DEREK MICHAEL HOUSTON
PROFESSOR
June, 2025

Department of Otolaryngology- Head and Neck Surgery
The Ohio State University
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Columbus, OH 43212
Derek.Houston@OSUMC.edu

EDUCATION:

University of Oregon, 1988-1993
B.A., 1993; Psychology (major), French (minor)

State University of New York at Buffalo, 1994-1996
Cognitive Psychology

Johns Hopkins University, 1996-1999
M.A., 1997; **Ph.D., 2000**; Cognitive Psychology

Indiana University School of Medicine
Department of Otolaryngology – Head & Neck Surgery
NIH Postdoctoral Research Fellow, 2000-2002

ACADEMIC APPOINTMENTS:

Assistant to Associate Professor and Philip F. Holton Scholar, **2002-2015**
Director, DeVault Otologic Research Laboratory, 2014-2015
Department of Otolaryngology – Head & Neck Surgery
Indiana University School of Medicine; Indianapolis, Indiana

Associate to Full Professor, 2015-
Department of Otolaryngology – Head & Neck Surgery
The Ohio State University College of Medicine; Columbus, Ohio

Adjunct Associate to Full Professor, 2016-
Department of Speech and Hearing Sciences
Department of Psychology
The Ohio State University; Columbus, Ohio

OTHER APPOINTMENTS:

Board Member, 2015-2022
Universal Newborn Hearing Screening Subcommittee of the Children with Medical Handicaps Program Medical Advisory Council
Ohio State Department of Health

Advisory Council Member, 2016-2020
The Outreach Center for Deafness and Blindness
Ohio Department of Education

Director of Research, 2016-2022
Buckeye Center for Hearing and Development
The Ohio State University

Steering Committee Member, 2017-2022
Children's Hearing and Language Development Resource Network [CHLDRN] of Ohio

HONORS AND AWARDS:

AMERICAN PSYCHOLOGICAL ASSOCIATION YOUNG INVESTIGATOR AWARD
Monitor on Psychology, December, 2001, 32(11)

PHILIP F. HOLTON SCHOLAR (endowed faculty position), 2002-2015
Indiana University School of Medicine

ACADEMIC HALL OF FAME, 2004 (year inducted)
Milwaukie High School

OUTSTANDING UNDERGRADUATE SUBMISSION, 1ST PLACE, (mentor, prize awarded to J. Phan)
2006 International Conference on Infant Studies

INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS (IUPUI) STUDENT SUPERVISOR OF THE YEAR (nominated), 2007
IUPUI Career Center and Office of Student Employment

GRANTS, CONTRACTS, AND FELLOWSHIPS:

Current

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2020-2024
Parent-child interactions and word learning in young deaf children with cochlear implants (R01DC017925)
Role: PI ($2,431,748 – direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2015-2022
Infant-Directed Speech and Language Development in Infants with Hearing Loss (R01DC008581)
Role: PI ($2,045,014 – direct)

PATIENT CENTERED OUTCOMES RESEARCH INSTITUTE, 2022-2024
Building Capacity for Engaging Families in Early Hearing Detection and Intervention Research
Eugene Washington Engagement Award
Role: Co-PI ($180,759 – direct)

Completed

NATIONAL INSTITUTE OF MENTAL HEALTH (predoctoral NRSA), 1998-1999
Talker Variability and Early Word Representations (F31 MH12232)
Role: PI/predoctoral trainee ($28,170 – direct)

POSTDOCTORAL RESEARCH FELLOWSHIP, 2000-2002
National Institute of Deafness and Other Communication Disorders (T32 DC00012)
Indiana University School of Medicine; Indianapolis, IN

INDIANA UNIVERSITY INTERCAMPUS RESEARCH GRANT, 2001
Assessing Speech Perception Skills of Deaf Infants Who Use Cochlear Implants
Role: PI ($9,810 - direct)

AMERICAN HEARING RESEARCH FOUNDATION, 2002
Development of Audiovisual Integration Skills in Deaf Infants Following Cochlear Implantation
Role: PI ($19,979 - direct)

DEAFNESS RESEARCH FOUNDATION, 2002-2003
Assessing Early Word-Learning Skills of Deaf Infants Following Cochlear Implantation
Role: PI ($55,967 - direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2003-2009
Speech Perception by Infants after Cochlear Implantation (R01 DC006235)
Role: PI ($1,125,000 - direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2004-2007
Multimodal Perception by Infants with Cochlear Implants (R21 DC006682, PI: T. Bergeson, Ph.D.)
Role: Co-PI ($375,000 – direct)

AMERICAN ACADEMY OF OTOLARYNGOLOGY RESIDENT RESEARCH GRANT, 2007-2008
Validating a Novel Speech Discrimination Test in Hearing-Impaired Infants (PI: J. Ting, M.D.)
Role: Mentor/Preceptor ($9,977 – direct)

IUPUI SIGNATURE CENTER GRANT, 2007-2010
The Center for Advanced Studies in Hearing, Perception, and Language (PI: R. Miyamoto, M.D.)
Role: Faculty Participant ($150,017 – direct)

US-Israel Binational Science Foundation Research Grant, 2008-2012
The Influence of Language Input on Stress-Pattern Perception and Representation in Normal-Hearing Infants and Deaf Infants with Cochlear Implants (L. Kishon-Rabin, Ph.D.)
Role: PI for U.S. site (PI for Israel site: L. Kishon-Rabin, Ph.D.) ($153,000 – direct)

American Academy of Audiology Foundation New Investigator Award, 2009-2010

Effect of Reduced Spectral Resolution on Vowel Discrimination in Infants with Normal Hearing (PI: A. Warner-Czyz, Ph.D.)
Role: Co-PI ($9,040 – direct)

INDIANA UNIVERSITY COLLABORATIVE RESEARCH GRANT, 2013-2014
A Novel Multimodal Methodology to Investigate Communicative Interactions between Parents and Deaf Infants Before and After Cochlear Implantation
Role: PI ($67,000 – direct)

INDIANA CLINICAL AND TRANSLATIONAL SCIENCES INSTITUTE PILOT RESEARCH GRANT, 2014-2016
The Role of Caregiver Touch in Language Learning for Hearing Impaired Infants
objectives of this project are to examine characteristics of caregivers' touch with their HI or NH infants in naturalistic language-learning situations and to explore the impact of touch on language learning in both of these populations
Role: PI ($75,000 – direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2010-2016
Language Processing in Children with Cochlear Implants (R01 DC011041, PI: R. Schwartz, Ph.D.)
Role: PI of IU Subcontract (Subcontract amount: $285,159 – direct)

INDIANA UNIVERSITY, SCHOOL OF MEDICINE, DEPARTMENT OF PEDIATRICS, 2016-2017
Baby Talk: Longitudinal comparison study of verbal interactions between term and premature mother/baby dyads (PI: Heidi Harmon, MD)
Role: Co-I ($49,904 – direct)

TRANSLATIONAL DATA ANALYTICS AT OHIO STATE, 2017
Creating articulatory models for analyzing large corpora of infant-caretaker vocal interactions
Role: PI ($26,300 – direct)

OBERKOTTER FOUNDATION, 2017-2018
Children's Hearing and Language Development Resource Network [CHLDRN] of Ohio Community Collaborative
Role: PI ($98,937 – direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2018-2019
Infant-Directed Speech and Language Development in Infants with Hearing Loss [Diversity Supplement] (3R01DC008581-08S1, PI: Rondeline Williams)
Role: Primary Sponsor ($43,521 – direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2018-2021
Action and interaction in infants with hearing loss, before and after cochlear implantation (F32DC017076, PI: Claire Monroy, PhD)
Role: Primary Sponsor ($175,974 – direct)

NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS, 2017-2022 {ended June 2021 due to obtaining R01}
Variability in Speech Recognition for Adults with Cochlear Implants: Bottom-up and Top-down Factors (K23DC015539, PI: Aaron Moberly, MD)
Role: Primary Sponsor ($865,000 – direct)

PUBLICATIONS:

1. Santelmann, L., Houston, D.M., & Jusczyk, P.W. (1997). 7.5-month-old infants' segmentation of multisyllabic words in fluent speech. In E. Hughes, M. Hughes, and A. Greenhill, (Eds.) *Proceedings of the 21st Annual Boston University Conference on Language Development, (pp. 495-505).* Brookline, MA: Cascadilla Press.

2. Dehaene-Lambertz, G., & Houston, D.M. (1998). Faster orientation latency toward native language in two-month-old infants. *Language and Speech,* 41, 21-43.

3. Jusczyk, P.W., Houston, D.M., & Goodman, M. (1998). Speech perception during the first year. In A. Slater (Ed.) *Perceptual development: Visual, auditory, and language development,* (pp. 357-388). London: Psychology Press.

4. Houston, D.M., Jusczyk, P.W., & Tager, J. (1998). Talker-specificity and the persistence of infants' word representations. In A. Greenhill et al (Eds.) *Proceedings of the 22nd Annual Boston University Conference on Language Development,* (pp. 385-396). Somerville, MA: Cascadilla Press.

5. Kuijpers, C., Coolen, R., Houston, D., & Cutler, A. (1998). Using the head-turning technique to explore cross-linguistic performance differences. In C. Rovee-Collier & L. P. Lipsitt (Eds.) *Advances in Infancy Research,* (pp. 205-220). Stamford, CT: Ablex.

6. Jusczyk, P.W., Houston, D.M., & Newsome, M. (1999). The beginnings of word segmentation in English-learning infants. *Cognitive Psychology,* 39, 159-207.

7. Houston, D. M., Jusczyk, P. W., Kuijpers, C., Coolen, R., & Cutler, A. (2000). Cross-language word segmentation by 9-month-olds. *Psychonomic Bulletin and Review, 7(3),* 504-509.

8. Houston, D.M., & Jusczyk, P.W. (2000). The role of talker-specific information in word segmentation by infants. *Journal of Experimental Psychology: Human Perception and Performance, 26(5),* 1570-1582 (Paper led to APA Young Investigator Award, 2001).

9. Houston, D.M., Carter, A.K., Ying, E.A., Kirk, K.I., & Pisoni, D.B. (2000). Early word learning skills of hearing-impaired children who use cochlear implants: Development of procedures and some preliminary findings. *Research on Spoken Language Processing Progress Report No. 24.* Indiana University Speech Research Laboratory, Bloomington, IN.

10. Houston, D.M. (2000). Speech perception and language skills of deaf infants who use cochlear implants: A review of assessment procedures and a research plan. *Research on Spoken Language Processing Progress Report No. 24* (pp. 378-392). Indiana University Speech Research Laboratory, Bloomington, IN.

11. Jusczyk, D.M. & Houston, D.M. (2001). How talker variability influences infants' lexical representations. In R. Smits, J. Kingston, T.M. Neary, & R. Zondervan (Eds.), *Proceedings of SPRAAC (Workshop on Speech Recognition as Pattern Classification)*. Nijmegen: MPI Psycholinguistics.

12. Houston, D.M. (2002). What infants learn about native language sound organization during their first year, and what may happen if they don't. In K. Schauwers, P. Govaerts, & S. Gillis

(Eds.) *Antwerp Papers in Linguistics 102: Language Acquisition in Young Children with a Cochlear Implant.* (pp. 11-21). University of Antwerp, Antwerp, Belgium.

13. Houston, D.M., & Pisoni, D.B. (2002). Early speech perception and language development in normal-hearing and deaf infants following cochlear implantation. In K.T. Houston (Ed.) *The Role of Audition in Spoken Language* (pp 5-8), Washington, DC: AG Bell.

14. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (2003). Speech perception skills of deaf infants following cochlear implantation: A first report. *International Journal of Pediatric Otorhinolaryngology, 67,* 479-495.

15. Miyamoto, R.T., Houston, D.M., Kirk, K.I., Perdew, A.E., & Svirsky, M.A. (2003). Language development in deaf infants following cochlear implantation. *Acta Oto-Laryngologica, 123,* 241-244.

16. Houston, D.M., & Jusczyk, P.W. (2003). Infants' long-term memory for the sound pattern of words and voices. *Journal of Experimental Psychology: Human Perception and Performance, 29,* 1143-1154. (Study was reported on in the *APA Monitor (Vol. 34, No.11, December 2003*).

17. Houston, D. M., Ying, E. A., Pisoni, D. B., & Kirk, K. I. (2003). Development of pre word-learning skills in infants with cochlear implants. *The Volta Review, 103* monograph, 303-326.

18. Houston, D.M., Tincoff, R., & Jusczyk, P.W. (2003). 7.5-month-olds' memory for words after a 1-week delay. In D. Houston, A Seidl, G.Hollich, E. Johnson, & A. Jusczyk (Eds.) *Jusczyk Lab Final Report*. Retrieved from http://hincapie.psych.purdue.edu/Jusczyk.

19. Houston, D., Jusczyk, P.W., & Jusczyk, A.M. (2003). Memory for bisyllables in 2-month-olds. In D. Houston, A Seidl, G.Hollich, E. Johnson, & A. Jusczyk (Eds.) Jusczyk Lab Final Report. Retrieved from http://hincapie.psych.purdue.edu/Jusczyk.

20. Miyamoto, R. T., Houston, D. M., & Kirk, K. I. (2003). Early cochlear implantation in congenitally deaf children. *Audiology Today (October),* 35-40.

21. Houston, D.M., Santelmann, L., & Jusczyk, P.W. (2004). English-learning infants' segmentation of trisyllabic words from fluent speech. *Language and Cognitive Processes, 19,* 97-136.

22. Houston, D. M., Carter, A. K., Pisoni, D. B., Kirk, K. I., & Ying, E. A. (2005). Word learning in children following cochlear implantation. *The Volta Review, 105,* 41-72.

23. Miyamoto, R.T., Houston, D.M., & Bergeson, T.R. (2005). Cochlear Implantation in Deaf Infants. *The Laryngoscope, 155,* 1376-1380.

24. Houston, D.M. (2005). Speech perception in infants. In D.B. Pisoni & R.E. Remez (Eds.) *Handbook of Speech Perception* (pp. 417-448). Oxford: Blackwell Publishing Ltd.

25. Houston, D. M. (2005). Speech perception in deaf infants with cochlear implants. *Perspectives on Hearing and Hearing Disorders in Childhood, ASHA, 15,* 5-9.

26. Nazzi, T. & Houston, D.M. (2006). Finding verb forms within the continuous speech stream. In K. Hirsh-Pasek & R.M. Golinkoff (Eds.) *Action meets word: How children learn verbs* (pp. 64-87). Oxford: Oxford University Press.

27. Houston, D.M., Horn, D.L., Qi, R., Ting, J., & Gao, S. (2007). Assessing speech discrimination in individual infants. *Infancy, 12,* 119-145

28. Horn, D.L., Houston, D.M., & Miyamoto, R.T. (2007). Speech discrimination skills in deaf infants before and after cochlear implantation. *Audiological Medicine, 5,* 232-241

29. Hollich, G. & Houston, D.M. (2007). Language development: From speech perception to first words. In A. Slater & M. Lewis (Eds.) *Introduction to Infant Development (*pp. 170-188). Oxford: Oxford University Press.

30. Miyamoto, R.T., Hay-McCutcheon, M.J., Kirk, K.I., Houston, D.M., & Bergeson-Dana, T. (2008). Language skills of profoundly deaf children who received cochlear implants under 12-months of age: A preliminary study. *Acta Otolaryngologica, 128*, 373-377.

31. Brigance, J.S., Miyamoto, R.C., Schilt, P, Houston, D.M., Wiebke, J.L., Givan, D., & Matt, B.H. (2009). Surgical management of obstructive sleep apnea in infants and young toddlers. *Otolaryngology – Head and Neck Surgery, 140*, 912-916.

32. Elder, D., Richie, C. & Houston, D.M. (2009). The Relation Between Early Word Stress Discrimination and Later Lexical Development. *Research on Spoken Language Processing, No. 29* (pp. 255-269). Bloomington, IN: Speech Research Laboratory, Indiana University.

33. Field, S. L., Shafto, C. L., Houston, D. M., Conway, C. M., & Tinter, S. (2009). Visual sequence learning in normal hearing and hearing-impaired infants: Finding an early predictor of language. *Research on Spoken Language Processing, No. 29* (pp. 330-342). Bloomington, IN: Speech Research Laboratory, Indiana University.

34. Musunuru, S., Houston, D. M., Pope, S. (2009). Visual Recognition Memory in 5- and 8-month-old infants and its relation to vocabulary development. *Research on Spoken Language Processing, No. 29* (pp. 306-315). Bloomington, IN: Speech Research Laboratory, Indiana University.

35. Phan, J. & Houston, D. M. (2009). Infant Dialect Discrimination. *Research on Spoken Language Processing, No. 29* (pp. 316 -329). Bloomington, IN: Speech Research Laboratory, Indiana University.

36. Bergeson, T., Houston, D.M., & Miyamoto, R.T. (2010). Effects of congenital hearing loss and cochlear implantation on audiovisual speech perception in infants and children. *Restorative Neurology and Neuroscience, 28,* 157-165.

37. Houston, D.M., & Miyamoto, R.T. (2010). Effects of early auditory experience on word learning and speech perception in deaf children with cochlear implants: Implications for sensitive periods of language development. *Otology & Neurotology, 31,* 1248-1253

38. Houston, D. M., Hay-McCutcheon, M., Bergeson, T. R., & Miyamoto, R. T. (2010). Cochlear Implants: Technology. In E. B. Goldstein (Ed.) *Encyclopedia of Perception* (pp. 245-249). Thousand Oaks, CA: SAGE Publications.

39. Ma, W., Golinkoff, R.M., Houston, D.M., & Hirsh-Pasek, K. (2011). Word learning in Infant- and adult-directed speech. *Language, Learning, and Development, 7,* 185 – 201.

40. Houston, D. M. (2011) Infant Speech Perception. In R. Seewald and A. M. Tharpe (Eds.) *Comprehensive Handbook of Pediatric Audiology* (pp. 47-62). San Diego, CA: Plural Publishing, Inc.

41. Shafto, C. L., Conway, C. M., Field, S. L., & Houston, D. M. (2012). Visual Sequence Learning in Infancy: A Domain-General Predictor of Vocabulary. *Infancy, 17,* 247-271.

42. Houston, D.M., Beer, J., Bergeson, T.R., Chin, S.B., Pisoni, D.B., & Miyamoto, R.T. (2012). The ear is connected to the brain: Some new directions in the study of children with cochlear implants at Indiana University, *Journal of the American Academy of Audiology, 23,* 446-463.

43. Houston, D.M., Stewart, J., Moberly, A., Hollich, G., & Miyamoto, R.T. (2012). Word learning in deaf children with cochlear implants: Effects of early auditory experience, *Developmental Science, 15(3),* 448-461.

44. Schwartz, R.G., Steinman, S., Ying, E., Mystal, E.Y., & Houston, D.M. (2013). Language processing in children with cochlear implants: A preliminary report on lexical access for production and comprehension, *Clinical Linguistics & Phonetics, 27(4),* 264-277.

45. Houston, D.M. & Bergeson, T.R. (2014). Hearing versus Listening: Attention to Speech and Its Role in Language Acquisition in Deaf Infants with Cochlear Implants, *Lingua, 139,* 10-25

46. Warner-Czyz, A., Houston, D.M., & Hynan, L. (2014). Effect of reduced spectral resolution on vowel discrimination in 6-month-old infants. *Journal of the Acoustical Society of America, 135(5),* 3017-3024.

47. Segall, O., Houston, D.M., & Kishon-Rabin, L. (2016). Auditory discrimination of lexical stress patterns in hearing-impaired infants with cochlear implants compared to normal hearing: Influence of acoustic cues and listening experience to the ambient language. *Ear & Hearing, 37(2),* 225-234.

48. Houston, D. M. (2016) Infant Speech Perception. In A. M. Tharpe and R. Seewald (Eds.) *Comprehensive Handbook of Pediatric Audiology (2nd Edition)* (pp. 49-66). San Diego, CA: Plural Publishing, Inc.

49. Phan, J., Houston, D.M., Ruffin, C., Ting, J., & Holt, R.F. (2016). Factors affecting speech discrimination in children with cochlear implants: Evidence from early-implanted infants. *Journal of the American Academy of Audiology, 27(6),* 480-488.

50. Cristia, A., Seidl, A., Singh, L., & Houston, D.M. (2016). Test-retest reliability in infant speech perception tasks. *Infancy, 21(5),* 648-667.

51. Beyea, J.A., McMullen, K.P., Harris, M.S., Houston, D.M., Martin, J., Bolster, V.A., Adunka, O.F., Moberly, A.C. (2016). Cochlear Implants in Adults: Effects of Age and Duration of Deafness on Speech Recognition. *Otology & Neurotology, 37(9),* 1238-1245.

52. Wang, Y., Lee, C.S., & Houston, D.M. (2016). Infant-directed speech reduces English-learning infants' preference for trochaic words. *Journal of the Acoustical Society of America, 140(6),* 4101-4110.

53. Moberly, A.C., Houston, D.M., Castellanos, I. (2016). Non-auditory neurocognitive skills contribute to speech recognition in adults with cochlear implants. *Laryngoscope Investigative Otolaryngology, 1,* 154–162.

54. Morini, G., Golinkoff, R.M., Morlet, T., & Houston (2017). Advances in pediatric hearing loss: A road to better language outcomes. *Translational Issues in Psychological Science, 3(1),* 80-93.

55. Houston (2017). Research update with Derek Houston from BCHD*., 17(1, Spring/Summer),* 8-9.

56. Moberly, A.C., Houston, D.M., Harris, M.S., Adunka, O.F., Castellanos, I. (2017). Verbal working memory and inhibition-concentration in adults with cochlear implants. *Laryngoscope Investigative Orolaryngology*, 2(5), 254-261.

57. Wang, Y., Bergeson, T.R., Houston, D.M. (2017). Infant-directed speech enhances attention to speech in deaf infants with cochlear implants. *Journal of Speech, Language, and Hearing Research, 60(11),* 3321-3333.

58. Houston, D.M. & Warner-Czyz, A. (2018). Speech perception and auditory development in infants with and without hearing loss. In Bar-On, Amalia & Ravid, Dorit (eds.). *Handbook of Communication Disorders. Theoretical, Empirical, and Applied Linguistics Perspectives (pp. 43-62)*. Berlin: De Gruyter Mouton.

59. Wang, Y., Shafto, C.L., & Houston, D.M. (2018). Attention to speech and spoken language development in deaf children with cochlear implants: a 10-year longitudinal study. *Developmental Science, 21(6),* e12677.

60. Fortunato-Tavares, T., Schwartz, R.G., de Andrade, C.R.F., Marton, K., Houston, D.M. (2018). Prosodic Boundary Effects on Syntactic Disambiguation in Children with Cochlear Implants. *Journal of Speech, Language, and Hearing Research, 61(5), 1188-1202.*

61. Wang, Y., & Houston, D. (2018). Attention to speech, speech perception, and referential learning. Commentary on Janet Werker's keynote article "Perceptual beginnings to language acquisition". *Applied Psycholinguistics,39(4),* 764-768.

62. Castellanos, I., Pisoni, D. B., Yu, C., Chen, C., & Houston, D. M. (2018). Embodied cognition in prelingually deaf children with cochlear implants: Preliminary findings. In H. Knoors, & M. Marschark (Eds.), *Evidence-Based Practices in Deaf Education (Perspectives on Deafness).* (pp. 397-416). New York: Oxford University Press.

63. Wang, Y., Bergeson, T., & Houston, D. (2018). Preference for infant-directed speech in infants with hearing aids: effects of early auditory experience. *Journal of Speech, Language, and Hearing Research, 61(9),* 2431-2439.

64. Moberly, A.C., Vasil, K., Wucinich, T.L., Safdar, N., Boyce, B.A., Roup, C., Holt, R., Adunka, O.F., Castellanos, I., Houston D.M., Pisoni, D.B. (2018). How does aging affect recognition of spectrally degraded speech? *Laryngoscope, 128(S5),* 1-16.

65. Wang, Y., Houston, D., & Seidl, A. (2019). Acoustic properties of infant-directed speech. In S. Fruhholz, & P. Belin (Eds.), *The Oxford Handbook of Voice Perception*. (pp. 93-115). Oxford: Oxford University Press.

66. Monroy, C., Shafto, C., Castellanos, I., Bergeson, T.R. & Houston, D.M. (2019). Visual habituation in deaf and hearing infants, PLOS ONE, 14(2), e0209265.

67. Dilley, L., Gamache, J., Wang, Y., Houston, D. M., Bergeson, T. R. (2019). Statistical distributions of consonant variants in infant-directed speech: evidence that /t/ may be exceptional, *Journal of Phonetics, 75,* 73-87.

68. Chen, C., Castellanos, I., Yu, C., Houston, D.M. (2019). Parental Linguistic Input and Its Relation to Toddlers' Visual Attention in Joint Object Play: A Comparison Between Children with Normal Hearing and Children with Hearing Loss, *Infancy, 24(4),* 589-612.

69. Vinaya, R., Konishi, H., Ridge, K., Houston, D.M., Golinkoff, R.M., Hirsh-Pasek, K., Eastman, N., & Schwartz, R.G. (2019). Novel word learning at 21 months predicts language-specific outcomes in later childhood, *Journal of Child Language, 46(4),* 617-631.

70. Abu-Zhaya, R., Kondaurova, M.V., Houston, D.M., Seidl, A. (2019). Vocal and tactile input to children who are deaf or hard of hearing, *Journal of Speech, Language, and Hearing Research, 62 (7),* 2372-2385.

71. Chen, C., Castellanos, I., Yu, C., & Houston, D. (2019). Effects of children's hearing loss on the synchrony between parents' object naming and children's attention, *Infant Behavior and Development, 57,* 101322.

72. Houston, D.M., Chen, C., Monroy, C., & Castellanos, I. (2020). How Early Auditory Experience Affects Children's Ability to Learn Spoken Words. In M. Marschark & H. Knoors (Eds.), *The Oxford Handbook of Deaf Studies in Learning and Cognition.* (pp. 123-137). New York: Oxford University Press.

73. Levine, D., Avelar, D., Golinkoff, R.M., Houston, D.M., Hirsh-Pasek, K. (2020). Foundations of language development in deaf and hard-of-hearing infants: Cognitive and social processes. In M. Marschark & H. Knoors (Eds.), *The Oxford Handbook of Deaf Studies in Learning and Cognition.* (pp. 21-32). New York: Oxford University Press.

74. Jung, J. & Houston, D. M. (2020). The relationship between speech perception skills and the onset of canonical syllables in children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 63(2),* 393-404.

75. Chen, C., Castellanos, I. Yu, C., & Houston, D. M. (2020). What leads to coordinated attention in parent-toddler interactions? Children's hearing status matters. *Developmental Science*, *23*(3), e12919.

76. Wang, Y., Jung, J., Bergeson, T., & Houston, D. M. (2020). Lexical repetition properties of caregiver speech and language development in children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 63(3),* 872-884.

77. Jung, J., Reed, J., Wagner, L., Stephens, J., Warner-Czyz, A., Uhler, K., & Houston, D. M. (2020). Early vocabulary profiles in young deaf children who use cochlear implants. *Journal of Speech, Language, and Hearing Research, 63(3),* 872-884.

78. Monroy, C., Freeman, J., Houston, D. (2020). Does being born deaf affect how we see? *Frontiers for Young Minds, 8(82).* doi: 10.3389/frym.2020.00082

79. Dilley, L., Lehet, M., Wieland, E.A., Arjmandi, M.K., Kondaurova, M., Wang, Y., Reed, J., Svirsky, M., Houston, D. M., Bergeson, T. (2020). Individual differences in mothers' spontaneous infant-directed speech predict language attainment in children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 67(3),* 2453-2467.

80. Wang, Y., Williams, R., Dilley, L., & Houston, D. M. (2020). A meta-analysis of the predictability of LENA automated measures for child language development. *Developmental Review, 57,* 100921.

81. Chen, C., Monroy, C., Houston, D. M., & Yu, C. (2020). Using head-mounted eye-trackers to study micro-level dynamics of coordinated attention. In S. Hunnius & M. Meyer (Eds.), *New Perspectives on Early Social-Cognitive Development* (pp. 71-88). Cambridge, MA: Elsevier.

82. Lehet, M., Arjmandi, M. K., Houston, D., & Dilley, L. (2021). Circumspection in using automated measures: Talker gender and addressee affect error rates for adult speech detection in the Language ENvironment Analysis (LENA) system. *Behavior Research Methods*, 1-26.

83. Monroy, C., Chen, C., Houston, D., & Yu, C. (2021). Action prediction during real-time parent-infant interactions. *Developmental Science, 24(3),* e13042.

84. Davenport, C.A., Houston, D.M., Bowdrie, K., & Frush Holt, R. (2021). The role of early intervention in parental self-efficacy for families of deaf/hard of hearing children. *Journal of Early Hearing Detection and Intervention*, *6(1),* 38-47.

85. Monroy, C., Houston, D. M., & Yu, C. (2021). Joint action in deaf and hearing toddlers: A mobile eye-tracking study. *Proceedings of the Annual Meeting of the Cognitive Science Society, 43,* 2794-2800.

86. Arjmandi, M. K., Houston, D., Wang, Y., & Dilley, L. C. (2021). Estimating the reduced benefit of infant-directed speech in cochlear implant-related speech processing. *Neuroscience Research, 171,* 49-61.

87. Chen, C., Houston, D. M., & Yu, C. (2021). Parent-child joint behaviors in novel object play create high-quality data for word learning. *Child Development, 92(5),* 1889-1905.

88. Wang, Y., Cooke, M., Reed, J., Dilley, L., & Houston, D. M. (2022). Home auditory environments of children with cochlear implants and children with normal hearing. *Ear & Hearing, 43(2),* 592-604.

89. Arjmandi, M. K., Houston, D. M., & Dilley, L. C. (2022). Variability in quantity and quality of early linguistic experience in children with cochlear implants: Evidence from analysis of natural auditory environments. *Ear & Hearing, 43(2),* 685-698.

90. Houston, D. M. (2022). A framework for understanding the relation between spoken language input and outcomes for children with cochlear implants. *Child Development Perspectives, 16(1),* 60-66. https://doi.org/10.1111/cdep.12443

91. Monroy, C., Houston, D. M., & Yu, C. (2022). Visual statistical leaming in deaf and hearing infants and toddlers. *Infancy, 27(4),* 720-735.

92. Bowdrie, K., Frush Holt, R., & Houston, D.M. (2022). Interactive effects of temperament and family-related environmental confusion on spoken language in children who are deaf or hard-of-hearing. *Journal of Speech, Language, and Hearing Research, 65(9),* 3566-3582.

93. Fortunato-Tavares, T., Schwartz, R. G., de Andrade, C. R., Marton, K. Houston, D. (2023). Are prosodic effects on sentence comprehension dependent only on age?, *CoDAS, 35, e20210062.*

94. Reed, J., Davenport, C., Findlen, U. M., & Houston, D. M. (2023). Parent and provider perspectives on early intervention in Ohio: A community collaborative approach. *Journal of Early Hearing Detection and Intervention, 8(1),* 22-34.

95. DeLuca, Z. W., Schwartz, R. G., Marton, K., Houston, D. M., Ying, E., Steinman, S., & Drakopoulou, G. (2023). The effect of sentence length on question comprehension in children with cochlear implants. *Cochlear Implants International*, *24*(1), 14–26

96. Findlen, U., Davenport, C. A., Cadieux, J., Gehred, A., Holt, R. F., Vaughn, L. M., Houston, D. M., & Hunter, L. L. (2023). Barriers to and facilitators of early hearing detection and intervention in the United States: A systematic review. *Ear & Hearing, 44(3),* 448-459.

97. Castellanos, I. & Houston, D. M. (2024). Temperament in toddlers with and without prelingual hearing loss. *J. Speech, Lang., Hear. Res.* **67**, 232–243.

98. Monroy, C., Yu, C., & Houston, D. (2024). Parent–child sensorimotor coordination in toddlers with and without hearing loss. *Quarterly Journal of Experimental Psychology*, 17470218241253277. https://doi.org/10.1177/17470218241253277

99. Davenport, C. A., Smolen, E., Castellanos, I., Dirks, E., & Houston, D. M. (2025). Parental self-efficacy and early language development in deaf and hard-of-hearing children. *The Journal of Deaf Studies and Deaf Education*, 30(1), 31-40. https://doi.org/10.1093/jdsade/enae036

100. Campbell, E. E., Davis, C. P., Zettersten, M., Cooke, M., Houston, D., Caselli, N., & Bergelson, E. (2025). Early production of imperceptible words by infants and toddlers born deaf or blind. *Open Mind,* 9, 475-500. https://doi.org/10.1162/opmi_a_00197

101. Houston, D. M., Arjmandi, M., & Monroy, C. (in press). Perceptual development in deaf children who use cochlear implants. In S. Johnson (Ed), *Handbook of Perceptual Development*. Oxford University Press.

102. Jung, J., Wang, Y., Bergeson, T., & Houston, D.M. (in revision). Caregivers' vocabulary use for children with cochlear implants and children with normal hearing.

TEACHING AND MENTORING:

Director, Summer Research Traineeship for Medical Students, 2002-2007
Indiana University School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Conducted as a part of NIDCD training grant (T32 DC00012; PD: David Pisoni, Ph.D.) *Training in Speech, Hearing, and Sensory Communication*

Courses
Language Development in Children with Cochlear Implants (2013). European Masters in Clinical Linguistics (EMCL) 4-week course in Potsdam, Germany.
The Effects of Early Auditory Experience on Word Learning (Oct 2015). Recorded course and online discussion for 2015 ASHA Audiology Conference
New Directions in Early Intervention for Children with Hearing Loss. BCHD Open House (February, 2017)
All Hands on Deck: Promoting Family Involvement in Early Intervention for Children with Hearing Loss. BCHD conference (August, 2019)

Guest Lectures for courses and seminars:
Physiological Psychology, Johns Hopkins University (1996); Developmental Psychology, Johns Hopkins University (1997); Human Neuropsychology, Johns Hopkins University (1998); Oral Rehabilitation, Butler University (2001); Cochlear Implants, Indiana University School of Medicine (2001); Sensorimotor Neuroplasticity, Indiana University (2002); Research Methods, University of Washington (2005); Pediatrics Grand Rounds, Riley Hospital for Children (2006); Pediatrics Grand Rounds, Methodist Hospital, Indianapolis; Pediatric Audiology, Indiana University (2007, 2008); Summer Research Traineeship, DeVault Otologic Research Lab (2008, 2009, 2010, 2011); Implantable Auditory Prostheses, Indiana University (2009, 2010, 2011, 2012), Audiology Online lecture (2011); NCH Hearing Program Parent Advisory Board Research lecture (Mar 2016); Grand Rounds, OSUMC OTHN (2015, 2017, 2020); Perception and Language, OSU Psychology Dept (2016); Cochlear Implants, OSU Dept. of Speech and Hearing Sciences (2017, 2019); Cognitive Science, OSU Psychology Dept (2017); How to write an NIH research grant, OSUMC OTHN resident course; CHLDRN of Ohio presentation at state UNHS subcommittee meeting (2017), Pediatric Audiology, OSU Dept. of Speech and Hearing Science (2016, 2017, 2018, 2019, 2020); Invited talk for the American Chemical Society Silver Circle (2017); Lecture on language development in children with hearing loss for NCH Neuropsychology Group (2018); Webinar for ASHA CEUs: Language input and language development in young children with hearing loss (2018); Lectures at OSU Dept. of Linguistics, Language Acquisition Group (2016, 2020).

Faculty Mentoring

2015 -	Aaron Moberly, M.D.
2016 -	Irina Castellanos, Ph.D.

Post-doc Mentoring

2003 – 2005	David Horn, M.D.
2005 – 2007	Jonathan Ting, M.D.
2010 – 2012	Jennifer Phan, M.D.

2011 – 2013 Chad Ruffin, M.D.
2012 – 2014 Irina Castellanos, Ph.D.
2015 - 2020 Jessa Reed, Ph.D.
2016 – 2019 Yuanyuan Wang, Ph.D.
2016 - 2019 Jongmin Jung, Ph.D.
2016 - 2021 Esther Chen, Ph.D.
2016 - 2021 Claire Monroy, Ph.D.
2017 - Carrie Davenport, Ph.D.

Medical Student Mentoring, 2001- 2014

(1st year medical students in the NIH Summer Research Traineeship)
2001 Steven Fountain: *Perception of "Elliptical" Speech* (co-mentor with David Pisoni)
2001 Andrew Sprunger: *Talker Discrimination in Adult Cochlear Implant Users* (co-mentor with Karen Kirk).
2002 Jessica Stewart: *Word Learning in Deaf Infants after Cochlear Implantation*
2003 Aaron Moberly: *Development of a Novel Word Learning Test for Infants*
2004 Preethi Seshadri: *Sensitivity to Rhythmic Properties of Speech in Normal-Hearing infants and Deaf Infants with Cochlear Implants*
2005 Joseph Smith: *Test-retest reliability of a Novel Test of Infant Speech Discrimination*
2006 Margaret Benson: *Infants' Discrimination of Vowels: Test-Retest Reliability*
2008 Suzanne Field: *Visual Sequence Learning in Normal Hearing and Hearing-Impaired Infants: Finding an Early Predictor of Language*
2008 Swapna Musunuru: *Visual Recognition Memory in 5- and 8-month-old infants and its relation to vocabulary development*
2009 Rohan Sharma: *Heart Rate Deceleration as a Measure of Speech Discrimination and the Importance of Habituation in Novelty Preference*
2010 Ben Rejowski: *Speech Discrimination: Using Heart Rate to Assess Attention to Speech and Nonspeech Analogues in Infants*
2014 Jigar Patel: *Effects of Hearing Loss on Early Childhood Temperament*

(3rd and 4th year medical students research electives)
2008 – 2009 Allison Taraska: *A Heart-Rate Based Measure of Infant Speech Discrimination*
2008 – 2009 Jennifer Phan: *Infant Dialect Discrimination*
2010 Michelle Srisuwananukorn: *Influence of language on stress-pattern discrimination*

Undergraduate Thesis Mentoring

2004 – 2005 Jennifer Phan, Psychology, IUPUI.
Thesis title: *Dialect Discrimination in Infants.*
2007 – 2008 Danielle Elder, Communication Sciences and Disorders, Butler University.
Thesis title: *The Relation Between Word Stress Discrimination in Early Speech Perception and Later Lexical Development.*
2016 – 2018 Hannah Adazzio, Department of Speech and Hearing Sciences, OSU.
Thesis title: *Variations in Maternal Play Behaviors Affected by Hearing Status*
2019 – 2020 Megan Whitford, Department of Speech and Hearing Sciences, OSU.
Thesis title: *The Effect of Maternal Language Input and Maternal Sensitivity on Language Development in Children with Hearing Loss*.
2020 – 2021 Grace Terry, Department of Speech and Hearing Sciences, OSU.
Thesis title: *Maternal Temperament and Deaf/Hard of Hearing Child Language Gain: The Relationship Between Maternal Sensitivity,*

Maternal Temperament, D/HH Child Language Environment and D/HH Child Language Development

Undergraduate Thesis Committee
2019, Lillian Southern, Communication Sciences and Disorders, Butler University, *Parent Interaction Between an Infant with a Cochlear Implant and Additional Disabilities*
2019, Jillian Harrington, Department of Speech and Hearing Sciences, OSU, *Maternal Linguistic Input and Executive Functioning in Prelingually Deafened Cochlear Implant Users*

Undergraduate Internship Course
2006 – 2015
Faculty Supervisor, SH404 Communication Disorders Internship, Butler University.
Students since 2006: 19

Master's Student Mentoring
2005 – 2007 Jonathan Ting, M.D., Master's in Clinical Research
2016 - 2017 Nancy Eastman., Master's Thesis for Speech and Hearing Sciences

PhD Student mentoring
2008 – 2013 Carissa Shafto, Department of Psychological and Brain Sciences, University of Louisville
Dissertation title: *Relations Between Nonverbal Cognitive Ability and Spoken Language Development: Implications for Deaf Toddlers Who Use Cochlear Implants*

Other Dissertation Committees
2007 – 2008 Rachel Schmale, Department of Psychological Sciences, Purdue University
Dissertation title: *The Role of Variability in Voice and Foreign Accent in the Development of Early Word Representations*
2010 *Annemiek Hammer. Department of Clinical Linguistics, Leiden University, The Netherlands.*
Dissertation Title: *The acquisition of verbal morphology in cochlear implanted and specific language impaired children*
2013 - 2015 Talita Fortunato-Tavares, Ph.D. Program in Speech-Language-Hearing Sciences, City University of New York
Dissertation title: *Prosodic Boundary Effects on Syntactic Disambiguation in Children with Cochlear Implants, and in Normal Hearing Adults and Children*
2014 - 2015 Zarabeth Waldman, PhD. Program in Speech-Language-Hearing Sciences, City University of New York
Dissertation title: *Wh-Question Processing in Children with Cochlear Implants*
2020 Irena Lovcevic, The MARCS Institute for Brain, Behaviour and Development, Western Sydney University, Sydney, Australia.
Dissertation title: *The Role of Infant-Directed Speech in Language Development of Infants with Hearing Loss*

OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS:

Research Assistant, 1990-1991
Cognitive Neuropsychology Laboratory

Good Samaritan Hospital; Portland, Oregon

Research Assistant, **1991-1993**
Institute for Cognitive and Decision Sciences
University of Oregon; Eugene, Oregon

Visiting Researcher, 1996
Max Planck Institute for Psycholinguistics; Nijmegen, The Netherlands

Visiting Researcher, 1998
Laboratoire de Sciences Cognitives et Psycholinguistique; Paris, France

Consultant, 2006-2009
NIDCD Grant (R01 DC000064, PI: R. Miyamoto, M.D.) *Spoken Language Processing by Children with Sensory Aids*

Consultant, 2007-2014
NIDCD Grant (R01DC008581, PI: T. Bergeson, Ph.D.) *Development of Attention to Maternal Speech in Infants with Hearing Loss*

Consultant, 2009-2010
North and Central Texas Clinical Science and Translational Initiative Pilot Award (PI: A. Warner-Czyz) *Effect of Reduced Spectral Resolution on Speech Discrimination in Normal Hearing Infants*

Consultant, 2012-2015
NIDCD Grant (R03DC012639-01, PI: M. Roberts, Ph.D.) *Pre-Implantation Communication Treatment for Children with Hearing Loss*

Consultant, 2019-
NIDCD Grant (R01DC016877-01A1, PI: M. Roberts, Ph.D.) *Early Communication Intervention for Toddlers with Hearing Loss*

PROFESSIONAL ORGANIZATIONS:

Acoustical Society of America
American Speech, Language, and Hearing Association
Association for Psychological Science
International Society on Infant Studies
Society for Research in Child Development
Society for Language Development

UNIVERSITY SERVICE:

2006 – 2010	IUPUI Research Affairs Committee
2005 – 2010	Resident Selection Committee, Department of Otolaryngology – Head & Neck Surgery
2004 - 2015	Supporting Faculty Member, Training in Speech, Hearing and Sensory Communication
2004 - 2015	Advisory Committee Member, Training in Speech, Hearing and Sensory Communication,
2001 – 2012	Coordinator, DeVault Otologic Research Lab colloquia series

2015 – present Director of Research, Buckeye Center for Hearing and Development
2016 – present OSUMC Faculty Leadership Institute
2018 – present OSUMC OTHN Research Committee
2021 – present OSUMC OTHN Diversity, Equity, and Inclusion Committee

PROFESSIONAL SERVICE:

Editorial Service

2008 – 2011 Associate Editor, *Journal of Speech, Language, and Hearing Research*
2010 – present Review Editor, *Frontiers in Language Sciences*
2014 – present Editorial Board Member, *Developmental Science*
2015 – 2019 Associate Editor, *Language and Speech*

Ad-Hoc Journal Reviews

Acta Paediatrica; Attention, Perception, & Psychophysics; Audiology Online; Brain & Language; Child Development; Cochlear Implants International; Cognition; Developmental Psychology; Developmental Science; Ear & Hearing; Early Human Development; Exceptional Children; Infancy; *Infant Behavior and Development; International Journal of Audiology; IEEE Transactions on Cognitive and Developmental Systems; International Journal of Pediatric Otorhinolaryngology; Journal of the American Academy of Audiology; Journal of Bilingual Education and Bilingualism; Journal of Child Language; Journal of Communication Disorders; Journal of Experimental Child Psychology; Journal of Deaf Studies and Deaf Education; Journal of Early Hearing Detection and Intervention; Journal of Experimental Psychology: Human Perception & Performance; Journal of Phonetics; Journal of Speech, Hearing, and Language Research; Journal of the Acoustical Society of America; Language & Speech; Language Acquisition; Language Learning and Development; Laryngoscope; Otology & Neurotology; Psychological Science; Quarterly Journal of Experimental Psychology; Trends in Hearing; Volta Review*

Book Reviews

Brookes Publishing, 2003
Wiley-Blackwell, 2012

National Institutes of Health Service

NIDCD Special Emphasis Panel *CDRC* 2007, 2008, 2015
NIDCD Translating Basic Hearing and Balance Research into Clinical Tools 10/16
NIDCD Loan Repayment Plan, 2009
NIDCD Special Emphasis Panel, *VSLSmall Grant Applications,* 2011
NIDCD Hearing and Balance Fellowships, 2/17, 2/18
NIDCD Hearing and Balance Clinical Trial Review, 9/17, 6/18
Panel Member, Language and Communication (LCOM) study section, 6/13, 2/14, 10/14, 6/17, 7/18-6/22

Additional Grant Reviews

Bowling Green University internal grant, 2006
Economic and Social Research Council, United Kingdom, 2007
NSF Developmental and Learning Sciences Program, 2008, 2013, 2015
March of Dimes Foundation, 2009

Social Sciences and Humanities Research Council of Canada, 2011, 2013
Council for the Humanities of the Netherlands Organization for Scientific Research, 2014
Agence Nationale de la Recherche, France, 2014
Indiana University Research Support Fund Grant, 2014
Israel Science Foundation, 2016
OSU Present's Postdoctoral Scholar Program, 2018

Food and Drug Administration / Center for Devices and Radiological Health
Consultant for Ear, Nose, and Throat Devices Panel of the Medical Devices Advisory Committee Meeting *General Issues: Cochlear Implants in Pediatric Patients,* May 1, 2015

Jusczyk Lab final report
Peter Jusczyk was an internationally recognized expert on infant speech perception who passed away unexpectedly in 2001 and his lab eventually closed in March of 2003. I helped organize an effort to write up the unpublished data from his lab, which resulted in a final report that has been published on the Internet. http://hincapie.psych.purdue.edu/Jusczyk/

Committee Membership
Member of the International Scientific Committee for the *International Speech Communication Association's Workshop on Plasticity in Speech Perception*
Invited Faculty Member for the *Eleventh International Conference on Cochlear Implants in Children (2007)*
Review committee member for the Society for Research in Child Development's 2013 Biennial Meeting

Media Interviews
Television: *Ivanhoe Productions* (National); *WTHR Evening News* (Indianapolis)
Radio: *WFYI* (Indianapolis NPR affiliate)
Print: *Parents* magazine, *American Baby magazine*
OSU media interview (2017, 2019)
Ivanhoe Broadcast News interview (2017)
Doctor Radio interviews (2017, 2019)
Nova Interview (2019)

REFEREED PRESENTATIONS:

1. Houston, D.M., Jusczyk, P.W., & Newsome, M. (November, 1995). Infants' strategies of speech segmentation: Clues from weak/strong words. Paper presented at the 20th Annual Boston University Conference on Language Acquisition, Brookline, Massachusetts.

2. Houston, D.M., Jusczyk, P.W., & Jusczyk, A.M., (April, 1996). The role of syllable stress in young infants' retention of speech information. Poster presented at the International Conference of Infants Studies, Providence, Rhode Island.

3. Kuijpers, C., Coolen, R., & Houston, D. (July, 1996). Early word recognition in the prelinguistic child. Paper presented at the 7th International Congress for the study of Child Language, July, Istanbul, Turkey.

4. Houston, D.M. & Jusczyk, P.W. (July, 1996). The effect of talker variability on infants' recognition of words in fluent speech. Poster presented at the Conference of Laboratory Phonology and Phonetics, Evanston, Illinois.

5. Santelmann, L., Houston, D.M., & Jusczyk, P.W. (November, 1996). 7.5-month-old infants' segmentation of multisyllabic words in fluent speech. Paper presented at the 21st Annual Boston University Conference on Language Development, Brookline, Massachusetts.

6. Kuijpers, C., Coolen, R., Houston, D., & Cutler, A. (December, 1996). The segmentation of fluent speech by Dutch-acquiring infants. Paper presented at the Workshop Evaluation of Head Turn and Intermodal Preferential Looking Procedures for testing Infants' knowledge of Language, Melbourne.

7. Houston, D.M., Jusczyk, P.W., & Tager, J. (November, 1997). Talker-specificity and persistence of infants' word representations. Paper presented at the 22nd Annual Boston University Conference on Language Development, Brookline, Massachusetts.

8. Houston, D.M., Santelmann, L., & Jusczyk, P.W. (April, 1998). 7.5-month-olds' segmentation of three-syllable words from fluent speech. Poster presented at the International Conference of Infant Studies, Atlanta, Georgia.

9. Jusczyk, P.W., & Houston, D.M. (November, 1999). How infants' word segmentation abilities are affected by talker variability. Paper presented at the 138th Meeting of the Acoustical Society of America, Columbus, Ohio.

10. Houston, D.M., & Jusczyk, P.W. (April, 2001). 7.5-month-olds' long-term memory for spoken words. Poster presented at the Society for Research in Child Development Biennial Meeting, Minneapolis, Minnesota (SELECTED FOR PRESS OUTREACH).

11. Houston, D.M. (April, 2001). Words and voices on young ears: The effect of talker variability on 7.5-month-olds' representations of the sound pattern of words. Poster presented at the Society for Research in Child Development Biennial Meeting, Minneapolis, Minnesota.

12. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (August, 2001). Infant speech perception following cochlear implantation: A new method for investigation. Poster presented at the 2001 Conference on Implantable Auditory Prostheses, Pacific Grove, California.

13. Kirk, K.I., Houston, D.M., Pisoni, D.B., Sprunger, A.B., & Kim-Lee, Y. (January, 2002). Talker discrimination and spoken word recognition by adults with cochlear implants. Poster presented at the 2002 MidWinter Meeting for the Association for Research in Otolaryngology, St. Petersburg Beach, Florida.

14. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (January, 2002). Discrimination of speech sounds in deaf infants following cochlear implantation. Poster presented at the 2002 MidWinter Meeting for the Association for Research in Otolaryngology, St. Petersburg Beach, Florida.

15. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (April, 2002). Assessing speech perception and language abilities of deaf infants before and following cochlear implantation. In T. Nazzi & S. Paterson (Co-chairs), *Studies of early language acquisition in*

atypical populations. Symposium conducted at the International Conference on Infant Studies, Toronto, Canada.

16. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (May, 2002). Assessing speech perception and language skills of deaf infants before and after cochlear implantation. Paper presented at the 2nd International Conference on Newborn Hearing Screening, Diagnosis, and Intervention, Villa Erba (Como), Italy.

17. Houston, D.M. (July, 2002). What infants learn about native language sound organization during their first year, and what may happen if they don't. Paper presented at the 2002 Joint Conference of the IX International Congress for the Study of Child Language and the Symposium on Research in Child Language Disorders, Madison, Wisconsin.

18. Houston, D.M., Carter, A.K., Pisoni, D.B., Kirk, K.I., & Ying, E.A. (July, 2002). Word learning by deaf children who use cochlear implants. Poster presented at the 2002 Joint Conference of the IX International Congress for the Study of Child Language and the Symposium on Research in Child Language Disorders, Madison, Wisconsin.

19. Miyamoto, R.T., Houston, D.M., Kirk, K.I., Perdew, A.E., & Svirsky, M.A. (September, 2002). Early implantation: Outcomes and assessment methods. Paper presented at 7th International Cochlear Implant Conference, Manchester, United Kingdom.

20. Houston, D.M. (November, 2002). Assessing speech perception skills in deaf infants following cochlear implantation. In B.A. Henry (Chair), *Cochlear implants in children: Current research directions and application.* Research symposium conducted at the American Speech-Language-Hearing Association's 2002 Annual Convention, Atlanta, Georgia.

21. McDonald, C.J., Kirk, K.I., Krueger, T., & Houston, D.M. (January, 2003). Talker discrimination and spoken word recognition by adults with cochlear implants. Poster presented at the 2003 MidWinter Meeting for the Association for Research in Otolaryngology, Daytona, Florida.

22. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (April, 2003). Deaf infants' attention to and discrimination of speech sounds after cochlear implantation. Paper presented at the 9th Symposium on Cochlear Implants in Children, Washington, DC.

23. Houston, D.M., Ying, E.A., Pisoni, D.B., & Kirk, K.I. (April, 2003). Pre word-learning skills of normal-hearing infants and deaf infants who use cochlear implants. Poster presented at the Society for Research in Child Development Biennial Meeting, Tampa, Florida.

24. Miyamoto, R.T., Houston, D.M., Kirk, K.I., Perdew, A.E., & Svirsky, M.A. (May, 2003). Language and speech development in deaf children and infants following cochlear implantation. Paper presented at the 136th Annual Meeting of the American Otological Society, Nashville, Tennessee.

25. Miyamoto, R.T., Houston, D.M., Kirk, K.I., Perdew, A.E., & Svirsky, M.A. (June, 2003). Rationale for early cochlear implantation in congenitally deaf children. Paper presented at the 4th International Symposium on Electronic Implants in Otology & Conventional Hearing Aids, Toulouse, France.

26. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (November, 2003). Speech perception skills of deaf infants who use cochlear implants. Paper presented at the American Speech-Language-Hearing Association's 2003 Annual Convention, Chicago, Illinois.

27. Houston, D.M, Ying, E.A., Pisoni, D.B, & Kirk, K.I. (May, 2004). Assessing speech perception skills in deaf infants following cochlear implantation. In G. Hollich (Chair), *Do you see what I hear? Infants use of audio visual synchrony in language acquisition*. Research symposium conducted at the 14th Biennial International Conference on Infant Studies, Chicago, Illinois.

28. Bergeson, T.R., Houston, D.M., & Pisoni, D.B. (May, 2004). Audiovisual speech perception in normal-hearing infants and hearing-impaired infants with cochlear implants. In G. Hollich (Chair), *Do you see what I hear? Infants use of audio visual synchrony in language acquisition*. Research symposium conducted at the 14th Biennial International Conference on Infant Studies, Chicago, Illinois.

29. Houston, D.M., Ying, E.A., Pisoni, D.B., & Kirk, K.I. (May, 2004). Deaf infants' ability to learn associations between speech sounds and objects following early cochlear implantation. Paper presented at the VIII International Cochlear Implant Conference, Indianapolis, Indiana.

30. Bergeson, T.R., Houston, D.M., & Pisoni, D.B. (May, 2004). Audiovisual speech perception in normal-hearing infants and hearing-impaired infants with cochlear implants. Poster presented at the VIII International Cochlear Implant Conference, Indianapolis, Indiana.

31. Houston, D.M., Stewart, J., Moberly, A., & Hollich, G. (May, 2004). Early word-learning skills in 2- to 3-year-olds eighteen months after cochlear implantation. Poster presented at the VIII International Cochlear Implant Conference, Indianapolis, Indiana.

32. Bergeson, T. R., Spisak, K., & Houston, D. M. (February, 2005). Attention to infant-directed speech versus adult-directed speech in infants with cochlear implants: A preliminary report. Poster presented at the 28th annual MidWinter research meeting of the Association for Research in Otolaryngology, New Orleans, Louisiana.

33. Horn, D. L., Houston D. M., & Miyamoto R. T., (February, 2005). Discrimination of audio-visually presented nonsense words by normal-hearing infants and hearing-impaired infants who use cochlear implants. Poster presented at the Association for Research in Otolaryngology 2005 MidWinter Meeting, New Orleans, Louisiana.

34. Bergeson, T. R., Houston, D. M., & Pisoni, D. B. (March, 2005). Audiovisual integration of spoken words by hearing-impaired infants with cochlear implants. Poster presented at the 10th Symposium on Cochlear Implants in Children, Dallas, Texas.

35. Horn D.L., Houston D.M., & Miyamoto R.T, (March, 2005). Assessing Speech Discrimination in Individual Infants Using the Visual Habituation Paradigm. Poster presented at the 10th Symposium on Cochlear Implants in Children, Dallas, Texas.

36. Houston, D. M., & Horn, D. L. (March, 2005). Variability in normal-hearing and cochlear implanted infants' speech discrimination performance. Paper presented at the 10th Symposium on Cochlear Implants in Children, Dallas, Texas.

37. Houston, D. M., Stewart, J., Moberly, A., & Hollich, G. (April, 2005). Word learning in deaf toddlers one year after cochlear implantation. Poster presented at the Society for Research in Child Development Biennial Meeting, Atlanta, Georgia.

38. Phan, J. & Houston, D.M. (May, 2006). Infant dialect discrimination. Paper presented at the 5th International Conference on Development and Learning, Bloomington, Indiana.

39. Ting, J., Smith, J., & Houston, D.M. (May, 2006). Determining infant fricative discrimination across test sessions: Is memory a wrench in the works? Poster presented at the 5th International Conference on Development and Learning, Bloomington, Indiana.

40. Bergeson, T. R., Spisak, K., & Houston, D. M. (June, 2006). Attention to infant-directed versus adult-directed speech in normal-hearing infants and hearing-impaired infants with cochlear implants. Paper presented at the XVth Biennial International Conference on Infant Studies, Kyoto, Japan.

41. Horn D. L., Houston D. M., &Miyamoto R. T., (June, 2006). Nonword discrimination skills in deaf infants. Paper presented at the 9th International Conference on Cochlear Implants and Related Sciences, Vienna, Austria.

42. Houston, D. M., Stewart, J., Moberly, A., & Hollich, G. (June, 2006). Auditory word learning in deaf infants and toddlers: Effects of early cochlear implantation. Paper presented at the XVth Biennial International Conference on Infant Studies, Kyoto, Japan.

43. Phan, J. & Houston, D.M. (June, 2006). Infant dialect discrimination. Poster presented at the XVth Biennial International Conference on Infant Studies, Kyoto, Japan.

44. Ting, J., Smith, J., & Houston, D.M. (June, 2006). Infant fricative discrimination using a novel visual habituation paradigm. Poster presented at the XVth Biennial International Conference on Infant Studies, Kyoto, Japan.

45. Ting, J.Y., Holt, R.A., Smith, J.P, Benson, M.K., Houston, D.M., & Miyamoto, R.T.. (April, 2007). Assessing speech discrimination in individual infants: Effects of hearing loss and contrast difficulty. Poster presented at the 11th International Conference on Cochlear Implants in Children, Charlotte, North Carolina.

46. Horn, D.L., Houston, D.M., & Miyamoto, R.T. (April, 2007). Speech discrimination skills of deaf infants with hearing aids or cochlear implants. Paper presented at the 11th International Conference on Cochlear Implants in Children, Charlotte, North Carolina.

47. Houston, D.M., Stewart, J., Moberly, A., Hollich, G., & Miyamoto, R.T. (April, 2007). Very early cochlear implantation facilitates word learning. Poster presented at the 11th International Conference on Cochlear Implants in Children, Charlotte, North Carolina.

48. Brigance, J.S., Schilt, P, Matt B.H., Houston D.M., & Miyamoto R.C (September, 2007). Surgical treatment of obstructive sleep apnea in infants and young toddlers. Paper presented at the Annual Meeting of the American Academy of Otolaryngology-Head & Neck Surgery, Washington, D.C.

49. Ma, W., Golinkoff, R. M., Houston, D., & Hirsh-Pasek, K. (2008, March). Word-Learning in Infant- and Adult-directed Speech. Poster presented at the International Conference on Infant Studies, Vancouver, Canada.

50. Ma, W., Golinkoff, R. M., Houston, D., & Hirsh-Pasek, K., Strober, D. E. (2008, April). Baby talk works!: Word-learning is better with infant- versus adult-directed speech. Paper presented at the Biennial Conference on Human Development, Indianapolis, IN.

51. Ting, J., Houston, D.M., & Miyamoto, R. T. (2008, April). Early infant speech discrimination and later language ability. Paper presented at the 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, CA.

52. Ma, W., Golinkoff, R. M., Houston, D., York, K., Hirsh-Pasek, K., Song, L., Wong, W. (2009, April). Baby talk for better word learning: Infant-directed speech works. Paper presented at the Society for Research in Child Development Biennial Meeting, Denver, CO.

53. Houston, D. M. (2009, May). Attention to speech sounds in normal-hearing and deaf children with cochlear implants. Poster presented at the 157th Meeting of the Acoustical Society of America, Portland, OR.

54. Phan, J. & Houston, D. M. (2009, May). Infant Dialect Discrimination. Poster presented at the 157th Meeting of the Acoustical Society of America, Portland, OR.

55. Shafto, C. L., Field, S. L., Conway, C. M., Tinter, S., & Houston, D. M. (2009, June). Visual sequence learning in infancy: A predictor of later vocabulary? Paper presented at the 12th Symposium on Cochlear Implants in Children, Seattle, WA.

56. Shafto, C. L., Conway, C. M., Field, S. L., & Houston, D. M. (2010, November). *Visual sequence learning in infancy: A domain-general predictor of vocabulary ability.* Paper presented at the Boston University Conference on Language Development. Boston, MA.

57. Houston, D.M. (2011, March). Early word-learning performance predicts later vocabulary in normal-hearing children and in deaf children with cochlear implants. In C. L. Shafto & D. M. Houston (chairs), Maximizing the variance accounted for in language outcomes: Cognitive, linguistic, and attentional predictors. Paper presented at the Society for Research in Child Development Biennial Meeting. Montréal, Québec.

58. Phan, J. and Houston, D.M. (2011, March). Infant Discrimination of Native Vowel Contrasts. Poster presented at the Society for Research on Child Development Biennial Meeting, Montreal, Quebec, Canada.

59. Shafto, C. L., Houston, D. M., Bergeson, T. R., & Miyamoto, R. T. (2011, March). *Visual attention and encoding ability in deaf infants before and after cochlear implantation*. Paper presented at the SRCD pre-conference on the development of deaf and hard of hearing children. Montreal, Quebec, Canada.

60. Shafto, C. L., Conway, C. M., Field, S. L., & Houston, D. M. (2011, March). *Visual sequence learning in infancy: A domain-general predictor of vocabulary*. In C. L. Shafto & D. M. Houston (chairs), Maximizing the variance accounted for in language outcomes: Cognitive, linguistic, and attentional predictors. Paper presented at the Society for Research in Child Development Biennial Meeting. Montreal, Quebec, Canada.

61. Shafto, C. L., Houston, D. M., Bergeson, T. R., & Miyamoto, R. T. (2011, July). *Visual attention and encoding ability in infants with deafness*. Poster presented at the Thirteenth Symposium on Cochlear Implants in Children, Chicago, IL.

62. Segal, O., Kishon-Rabin, L., & Houston, D.M. (2011, July). *Effects of auditory and linguistic experience on infants' sensitivity to lexical stress*. In S. Gillis & D. Ravid, Language in children with a cochlear implant: Cross-linguistic and multi-domain comparisons. Paper presented at the 12th Congress of the International Association for the Study of Child Language. Montreal, Quebec, Canada.

63. Phan, J., Houston, D.M., & Miyamoto, R.T. (2012, January). Cochlear Implantation in Infants Younger than 12 Months of Age. Paper presented at the Triological Society Combined Sections Meeting, Miami, FL.

64. Warner-Czyz, A. and Houston, D. (2012, March). Impact of Reduced Spectral Resolution on Vowel Discrimination in Infants. Paper presented at AudiologyNOW 2012, Boston, MA.

65. Shafto, C. L., Houston, D. M., & Bergeson, T. R. (2012, June). Slower visual habituation in deaf infants: Evidence for effects of auditory deprivation? Poster presented at the XVIII Biennial International Conference on Infant Studies. Minneapolis, MN.

66. Shafto, C. L., Houston, D. M., & Bergeson, T. R. (2013, April). Visual attention and habituation in deaf oral infants. In C. L. Shafto (chair), Sensory and linguistic contributions to the development of attentional processes: Insights from deaf populations. Paper presented at the Society for Research in Child Development Biennial Meeting. Seattle, WA.

67. Schwartz, R. G., Steinman, S., Waldman, Z., Drakoupoulou, G., Ying, E., Houston, D. (2013, October). Lexical Access for Production and Recognition in Children with Cochlear Implants: Eye tracking. Poster presented at the CI 2013 Symposium: Emerging Issues in Cochlear Implantation, Washington, DC.

68. Houston, D.M., & Spann, C. (2014, April). Infant-directed speech reduces English-learning infants' preference for strong/weak versus weak/strong words. Paper presented at the 167th Meeting of the Acoustical Society of America, Providence, RI.

69. Castellanos, I., Houston, D., Chen, Y., Bergeson-Dana, T., Pisoni, D., Smith, L.B. (2014, July). Spoken word learning in infants with hearing loss: The role of parent interactions. In J. Franchak (Chair) What head-mounted eye tracking reveals about infants' active vision. Paper presented at the XIX Biennial International Conference on Infant Studies, Berlin, Germany.

70. Waldman, Z., Schwartz, R.G., Steinman, S., Drakopoulou, G., Houston, D.M., & Ying, E. (2014, November). Wh-Question Comprehension in Children with Cochlear Implants: An Eye Tracking Study. Poster presented at the 2014 American Speech-Language-Hearing Association conference. Orlando, FL.

71. Schwartz, R.G., Steinman, S., Waldman, Z., Ying, E., Drakopoulou, G., & Houston, D.M. (2014, November). Language Processing in Children with Cochlear Implants: Lexical Access. Seminar at the 2014 American Speech-Language-Hearing Association conference. Orlando, FL.

72. Warner-Czyz, A., & Houston, D.M. (2015, October). Vowel discrimination with reduced spectral cues as a function of infant age. Poster presented at the American Cochlear Implant Alliance CI 2015 Symposium, Washington, DC.

73. Houston, D.M. (2016, May). Communication mode and attention to speech after cochlear implantation. Paper presented at the 14th International Conference on Cochlear Implants, Toronto, Canada.

74. Reed, J., Houston, D.M., Bergeson, T., & Dilley, L. (2016, May). Effect of hearing experience on caregivers' pause durations following questions. Poster presented at the 14th International Conference on Cochlear Implants, Toronto, Canada.

75. Dilley, L., Burnham, E., Wieland, E., Houston, D., Kondaurova, M., & Bergeson, T. (2016, July). Prosodic phonological characteristics of speech directed to adults and to infants with and without hearing impairment. Paper presented at LabPhon15 – The 15th Conference on Laboratory Phonology, Ithaca, NY.

76. Fortunato-Tavares, T., Andrade, C., Houston, D., Marton, K., Schwartz, R. (2016, November). Effects of Prosody on Sentence Comprehension in Children With Cochlear Implants. Poster presented at the 2016 ASHA Convention, Philadelphia, PA.

77. Dilley, E., Wieland, E., Burnham, E., Wang, Y., Houston, D. M., Kondaurova, M. V., & Bergeson, T. (2017, June) Prosodic characteristics of speech directed to adults and to infants with and without hearing impairment. Poster presentation at the 173rd Meeting of the Acoustical Society of America, Boston, MA.

78. Chen, C., Castellanos, I., Yu, C., & Houston, D. M. (2017, June). Parental linguistic input and its relation to hearing-impaired and normal-hearing toddlers' visual attention in joint object play. Poster presented at the *Workshop for Egocentric Vision: From Science to Real-World Applications*, Bloomington, IN, USA

79. Wang, Y., Shafto, C., & Houston, D. (2017, July). Attention to speech in deaf infants with cochlear implants. Paper presented at the 15th Symposium on Cochlear Implants in Children (CI2017), San Francisco, CA.

80. Wang, Y., Bergeson, T., Lucius, S., & Houston, D. (2017, July). Attention to infant-directed speech predicts language in deaf infants with cochlear implantation. Poster presentation (also selected as Poster Highlight and presented in oral) at the 15th Symposium on Cochlear Implants in Children (CI2017), San Francisco, CA.

81. Jung, J., Houston, D., Reed, J., & Wagner, L. (2017, July). Proportion of nouns and expressive vocabulary size in young cochlear implant recipients: A preliminary analysis. Poster presented at the 15th Symposium on Cochlear Implants in Children, San Francisco, CA.

82. Abu-Zhaya, R., Kondaurova, M., Seidl, A., & Houston, D. (2017, October). Maternal speech and touch input to children with hearing impairments and their age matching peers. Paper presented at the Many Paths to Language Workshop at the Max Planck Institute, Nijmegen, The Netherlands.

83. Chen, C., Castellanos, I., Yu, C., & Houston, D. M. (2017, October). Parental linguistic input and its relation to toddlers' visual attention in joint object play: A comparison between children with

normal hearing and children with hearing loss. Poster presented at the *Tenth Biennial Meeting of the Cognitive Development Society*, Portland, OR, USA.

84. Monroy, C. D., Chen, C., Castellanos, I., Houston, D. (2017, October). Visual habituation in deaf and hearing infants. Poster presented at the Tenth Biennial Meeting of the Cognitive Development Society, Portland, OR, USA.

85. Dilley, L. C., Wieland, E. A., Wang, Y., Reed, J., Bergeson, T., & Houston, D. (2017, November). Maternal speech predicts language outcomes in children with cochlear implants: Results from a 10-year study. Paper presented at the American Speech-Language-Hearing Association, Los Angeles, California.

86. Dilley, L., Wieland, E., Lehet, M., Arjmandi, M. K., Houston, D., & Bergeson, T. (2018, May). Quality and quantity of infant-directed speech by maternal caregivers predicts later speech-language outcomes in children with cochlear implants. Poster presented at the 157th Meeting of the Acoustical Society of America, Minneapolis, MN.

87. Abu-Zhaya, R., Kondaurova, M., Houston, D., & Seidl, A. (2018, July). Touch and speech input to hearing-impaired children. Paper presented at the XXI International Conference on Infant Studies Biennial Meeting, Philadelphia, PA, USA.

88. Chen, C., Castellanos, I., Yu, C., & Houston, D. M. (2018, July). The Effect of Parental Linguistic Input on Toddlers' Visual Attention: A Comparison between Toddlers with and without Hearing Loss. Poster to be presented at the XXI International Conference on Infant Studies Biennial Meeting, Philadelphia, PA, USA.

89. Monroy, C. D., Chen, C., Castellanos, I., Houston, D. (2018, July). Infant Action Prediction in the Wild. Poster to be presented at CogSci2018: 40th Annual Meeting of the Cognitive Science Society, Madison, WI, USA.

90. Morini, G., Puttre, H, Fritzson, E., Golinkoff, R.M., Morlet, T., & Houston, D.M. (2018, July). An examination of classic infant speech perception tasks and their practical applications beyond the lab. Poster presented at the XXI ICIS Biennial Congress, Philadelphia, PA, USA.

91. Davenport, C., & Houston, D.M. (2019, March). Research on sign language use with children who use cochlear implants: A critical analysis. Paper presented at the 18th Annual EHDI Meeting, Chicago, IL.

92. Reed, J., Johnson, C.D., Houston, D.M., Sentelik, M. Spangler, C., & Steuerwald, W. (2019, March). Parent and Professional Perspectives on Ohio's Early Intervention System for Families with Children who are Deaf or Hard of Hearing: A Community Collaborative Approach to Change. Poster presented at the 18th Annual EHDI Meeting, Chicago, IL.

93. Fritzson, E., Puttre, H., Morini, G., Golinkoff, R., Morlet, T., Houston, D. (2019, March). Measuring word recognition: Can the Preferential Looking Paradigm reliably test individual differences? Poster presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD, USA

94. Williams, R., Wang, Y., Dilley, L., & Houston, D. (2019, March). Auditory chaos is associated with reduced processing efficiency in children with hearing loss. Poster presented at the 2019

Biennial Meeting of the Society for Research in Child Development, Baltimore, MD, USA

95. Steuerwald, W., Sentelik, M., & Houston, D. (2019, March) Children's Hearing and Language Development Resource Network of Ohio: A year of discovery. Paper presented at the 31st Annual Conference of the American Academy of Audiology

96. Safdar, N., Houston, D.M., Castellanos, I. (2019, March) Self-regulation in young deaf toddlers. Paper presented at the 31st Annual Conference of the American Academy of Audiology

97. Cummings, C., Hayakawa, T., Reed, J., Houston, D., & Baylis, A. (2019, April). Phonetic and phonological analysis of speech in infants and toddlers with 22q11.2 deletion syndrome. Paper presented at the 76th Annual Meeting of the American Cleft Palate-Craniofacial Association, Tucson, AZ, USA.

98. Monroy, C., Chen, C., Houston, D., Yu, C. (2019, July). Action prediction during real-time social interactions in infancy. Paper presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Canada.

99. Chen, C., Castellanos, I., Yu, C., & Houston, D. (2019, July). Effects of children's hearing loss on the synchrony between parents' object naming and children's attention to objects in parent-child interactions. Poster presented at CI2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.

100. Williams, R., Wang, Y., Dilley, L., & Houston, D. (2019, July). Auditory household noise reduces processing efficiency in children with hearing loss. Poster presented at CI2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.

101. Monroy, C., Chen, C., Yu, C., Houston, D., & Castellanos, I. (2019, July). A new method for investigating social cognition in deaf infants with cochlear implants. Poster presented at the 2019 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.

102. Castellanos, I., Pisoni, D.B., Kronenberger, W.G., & Houston, D. (2019, July). Early language predictors of long-term psychosocial outcomes. Paper presented at CI2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.

103. Jung, J., Wang, Y., Bergeson, T., & Houston, D. (2019, July). Maternal vocabulary use to children during the first year of hearing: Group comparisons between children and cochlear implants and children with normal hearing. Paper presented at CI2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.

104. Wang, Y., Jung, J., Bergeson, T., Wright, N., & Houston, D. (2019, July). Word repetition properties in maternal speech predict language development in children with cochlear implants. Paper presented at CI2019: 16th Symposium on Cochlear Implants in Children, Hollywood, FL.

105. Chen, C., Castellanos, I., Yu, C., & Houston, D. M. (2020, July). Children's hearing loss affects the synchrony between parents' object naming and children's attention to objects in parent-child interactions. Paper presented at the 22nd Biennial Meeting of the International Congress of Infant Studies, Glasgow, U.K.

106. Chen, C., Castellanos, I., Yu, C., & Houston, D. M. (2020, July). Children's hearing status affects what leads to coordinated attention in parent-toddler interactions. Poster presented at the 2020

Virtual International Congress of Infant Studies (vICIS 2020).

107. Cooke M., Wang, Y., Reed, J., Dilley, L., & Houston, D. (2020, July). Paternal education as a predictor of linguistic input to children with normal hearing and hearing loss. Poster presentation at the 2020 International Conference on Infant Studies (ICIS) Biennial Meeting, July 6-9, 2020, Glasgow, UK.

108. Wang, Y., Cooke M., Reed, J., Dilley, L., & Houston, D. (2020, July). Auditory environment experienced by children with normal hearing and children with cochlear implants. Poster presentation at the 2020 International Conference on Infant Studies (ICIS) Biennial Meeting, July 6-9, 2020, Glasgow, Scotland.

109. Houston, D., Wang, Y., Reed, J., Jung, J. (2020, July). Conversational turns and word learning in infants with cochlear implants. Oral Presentation at the 2020 International Conference on Infant Studies (ICIS) Biennial Meeting, July 6-9, 2020, Glasgow, UK.

110. Monroy, C., Yu, C., Houston, D. M. (2020, July). Sensorimotor coordination in infants with hearing loss. Poster presented at the 2020 Virtual International Congress of Infant Studies (vICIS 2020).

111. Monroy, C., Shafto, C., Castellanos, I., Bergeson, T., Houston, D. M. (2020, July). Visual habituation in deaf and hearing infants. Poster presented at the 2020 Virtual International Congress of Infant Studies (vICIS 2020).

112. Cooke, M., Wang, Y., Davenport, C., & Houston, D. (2021, March) Increased Paternal Linguistic Input to Children with Hearing Aids during the COVID-19 Pandemic. Poster presentation at the 2021 Early Hearing Detection and Intervention (EHDI) Annual Conference, March 2-4, 2021.

113. Monroy, C., Cooke, M., Devenport, C., Uhler, K., Warner-Czyz, A., Wang, Y., & Houston, D. (2021, March). Language Development during the Covid-19 Pandemic. Poster presentation at the 2021 Early Hearing Detection and Intervention (EHDI) Annual Conference, March 2-4, 2021.

114. Davenport, C., Houston, D., Bowdrie, K., & Frush Holt, R. (2021, March). The role of early intervention in parental self-efficacy for families of children who are deaf/hard-of-hearing. Poster presentation at the 2021 Early Hearing Detection and Intervention (EHDI) Annual Conference. March 2-4, 2021.

115. Cooke, M., Davenport, C.A., & Houston, D.M. (2022, March). *Pandemic-related changes to language environment and development for deaf and hard-of-hearing children.* Poster presented at the 20th Annual Early Hearing Detection & Intervention Meeting. Cincinnati, OH.

116. Findlen, U.M., Davenport, C.A., Houston, D.M., Frush Holt, R., & Hunter, L. (2022, March). *Barriers to and facilitators of EHDI: Learning from our past for a better future*. Paper presented at the 20th Annual Early Hearing Detection & Intervention Meeting. Cincinnati, OH.

117. Houston, D.M. (2022, May). *The relationship between language input and language outcomes in children with cochlear implants: It's complicated***.** Poster presented at the ACIA CI2022 Meeting: Emerging Issues in Cochlear Implants. Washington, DC.

118. Bowdrie, B.A., Holt, R.F., Houston, D.M. (2022, May). *The Interaction between Temperament and Family-Related Environmental Confusion on Spoken Language in Children who are Deaf*

and Hard-of-Hearing. Poster presented at the ACIA CI2022 Meeting: Emerging Issues in Cochlear Implants. Washington, DC.

119. Castellanos, I., & Houston, D.M. (2022, May). *Temperament in children with hearing loss.* Paper presented at the ACIA CI2022 Meeting: Emerging Issues in Cochlear Implants. Washington, DC.

120. Arjmandi, M., Houston, D.M., & Dilley, L. (2022, May). Children with Cochlear Implants Experience Linguistic Environments with Substantially Different Quantity and Quality. Paper presented at the ACIA CI2022 Meeting: Emerging Issues in Cochlear Implants. Washington, DC.

REFEREED SYMPOSIA:

1. Symposium Co-Chair (2011, March): *Maximizing the variance accounted for in language outcomes: Cognitive, linguistic, and attentional predictors*. Symposium presented at the Society for Research in Child Development Biennial Meeting. Montréal, Québec.

INVITED MEETINGS:

1. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (January, 2002). Early language development: An overview of normal-hearing infants and some new findings with infant cochlear implant recipients. Paper presented at the Presidential Symposium of the 2002 MidWinter Meeting for the Association for Research in Otolaryngology, St. Petersburg Beach, Florida.

2. Houston, D.M. (April, 2002). Potential benefits of cochlear implantation in infants. In S. Trehub (Chair), *Pros and cons of early cochlear implantation.* Invited debate conducted at the International Conference on Infant Studies, Toronto, Canada.

3. Houston, D.M. (April, 2002). Infant word recognition across talker variability. In R. Aslin (chair), *A tribute to the contributions of Peter W. Jusczyk.* Invited symposium conducted at the International Conference on Infant Studies, Toronto, Canada.

4. Houston, D.M., & Pisoni, D.B. (June, 2002). Early speech perception and language development in normal-hearing and deaf infants following cochlear implantation. In K.T. Houston (Chair), *The role of audition in spoken language.* Invited research symposium conducted at the 2002 AG Bell Convention, St. Louis, Missouri.

5. Houston, D.M., Pisoni, D.B., Kirk, K.I., Ying, E.A., & Miyamoto, R.T. (May, 2003). Speech perception and language skills in infant cochlear implant users: Some new methods and findings. Paper presented at the 9th Friedberg Cochlear Implant Symposium, Friedberg, Germany.

6. Houston, D.M. (March, 2004). Le abilità percettive nel bambino ipoacusico. Invited lecture at duel conferences titled *Diagnosi e strategie di inervento nei disturbi dello sviluppo e della comunicazione in età evolutiva* held in Padova, Italy (March 18th-20th) and in Cortina d'Ampezzo, Italy (March 21st-27th).

7. Houston, D.M. (March, 2004). Modelli di acquisizione della percezione verbale. Invited lecture at duel conferences titled *Diagnosi e strategie di inervento nei disturbi dello sviluppo e della*

comunicazione in età evolutiva held in Padova, Italy (March 18th-20th) and in Cortina d'Ampezzo, Italy (March 21st-27th).

8. Houston, D.M. (April, 2004). Assessing speech perception and language in infants with cochlear implants. In K.H. Franck (moderator) *Outcomes of Cochlear Implantation in Very Young Children.* Featured Session at the American Academy of Audiology 2004 Convention, Salt Lake City, Utah.

9. Miyamoto, R.T., Kirk, K.I., & Houston, D.M. (May, 2004). Rationale for early cochlear implantation. Paper presented at the VIII International Cochlear Implant Conference, Indianapolis, Indiana.

10. Houston, D.M. (September, 2004). Behavioral assessment of speech perception in deaf infants following cochlear implantation. In D. Hayes (Moderator) *Pediatrics Round Table*. Invited round table conducted at the XXVIIth International Congress of Audiology, Phoenix, Arizona.

11. Houston, D. M. (February, 2005). English-learning infants' segmentation of words from fluent speech. Paper presented at The Workshop on Early word segmentation: A crosslinguistic approach taking advantage of Europe's linguistic diversity, Paris, France.

12. Miyamoto, R.T., Houston, D. M., & Bergeson, T.R (June, 2006). Cochlear implantation in infants. Paper presented at the 9th International Conference on Cochlear Implants and Related Sciences, Vienna, Austria.

13. Houston, D.M. (October, 2006). Word-learning skills in infants and children with cochlear implants. Paper presented at the Spoken Language Development for Children with Cochlear Implants Conference, Alfred I. DuPont Hospital for Children, Wilmington, Delaware.

14. Houston, D.M. (February, 2008). Attention to and discrimination of speech after cochlear implantation; Encoding of speech: Word learning in children after cochlear implantation. In J. Madell and R. Schwartz (Co-Chairs) *Controversial issues in pediatric audiology.* Invited educational outreach program organized by The Children's Hearing Institute and the City University of New York Graduate Institute, New York, NY.

15. Houston, D. M. (June, 2009). Effects of Early Auditory Experience on Word Learning in Deaf Children with Cochlear Implants: Implications for Sensitive Periods of Language Development. Paper presented at 12th Symposium on Cochlear Implants in Children, Seattle, Washington.

16. Houston, D. M. (February, 2010). Word Learning in Deaf Children with Cochlear Implants. Paper presented at the annual meeting for American Association for the Advancement of Science. San Diego, CA (***selected for a press conference***)

17. Houston, D. M. (February, 2010). Early speech perception and word-learning skills in deaf infants with cochlear implants. Paper presented at the Symposium "CI in toekomstperspectief" (Cochlear Implants in Young Children), UMC St Badbout, Nijmegen, The Netherlands.

18. Houston, D. M. (May, 2010). Listening versus hearing: Attention to speech in deaf infants with cochlear implants. Paper presented at the workshop *Beyond Hearing: Current investigations in listening and language skills of cochlear implant users,* Leiden University, The Netherlands.

19. Houston, D.M. (February, 2011). Attention to and discrimination of speech after cochlear implantation; Encoding of speech: Word learning in children after cochlear implantation. In R. Schwartz (Chair) *Controversial issues in pediatric audiology.* Invited educational outreach program organized by The Children's Hearing Institute and the City University of New York Graduate Institute, New York, NY.

20. Houston, D.M. (May, 2011). Deaf infants' attention to speech after cochlear implantation. In L.A. Werner and E. Buss (Co-Chairs) *Psychological and physiological acoustics and animal bioacoustics: Advances in auditory development.* Special session at the 161st Meeting of the Acoustical Society of America. Seattle, WA (***Selected for press outreach***).

21. Houston, D.M. (September, 2012). The Ear is Connected to the Brain: Why Connecting the Ear to the Brain Early Facilitates Language Development. Paper presented at the Indiana Speech-Language-Hearing Association 6th Annual Fall Conference, Indianapolis, IN.

22. Houston, D.M. (November, 2012). Clinical Screening Tool for Language Development in Infants. Poster presented at the IUPUI Innovation to Enterprise Showcase & Forum, Indianapolis, IN.

23. Houston, D.M. (October, 2013). The Role of Early Auditory Experience on the Development of Word-Learning Skills After Cochlear implantation. Paper presented at the CI 2013 Symposium: Emerging Issues in Cochlear Implantation, Washington, DC.

24. Houston, D.M. (April, 2014). Effects of early auditory deprivation on auditory-visual development. In R. Remez and R. Theodore (Co-Chairs) *Determinants of Speech Perception: A Session in Honor of Joanne L. Miller*. Invited symposium at the 167th Meeting of the Acoustical Society of America, Providence, RI.

25. Houston, D.M. (December, 2014). Outcomes for infants implanted before 12 months. Paper presented at the 14th Symposium on Cochlear Implants in Children, Nashville, TN.

26. Houston, D.M. (June, 2017). Using Egocentric Vision to Investigate Novel Word Learning in Deaf Children Who Use Cochlear Implants. Paper presented at the workshop for Egocentric Vision: From Science to Real-World Applications, Bloomington, IN.

27. Houston, D.M. (July, 2017). The Role of Language Input on Word-Learning Skills after Cochlear Implantation. Paper presented at the 15th Symposium on Cochlear Implants in Children, San Francisco, CA.

28. Houston, D.M. (June, 2019). Real-time mechanisms of word learning during social interaction in young deaf children with cochlear implants. Keynote presentation at the Workshop on Infant Language Development (WILD 2019), Potsdam, Germany.

29. Houston, D.M. (November, 2019). Development of spoken word-learning skills after cochlear implantation: Access to sound is just the beginning. Keynote presentation at the 3rd International Conference on Teaching Deaf Learners, Haarlem, The Netherlands.

30. Houston, D.M. (August, 2020). Qualities of parent-child interactions with paediatric hearing loss and the potential impact on word learning. Keynote presentation at Perspectives on Language in Children with Hearing Loss Workshop, Sydney, Australia (held virtually due to COVID-19).

31. Cooke, M., Davenport, C., & Houston, D. (October, 2021). Increased paternal linguistic input to children with hearing aids during the COVID-19 pandemic. NCHAM Webinar.

INVITED SEMINARS:

1. Houston, D.M. (March, 1998). Infants' segmentation strategies of words from fluent speech and the nature of their word representations. Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands.

2. Houston, D.M. (April, 1998). The role of lexical stress in 7.5-month-olds' segmentation of words from fluent speech. University of Potsdam Department of Linguistics, Potsdam, Germany.

3. Houston, D.M. (May, 1998). Infants' representations of talker-specific information in their word representations: Evidence for an episodic lexicon. Laboratoire de Sciences Cognitives et Psycholinguistique Lab Meeting, Paris, France.

4. Houston, D.M. (April, 1999). The role of talker variability in infants' formation of word representations. Speech Research Lab, Indiana University, Bloomington, Indiana.

5. Houston, D.M. (April, 1999). English-learning infants' segmentation and recognition of words from fluent speech. DeVault Otologic Research Lab, Indianapolis, Indiana.

6. Houston, D.M. (February, 2000). Words and voices on young years: Infant word recognition across different talkers. Speech Research Lab, Indiana University, Bloomington, Indiana.

7. Houston, D.M. (October, 2000). 7.5-month-old English-learning infants' use of lexical stress to segment words from fluent speech. Speech and Hearing Department, Indiana University, Bloomington, Indiana.

8. Houston, D.M. (February, 2002). The role of talker variability in forming word representations during infancy. Department of Psychological Sciences, Purdue University, West Lafayette, Indiana.

9. Houston, D.M. (March, 2003). Beyond newborn hearing screening: Testing the effectiveness of interventions during infancy. Indiana State Department of Health Advisory Council on Newborn Hearing Screening, Indianapolis, Indiana.

10. Houston, D.M. (February, 2004). Assessing speech perception skills in deaf infants following cochlear implantation. Fontbonne University, St. Louis, Missouri.

11. Houston, D.M. (February, 2005). Speech perception and language skills in deaf infants with cochlear implants. Ph.D. Program in Speech and Hearing, City University of New York Graduate Center.

12. Houston, D.M. (March, 2005). Speech perception and language skills in infants who are deaf and use cochlear implants. Laboratoire Cognition et Développement; CNRS - Université René Descartes, Paris, France.

13. Houston, D.M. (March, 2005). Speech perception and language skills in infants who are deaf and use cochlear implants. Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands.

14. Houston, D.M. (March, 2005). Speech perception and language skills in infants who are deaf and use cochlear implants. Department of Speech and Hearing Sciences, University of Washington, Seattle, Washington.

15. Houston, D.M. (October, 2006). Word-learning skills in infants and children with cochlear implants. School of Education, University of Delaware, Wilmington, Delaware.

16. Houston, D.M. (January, 2007). The Riley Hospital Infant Language Laboratory. Psi Iota Xi Sorority, Carmel, IN.

17. Houston, D.M. (March, 2007). Word learning in deaf infants and children after cochlear implantation. Department of Psychological Sciences, Purdue University, West Lafayette, Indiana.

18. Houston, D.M. (October, 2007). Assessing early language skills in deaf infants who use cochlear implants. Children's Hearing Institute, New York, NY.

19. Houston, D.M. (October, 2007). Word Learning in Young Deaf Children with Cochlear Implants: Effects of Early Auditory Experience. Ph.D. Program in Speech-Language-Hearing Sciences, CUNY Graduate School and University Center, New York, NY.

20. Houston, D.M. (October, 2010). Predictors of Language Outcomes in Deaf Infants with Cochlear Implants. Department of Communication Disorders, Tel Aviv University, Tel Aviv, Israel.

21. Houston, D.M. (October, 2010). Listening versus hearing: Attention to speech in deaf infants with cochlear implants. Ph.D. Program in Speech-Language-Hearing Sciences, CUNY Graduate School and University Center, New York, NY.

22. Houston, D.M. (April, 2013). Effects of age at cochlear implantation on speech perception and word-learning skills: Evidence for multiple sensitive periods of language development. Laboratoire Cognition et Développement; CNRS - Université René Descartes, Paris, France.

23. Houston, D.M. (April, 2013). Listening versus hearing: Attention to speech in deaf infants with cochlear implants. University of Potsdam Language Acquisition Colloquium, Potsdam, Germany.

24. Houston, D.M. (April, 2013). Effects of age at cochlear implantation on speech perception and word-learning skills: Evidence for multiple sensitive periods of language development. University of Potsdam Visiting Scholar Series, Potsdam, Germany.

25. Houston, D.M. (March, 2014). The ear is connected to the brain: Linguistic and cognitive development in deaf children who receive cochlear implants. Department of Psychology, University of Oregon, Eugene, OR.

26. Houston, D.M. (March, 2014). The ear is connected to the brain: Effects of early auditory deprivation and cochlear implantation on perceptual-cognitive development. Department of Otolaryngology Grand Rounds, Oregon Health Sciences University, Portland, OR.

27. Houston, D.M. (October, 2016). The ear is connected to the brain: Linguistic and cognitive development in deaf children who receive cochlear implants. Ohio University, Athens, OH.

28. Houston, D.M. (January, 2017). Babytalk and Hearing Loss: The Role of Input on Language Development after Cochlear Implantation. Cincinnati Children's Hospital, Cincinnati, OH.

29. Houston, D.M. (February, 2019). Joint attention and word learning in deaf children with cochlear implants. University Seminar on Language and Cognition at Columbia University, New York, NY.

30. Houston, D.M. (March, 2019). Joint attention and word learning in deaf children with cochlear implants. Early Intervention Research Group, Department of Communication Sciences and Disorders, Northwestern University, Evanston, IL.

31. Houston, D.M. (November, 2019). Real-time mechanisms of word learning during social interaction in young deaf children with cochlear implants. Laboratoire Cognition et Développement; CNRS - Université René Descartes, Paris, France.

DEPARTMENTAL TALKS AND MISCELLANEOUS SEMINARS:

1. Houston, D. M. (July, 2009). Predictors of Language Outcomes in Deaf Infants with Cochlear Implants: Implications for Intervention Strategies. DeVault Otologic Research Lab, Indiana University School of Medicine.

2. Houston, D. M. (October, 2001). Assessing speech perception and language skills of deaf infants before and after cochlear implantation: A progress report on our recent findings. DeVault Otologic Research Lab, Indiana University School of Medicine.

3. Phan, J., Houston, D.M., and Miyamoto, R.T. (2011, June). Cochlear Implantation in Infants Younger than 12 Months of Age. Presentation at the Manion-Lingeman Lecture and Research Symposium, Indianapolis, IN.

4. Houston, D.M. (2016, June). The Ear is Connected to the Brain: The Role of Early Auditory Experience on Neurocognitive Development. OSU Department of Otolaryngology 24th Annual Alumni Symposium.

5. Houston, D.M. (2019, June). Introducing CHLDRN of Ohio Community Collaborative for Improving Early Intervention in Children with Hearing Loss. OSU Department of Otolaryngology 27th Annual Alumni Symposium.

Conference Panels:

1. Optimizing outcomes after cochlear implantation panel (Chair: Moberly, A.C.). OSU Department of Otolaryngology 26th Annual Alumni Symposium (June, 2018).

2. Panel Discussion. Workshop on Infant Language Development, Potsdam, Germany (June, 2019).