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PROFESSIONAL HISTORY

University of Manitoba, Department of Psychology

Associate Professor, April 2012 – present
Assistant Professor, July 2008 – March 2012

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

PEER-REVIEWED JOURNAL PUBLICATIONS

- 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). Infants' 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 JOURNAL PUBLICATIONS

- 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.

BOOK CHAPTERS AND PROCEEDINGS

- 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. (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, July). *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, July). *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, July). *Examining language environments across childcare settings*. Development 2014: A Canadian Conference on Developmental Psychology, Ottawa, Canada.
- Lee, J.B., Soderstrom, M., & Eaton, W. (2014, July). *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, July). *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.

MEDIA APPEARANCES

- 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.

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 2012 [PSYC 2860/LING 2860 A01]
 University of Manitoba, fall 2013 [PSYC 2860/LING 2860 A01]

Child Development

- 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, fall 2013 [PSYC 2310 A01, A02]

University of Manitoba, winter 2014 [PSYC 2310 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:**Selected Topics in Developmental Psychology: 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