Bernier, D.B., & Soderstrom, M. (2014, May). *9- and 12-month-olds Fail to Perceive Infant-Directed Speech in an Ecologically Valid Multi-Talker Background*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Soderstrom, M. (2014, May). *Examining language environments across childcare settings*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Lee, J.B., Soderstrom, M., & Eaton, W. (2014, May). *Examining North American Elimination Communication practices*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Ko, E.-S., Seidl, A., Cristia, A., Reimchen, M., & Soderstrom, M. (2014, May). *Initiator and entrainment effects in mother-toddler interactions*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Soderstrom, M., Wittebolle, K. & Simon, M. (2013, April). *Similarities and differences in linguistic environment across three childcare settings*. Society for Research in Child Development, Seattle, WA.
- Bacala, L., Golinkoff, R., & Soderstrom, M. (2013, April). *8-month-olds recognize inflections but fail to use them for segmentation*. Society for Research in Child Development, Seattle, WA.
- Soderstrom, M., Sauter, D., & Reimchen, M. (2013, April). *Infants' discrimination of vocal expressions of relief and triumph across cultures*. Society for Research in Child Development, Seattle, WA.
- Ko, E.-S., Reimchen, M., Seidl, A., Cristia, A., & Soderstrom, M. (2013, April). *Acoustic convergence and initiator effects in mother-infant conversational blocks*. LENA Users' Conference, Denver, CO.
- Soderstrom, M., Wittebolle, K. & Simon, M. (2013, April). *Comparing the language environments of home and daycare settings: A LENA-based and transcription-based analysis*. LENA Users' Conference, Denver, CO.
- Soderstrom, M. & Bhaskaran, J. (2012, June). *Revisiting the is-ing/can-__ Dependencies: Implicit dependencies and the importance of stimulus characteristics*. International Conference on Infant Studies, Minneapolis, MN.
- Höhle, B., Kutscher, V., Lekow, C., Schröder, C., & Soderstrom, M. (2012, June). *Sensitivity to subject-verb agreement in German learning infants*. International Conference on Infant Studies, Minneapolis, MN. International Conference on Infant Studies, Minneapolis, MN.
- Ko, E.-S., Soderstrom, M. & Bacala, L. (2012, June). *The salience of phrase-final cues in infant-directed speech: Evidence from perception*. International Conference on Infant Studies, Minneapolis, MN.
- Bhaskaran, J. & Soderstrom, M. (2011, November). *Infants and implicit dependency relationships: The infant can show __ preferences*. 36th Annual BU Conference on Language Development, Boston, MA.

- Soderstrom, M., & Bernier, D. (2011, July). *Comparing and contrasting the daycare and home environments using LENA*. 12th International Congress for the Study of Child Language. Montreal, QC.
- Soderstrom, M. & Bhaskaran, M. (2011, June). *Infants detect dependency relationships in the absence of an explicit inflectional marker*. Canadian Society for Brain, Behavior and Cognitive Science. Winnipeg, MB.
- Soderstrom, M. (2011, March). *Effects and Non-effects of Non-maternal Child-care on the Language Environment and Child Vocalizations*. Society for Research in Child Development. Montreal, QC.
- Soderstrom, M. (2011, March). *Early Acquisition of Morpho-Syntax: Categories, Dependencies and Movement (Discussant)*. Society for Research in Child Development. Montreal, QC.
- Soderstrom, M., Ko, E.S., & Nevzorova, U. (2010, June). *Infants' response to declarative and question intonation under low-pass filtered conditions*. Annual Convention of the Canadian Psychological Association, Winnipeg, MB.
- Soderstrom, M., Ko, E.S., & Nevzorova, U. (2010, March) *Infants Discriminate Yes/No Questions from Declaratives?* 17th Biennial Conference on Infant Studies, Baltimore, MD.
- Soderstrom, M., Bhaskaran, J.S., & Cheung, K. (2010, March) *Comparing the Language Environments of Daycare and Home: A Preliminary Report*. 17th Biennial Conference on Infant Studies, Baltimore, MD.
- Soderstrom, M. & Bach, R. (2009, November). *Turn-taking in infancy: Are mother-infant interactions really 'conversational'?* 34th Annual BU Conference on Language Development, Boston, MA.
- Ko, E.-S., Soderstrom, M., & Morgan, J.L. (2009, November). *Development of infants' perceptual sensitivity to the vowel length effect*. 34th Annual BU Conference on Language Development, Boston, MA.
- Ko, E.-S., Soderstrom, M., & Morgan, J.L. (2009, June). *Sensitivity to extrinsic vowel duration develops between 8 and 14 months*. Child Phonology Conference, Austin, Texas.
- Soderstrom, M., Sauter, D., & Morgan, J.L. (2008, May). *Understanding relief and achievement: Infants' discrimination and crossmodal perception of two positive affective expressions*. 16th Biennial Conference on Infant Studies, Vancouver.
- Soderstrom, M. (2008, May). *How infants acquire grammatical categories: The role of distributional, prosodic and phonotactic information in the acquisition of noun and verb categories (symposium chair)*. 16th Biennial Conference on Infant Studies, Vancouver.
- Morgan, J.L., & Soderstrom, M. (2007, November). *Twenty-two month olds detect verb-noun exchanges in fluent speech: Evidence for category preferences for familiar content words*. 32nd Annual Boston University Conference on Language Development, Boston.
- Soderstrom, M. (2006, November). *Twenty-two-month-olds discriminate fluent from disfluent adult-directed speech based on prosodic characteristics*. 31st Annual Boston University Conference on Language Development, Boston.
- Soderstrom, M. & Morgan, J. (2006, May). *Toddlers are sensitive to prosodic correlates of disfluency in spontaneous speech*. Third International Conference on Speech Prosody, Dresden.
- Soderstrom, M., White, K. & Conwell, E. (2005, November). *Evidence for grammatical knowledge of content words in 16-month-olds*. 30th Annual Boston University Conference on Language Development, Boston.
- Soderstrom, M., & Morgan, J.L. (2005, September) *Disfluency in speech input to infants? The interaction of mother and child to create error-free speech input for language acquisition*. DiSS'05, Aix-en-Provence.
- Soderstrom, M., White, K., Conwell, E., & Morgan, J. (2005, July). *Sixteen-month-olds are beginning to form categories of "noun" and "verb"*. IASCL 2005, Berlin.

- Soderstrom, M., Foygel, I., & Morgan J.L. (2004, May). *Variability in the input: Prosodic cues to syntax in different input environments*. 14th Biennial International Conference on Infant Studies, Chicago.
- Soderstrom, M., Seidl, A., Kemler Nelson, D.G., & Morgan, J. (2003, April). *Exploring Infants' Sensitivity to the Prosodic Contours of Phrases*. BOOT-LA workshop, University of Indiana.
- Soderstrom, M. (2002, April). *Prosodic packaging of syntactic units in infants' speech processing*. Memorial Symposium for Dr. Peter W. Jusczyk, 13th Biennial International Conference on Infant Studies, Toronto.
- Soderstrom, M., Jusczyk, P. W., & Wexler, K. (2001, November). *English-learning toddlers' sensitivity to agreement morphology in receptive grammar*. 26th Annual Boston University Conference on Language Development, Boston.
- Soderstrom, M., Jusczyk, P. W., & Wexler, K. (2000, August). *19-Month-Olds' sensitivity to negation/tense dependencies*. Cognitive Science Society 22nd Annual Meeting, Philadelphia.
- Soderstrom, M., Jusczyk, P. W., & Wexler, K. (2000, March). *19-Month-Olds' understanding of the negation/adverbial difference*. Eastern Psychological Association 71st Annual Meeting, Baltimore.

OTHER RESEARCH/SCHOLARLY PRESENTATIONS

- Soderstrom, M. (2012, November). *Using LENA to examine language learning environments*. University of Manitoba, Department of Linguistics.
- Soderstrom, M. (2011, March). *Examining the language environment across child care settings*. University of Manitoba, Department of Psychology.
- Soderstrom, M. (2011, April). *Examining the language environment across child care settings: Some effects and non-effects on quality and quantity*. McGill University.
- Soderstrom, M. & Bhaskaran, J.S. (2010, April). *Comparing daycare and home environments using the LENA system: A preliminary report*. LENA users' conference, Denver, CO.
- Soderstrom, M. (2009, May). *The Development of Infant Speech Perception: What practitioners should know*. Adolescent Parent Interagency Network 2009 Conference, Winnipeg.

MEDIA APPEARANCES

- <https://theconversation.com/why-a-little-baby-talk-is-good-for-your-toddler-133412>
- CTV MedicalWatch, November, 2019
- CTV Tots to Teens, July, 2017
- Global Morning News, February 2014
- CTV Morning Live, February 2014
- Today's Parent, February 2013
- Today's Parent, September 2012
- CTV News Winnipeg Small Wonders, July 26, 2012
- CBC's Definitely Not the Opera, May 15, 2010
- University of Manitoba Research Life, Summer 2009, Vol. 2, pages 18-21.

RESEARCH MENTORSHIP

- Postdoctoral Supervisor:** Dr. Ludivine Glas (2021--)
Dr. John Bunce (2017-2019)
- Ph.D. Advisor:** Karmen McDivitt (2016--)
Sara Montazeri (2019--)
- Masters Advisor:** Mercedes Casar (2018--)

Megan Gornik (2020--)
Brenna Henrikson (2015-2017)
Karmen McDivitt (2014-2016)
Melissa Reimchen (2011-2013)
Dana Bernier (2010-2013)
Melissa Wong (2009-2011)
Ph.D. defense committee: Saeed Ghaniabadi (2010) *Linguistics*
Moh'D Al-Omri (2016) *Linguistics*
Masters thesis committee: Irlanda Gomez (2020--)
Lindsay Rosenberg (2016-2018)
Marta Krygier (2015-2016)
Jennifer Barnes (2014-2016)
Jennifer Schultz (2008-2009)
Trudy Mitton (2010) *Linguistics*
Honors thesis advisor: Abby Wilcoxon (2020-2021)
Cindy Le (2020-2021)
Megan Gornik (2019-2020)
Elise Lowden (2018-2019)
Alexis Bouchard (2018-2019)
Mercedes Casar (2017-2018)
Janelle (Bo Ram) Lee (2015-2016)
Amy Wachtendorf (2015-2016)
Jacquelyn Klassen (2015-2016)
Alex Holt (2015-2016)
Michael Whyte (2015-2016)
Daniele Sing (2014-2015)
Alycia Rodrigues (2014-2015)
Jona Frohlich (2014-2015)
Jamie MacDonald (2013-2014)
Daniel Foidart (2011-2012)
Louis Dubé (2011-2012)
Joanna Bhaskaran (2010-2011)
Alexis Kozak (2010-2011)
Kelsey Wittebolle (2010-2011)
Dana Bernier (2009-2010)
Uliana Nevzorova (2009-2010) (co-advisor)
Rachel Bach (2008-2009)

TEACHING PROFESSIONAL DEVELOPMENT

University of Manitoba New Faculty Program, 2008-2009
Northeastern University Teaching Circle, Spring 2008

TEACHING

Introductory and lecture classes:

Language Acquisition

University of Manitoba, winter 2019 [PSYC 3860/LING 3860 A01]
University of Manitoba, winter 2017 [PSYC 3860/LING 3860 A01]
University of Manitoba, winter 2016 [PSYC 3860/LING 3860 A01]
University of Manitoba, fall 2013 [PSYC 2860/LING 2860 A01]

University of Manitoba, winter 2012 [PSYC 2860/LING 2860 A01]

Child Development

University of Manitoba, winter 2019 [PSYC 2290 A02]

University of Manitoba, fall 2016 [PSYC 2290 A02]

University of Manitoba, winter 2011 [PSYC 2290 A01]

University of Manitoba, fall 2010 [PSYC 2290 A01]

University of Manitoba, winter 2009 [PSYC 2290 A01]

University of Manitoba, fall 2008 [PSYC 2290 A01]

Adolescent Development

University of Manitoba, winter 2014 [PSYC 2310, A02]

University of Manitoba, fall 2013 [PSYC 2310 A01, A02]

Cognition

Northeastern University, spring 2008

Northeastern University, fall 2007

Speech and Language Development

Rhode Island College, fall 2006

Children's Thinking: The Nature of Cognitive Development

Brown University, summer 2003

Graduate and undergraduate seminars:

Naturalistic Approaches to the Study of Child Language Across Cultures and Contexts

University of Manitoba, winter 2021 [4540 T05, 7310 T07]

Open and Collaborative Science: Theory and Practice

University of Manitoba, winter 2020 [4540 T39, 7310 T34]

The New Cognitive Psychology: From Big Data to the Replication Crisis

University of Manitoba, winter 2018 [4540 T27, 7310 T26]

History and Theory in Development Psychology

University of Manitoba, winter 2015 [4540 T05, 7310, T01]

Advanced Developmental Psychology

University of Manitoba, winter 2011 [4600 T01, 7470 A01]

Contemporary Issues I

Infant Speech Perception

University of Manitoba, winter 2009 [4540 T01]

Seminar in Cognition

Beyond Babytalk: Parental Speech and Speech Input to the Infant

Northeastern University, spring 2008

Topics in Cognitive Science Section 1: Psycholinguistics

The Speech Input Environment of Infants

Brown University, spring 2005

Topics in Language Acquisition

Syntax Acquisition in the Receptive Domain

Brown University, spring 2004

Co-taught with Dr. James Morgan

PROFESSIONAL ASSOCIATIONS

- Heterodox Academy (2019 – present)
- Linguistics Society of America (2017 – 2019)
- Children's Hospital Research Institute of Manitoba (2009 – present)
- Society for Research on Child Development (2010 – present)

- Canadian Psychological Association (2009 – present)
- International Association for the Study of Child Language (2005 – present)
- International Society on Infant Studies (2002 – present)
- American Psychological Association (2000 – 2014)
- Cognitive Science Society (2000 – 2009)

PROFESSIONAL SERVICE

EL1000 Advisory Board Member (2020 – present) **EL1000 dataset reuse approval board

PLAY Collaborating Investigator (2017 – present)

Editorial Board, Language Development Research: An Open Science Journal (2020 – present)

Associate Editor, Journal of Child Language (2016 - present)

DARCLE (Daylong AudioRecording of Child Language Environments) Board member (2015-present)

University of Manitoba Senate Appeals Committee (2016 – present)

University of Manitoba Faculty Association Representative (2010 – present)

University of Manitoba Psychology-Sociology Research Ethics Board (2010 – 2014, 2016 – present)

Psychology Department Service

Rules & Procedures/Nominating (2014-2015)

Public Relations (2014-2015)

Graduate Admissions, Fellowships and Scholarships (Winter 2011)

Curriculum and Instruction Committee (Fall 2010)

Research and Scholarship Committee (2008 – 2009)

Other Service

Johns Hopkins University Department of Psychological and Brain Sciences Steering Committee
(1999-2001)

Occasional Reviewing: *Child Development, Cognition, Journal of Child Language, Journal of Memory and Language, Journal of Experimental Child Psychology, Language Learning and Development, Language and Speech, Infant Behavior and Development, Journal of the Acoustical Society of America, PLoSOne, Cognitive Science Society, Boston University Conference on Language Development, SSHRC Insight Grants, NSERC Discovery grants, NSF grants, among others.*

Open Research Area (SSHRC representative 2019)

SSHRC Insight Grants Committee Psychology (2017, 2018, 2019)

SSHRC Insight Development Grants Committee Education, psychology, social work, career guidance, and related fields (2013, 2015, 2016)