

RACHAEL FRUSH HOLT

The Ohio State University
Department of Speech and Hearing Science
110 Pressey Hall, 1070 Carmack Road
Columbus, OH 43210

EDUCATION

B.S.	University of Minnesota Speech and Hearing Sciences Psychology, minor	1996
M.A.	University of Minnesota Communication Disorders, emphasis in Audiology	1999
Ph.D.	University of Minnesota Communication Disorders, emphasis in Hearing Science	2003

PROFESSIONAL EXPERIENCE

University of Minnesota, Department of Communication Disorders		
Research Assistant		1997-2003
Teaching Assistant		2000-2002
Clinical Supervisor in Audiology		2001-2002
Mayo Clinic – Rochester, Department of Otolaryngology, Audiology Section		
Clinical Fellow in Audiology		1999-2000
Indiana University School of Medicine, Department of Otolaryngology Head and Neck Surgery, DeVault Otologic Research Laboratory		
NIH Postdoctoral Research Fellow		2003-2005
Indiana University		
Assistant to Associate Professor, Department of Speech and Hearing Sciences		2005-2013
Associate Member, Cognitive Science Program Faculty		2009-2013
Adjunct Assistant Professor, Department of Otolaryngology-Head and Neck Surgery, Indiana University School of Medicine		2011-2014
Adjunct Associate Professor, Department of Speech and Hearing Sciences		2013-2014
The Ohio State University		
Professor, Department of Speech and Hearing Science		2020-present
Professor, Department of Otolaryngology, College of Medicine		2020-present
Associate Director, Center for Cognitive and Brain Sciences		2018-present
Associate Professor, Department of Speech and Hearing Science		2013-2020

LICENSES AND CERTIFICATIONS

Certificate of Clinical Competence in Audiology, ASHA	2000-present
Title Registered Audiologist with the Minnesota Department of Health	2001-2004
Hearing Instrument Dispenser Certification in Minnesota	2001-2004

RESEARCH SUPPORT

American Speech-Language-Hearing Foundation Student Research Grant in Audiology Project title: "Non-sensory factors in children's speech perception" Role: Principal Investigator Award amount: \$2,000	2002
National Institutes of Health – NIDCD Research Service Award for Individual Predoctoral Fellows Grant Number 1 F31 DC05919 Project title: "Non-sensory factors in children's speech perception" Role: Principal Investigator Award amount: \$27,120	2002-2003
American Speech-Language-Hearing Foundation Research Grant for New Investigators Project title: "A test of audiovisual integration for children with sensory aids" Role: Principal Investigator Award amount: \$5,000	2005
American Hearing Research Foundation Project title: "Assessing audiovisual sentence recognition in children with sensory aids" Role: Principal Investigator Award amount: \$19,904	2005-2006
Indiana University Summer Faculty Fellowship Project title: "Developing a speech discrimination procedure for clinical pediatric populations" Role: Principal Investigator Award amount: \$8,000	2006
American Speech-Language-Hearing Foundation Research Grant for New Investigators (Carolyn Richie, PI) Project title: "The contribution of visual cues for vowels and consonants to speech recognition by listeners with hearing loss" Role: Consultant Award amount: \$5,000	2006
National Institutes of Health – NIDCD Grant Number R01 DC009581 (David Pisoni, PI) Project title: "Neurocognitive processes in deaf children with cochlear implants" Role: Consultant Award amount: \$3,098,452	2008-2014

Indiana University	2009-2010
Faculty Research Support Program	
Project title: "Toddlers' speech sound discrimination: A potential diagnostic predictor"	
Role: Principal Investigator	Award amount: \$44,745
National Institutes of Health – NIDCD	2009-2012
Grant Number R21 DC010027 (Tessa Bent, PI)	
Project title: "Children's perception of foreign-accented speech"	
Role: Consultant	Award amount: \$357,207
Indiana University	2009-2010
Faculty Research Support Program (Siang Lee Hong, PI)	
Project title: "Hearing loss, working memory, and visuomotor development in children"	
Role: Co-investigator	Award amount: \$37,574
National Institutes of Health – CHHD	2010-2013
Grant Number T32 HD007475 (Linda Smith, PD)	
Project title: "Training Program in Integrative Developmental Processes"	
Role: Core Faculty	Award amount: \$1,053,971 (Y1-Y3)
Indiana University	2012-2013
Indiana University Collaborative Research Grant	
Project title: "Family Environment and its Role in Outcomes in School-Age Children with Hearing Loss"	
Role: Principal Investigator	Award amount: \$67,064
National Science Foundation	2018-2021
Grant Number 1461039 (Kathryn Campbell-Kibler Nikole Patson, PIs)	
Project title: "REU Site: The Science of Language and the Language of Science"	
Role: Faculty Mentor	Award amount: \$353,750
Indiana and Purdue Universities	2016-2017
Indiana Clinical and Translational Science Award (funded by the NIH)	
Project title: "Executive Functioning in Children and Adolescents with Mild to Severe Hearing Loss: A Pilot Study" (William Kronenberger, PI)	
Role: Co-Investigator	Award amount: \$22,957
National Institutes of Health – NIDCD	8/1/2016-7/31/2023
Grant Number R01 DC014956 (David Pisoni, Co-PI)	
Project title: "Family Processes in Developmental Outcomes of Pediatric Hearing Loss"	
Role: Principal Investigator	Total Costs: \$2,554,843
National Institutes of Health – NIDCD	3/1/2017-2/28/2020
Grant Number R21 DC06134 (Irina Castellanos, PI)	
Project title: "Psychosocial Outcomes in Deaf Children with Cochlear Implants"	

Role: Consultant	Total Direct Costs: \$477,866
Oberkötter Foundation	8/1/2017-7/31/2018
Community Collaboration – Planning Grant (Derek Houston, PD)	
Project title: “Children’s Hearing and Language Development Resource Network (CHLDRN) of Ohio”	
Role: OSU SHS Representative	Award amount: \$98,937
National Institutes of Health – NIDCD	8/1/2017-7/31/2019
Grant Number 1R56 DC015492 (Tina Grieco-Calub, PI)	
Project title: “Effects of hearing experience on audiovisual speech perception in children”	
Role: Consultant	Total Direct Costs: \$402,530
National Science Foundation	3/1/2020-8/31/2023
Grant Number BCS – 1941662 (Tessa Bent, co-PI)	
Project title: “Collaborative research: How accent distance impacts word recognition across development”	
Role: Co-PI	Total Direct Costs: \$415,752
National Institutes of Health – NIDCD	3/1/2020-2/28/2025
Grant Number R01 DC018596 (Tina Grieco-Calub, PI)	
Project title: “The influence of visual speech on lexical access in children”	
Role: Consultant	

ACADEMIC AND PROFESSIONAL HONORS

Phi Beta Kappa Honor Society	
Member	1996
American Academy of Audiology	
Student Research Forum Award Winner	2002
Project title: “Evaluating the benefit of directional patterns in hearing aids”	
Minnesota Speech-Language-Hearing Foundation	
Scholarship Recipient	2002
Association for Research in Otolaryngology Audiologist Travel Award	2005
<i>Nature</i> featured a story on my research on the importance of early cochlear implantation: Peplow, M. (2005). Language learning declines after second year of life. <i>Nature</i> . [http://www.nature.com/news/2005/050516/full/news050516-1.html]	2005
American Speech Language Hearing Association <i>Lessons for Success Conference: Developing the Emerging Scientist</i> Fellowship	2008
<i>ASHA Leader</i> featured my research on the cochlear implantation in infants younger than 12 months of age: Early Cochlear Implantation, <i>ASHA Leader</i> (September 23, 2008).	2008
Trustees Teaching Award, Indiana University	2009
Paper selected for dissemination to the media through the World Wide Press Room, Acoustical Society of America, Portland, OR. Lay-language	2009

paper title: *Keepin' it real: The importance of maintaining the natural color spectrum of video recordings*

ASHA Leader featured my research on the role of family environment in pediatric cochlear implant outcomes: Development in Children with CIs. *ASHA Leader* (March 13, 2012). 2012

Provost Travel Award, Indiana University 2013

International Travel Grant (\$2500), Ohio State University 2017

Invited research symposium speaker, AG Bell Listening and Spoken Language Symposium, Madrid, Spain (June 30 – July 3, 2019) 2019

Citation of Merit, Society for Music Theory 2019

Routledge Companion to Music Cognition

Invited chapter in this volume: Bergeson, T. R., & Holt, R. F. (2017). Assisted music listening in hearing impairment. In R. Ashley & R. Timmers (Eds.), *The Routledge Companion to Music Cognition* (pp. 237-248). New York, NY: Routledge

STUDENT HONORS

Aileen Wong

American Speech-Language-Hearing Association 2008

Minority Student Leadership Program Fellowship

Conference registration waiver for quality of student paper submission

Say that again: The effects of repetition on speech discrimination

Kaylah Lalonde

Indiana University GPSO/TUGS Recognition Award 2010

Featured as Graduate Student of the Month

National Institutes of Health/American Auditory Society 2011

Resident and Graduate Student Poster Session Awardee

Modified Change/No-Change procedure for assessing toddlers' speech discrimination

National Institutes of Health/American Auditory Society 2012

Resident and Graduate Student Poster Session Awardee

Accounting for variability in normal-hearing toddlers' speech discrimination

National Institutes of Health/American Auditory Society 2013

Resident and Graduate Student Poster Session Awardee

Four-year-olds benefit from Integration of Auditory and Visual Speech Cues

American Speech-Language-Hearing Association 2013

Audiology/Hearing Science Research Travel Award

Benefit from Integration of Auditory and Visual Speech Cues in Preschoolers

Kierra Villines

Acoustical Society of America 2011

Undergraduate Research Exposition Travel Awardee
The influence of talker and accent variability on spoken word identification and discrimination

Lindsay Smith

Indiana University Chuck Watson Thesis Award 2012
Assessing toddlers' audiovisual speech perception

Sarah Mabie

The Ohio State University 2014
Arts and Sciences Honors Committee Undergraduate Research Scholarship
*Individual Differences in Children's Perception of Foreign-Accented Speech:
The Role of Temperament*

The Ohio State University 2015
Weisenberger Undergraduate Research Writing Award
*Individual Differences in Children's Perception of Foreign-Accented Speech:
The Role of Temperament*

Angela Hill

The Ohio State University 2014
Arts and Sciences Honors Committee Undergraduate Research Scholarship
*Individual Differences in Children's Perception of Foreign-Accented Speech:
The Role of Executive Function*

The Ohio State University 2014
Undergraduate Research Scholar Award
*Individual Differences in Children's Perception of Foreign-Accented Speech:
The Role of Executive Function*

Katherine Miller

The Ohio State University 2017
Center for Cognitive and Brain Sciences Summer Graduate Fellowship
Children's Perception of Accented Speech

Andrew Blank

The Ohio State University 2018
Center for Cognitive and Brain Sciences Summer Graduate Fellowship
*Contributions of Caregiver Stress and Self-Efficacy to Language and
Neurocognitive Outcomes for Children with Hearing Loss*

National Institutes of Health/American Auditory Society 2019
Resident and Graduate Student Poster Session Awardee
*Parental Stress Affects Inhibitory Control via Language in Children with Hearing
Loss*

Council on Academic Program in Communication Sciences and Disorders CAPSCD PhD Scholarship	2020
American Speech-Language-Hearing Association Awarded Meritorious Poster Designation <i>Associations Between Paternal Play and Executive Function in Children with Hearing Loss</i>	2021
<i>Kristina Bowdrie</i>	
American Academy of Audiology 2019 James and Susan Jerger Award for Excellence in Student Research <i>Naturalistic Use of Tense and Aspect in Children with Hearing Loss</i>	2019
The Ohio State University Center for Cognitive and Brain Sciences Summer Graduate Fellowship <i>The influence of temperament and family-related environmental confusion on spoken language in children who are deaf or hard-of-hearing</i>	2020
The Ohio State University Speech and Hearing Science DEI Student Retention Award	2020
American Cochlear Implant Alliance Best Student Poster in Audiology Award <i>The interaction between temperament and family-related environmental confusion on spoken language in children who are deaf and hard-of-hearing</i>	2022
American Academy of Audiology Foundation & Oticon, Inc. 2022 Empowering Students Scholarship	2022
<i>Izabela Jamsek</i>	
American Academy of Audiology 2019 James and Susan Jerger Award for Excellence in Student Research <i>Maternal Sensitivity and Developmental Outcomes in Hearing Children and Children with Hearing Loss</i>	2019
American Academy of Audiology Foundation 2022 Jerry Northern Scholarship in Pediatric Audiology	2022
<i>Jada Hudgins</i>	
Council on Undergraduate Research Selected to Represent OSU's REU Program at the <i>Research Experiences for Undergraduates Symposium</i> , Alexandria, VA	2019
<i>Holly Lind-Combs</i>	
Ohio State University 3 rd place awardee in the Social and Behavioral Sciences division at the 35 th	2021

Edward F. Hayes Graduate Research Forum, Virtual
Parental Stress Influences Parents' Sensitivity to Language Needs of Children with Hearing Loss

American Speech Language Hearing Association 2021
Audiology/Hearing Science Research Travel Award
The Effect of Parent Mental State Language on Inhibitory Control in Children with Hearing Loss

The Ohio State University 2021
Center for Cognitive and Brain Sciences Summer Graduate Fellowship
Using Dynamic Time Warping and Levenshtein Distances to Predict Variability in Perception of Non-Ambient Accents

Council on Academic Program in Communication Sciences and Disorders 2023
CAPSCD PhD Scholarship

PUBLICATIONS

Refereed Articles

1. **Holt, R. F.**, & Kirk, K. I. (2005). Speech and language development in cognitively delayed children with cochlear implants. *Ear and Hearing, 26*, 132-148.
2. **Holt, R. F.**, Kirk, K. I., Eisenberg, L. S., Martinez, A. S., & Campbell, W. (2005). Spoken word recognition development in children with residual hearing using cochlear implants and hearing aids in opposite ears. *Ear and Hearing, 26* (Suppl.), 82S-91S.
3. **Holt, R. F.**, & Carney, A. E. (2005). Multiple looks in speech sound discrimination in adults. *Journal of Speech, Language, and Hearing Research, 48*, 922-943.
4. **Holt, R. F.**, & Carney, A. E. (2007). Developmental effects of multiple looks in speech sound discrimination. *Journal of Speech, Language, and Hearing Research, 50*, 1404-1424.
5. Kirk, K. I., Hay-McCutcheon, M. J, **Holt, R. F.**, Gao, S., Qi, R., & Gehrlein, B. L. (2007). Audiovisual spoken word recognition by children with cochlear implants. *Audiological Medicine, 5*, 250-261.
6. **Holt, R. F.**, & Svirsky, M. A. (2008). An exploratory look at pediatric cochlear implantation: Is earliest always best? *Ear and Hearing, 29*, 492-511. doi: 10.1097/AUD.0b013e31816c409f
7. **Holt, R. F.**, Kirk, K. I., & Hay-McCutcheon, M. (2011). Assessing multimodal spoken word-in-sentence recognition in children with normal hearing and children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 54*, 632-657.

8. **Holt, R. F.** (2011). Enhancing speech discrimination through stimulus repetition. *Journal of Speech, Language, and Hearing Research, 54*, 1431-1447.
9. **Holt, R. F., & Lalonde, K.** (2012). Assessing toddlers' speech-sound discrimination. *International Journal of Pediatric Otorhinolaryngology, 76*, 680-692. doi:10.1044/1092-4388
10. Beer, J., Harris, M. S., Kronenberger, W. G., **Holt, R. F., & Pisoni, D. B.** (2012). Auditory skills, language, and adaptive behavior of children with cochlear implants and additional disabilities. *International Journal of Audiology, 51*, 491-498.
11. **Holt, R. F., Beer, J., Kronenberger, W. G., Pisoni, D. B., & Lalonde, K.** (2012). Contribution of family environment to pediatric cochlear implant users' speech and language outcomes: Some preliminary findings. *Journal of Speech, Language, and Hearing Research, 55*, 848-864. doi: 10.1044/1092-4388
12. **Holt, R. F., Beer, J., Kronenberger, W. G., & Pisoni, D. B.** (2013). Developmental effects of family environment on outcomes in pediatric cochlear implant recipients. *Otology and Neurotology, 34*, 388-395.
13. Beer, J., **Holt, R. F., & Harris, M. S.** (2013). Cochlear implantation in children with additional diagnoses: Current trends and outcomes. *Otorhinolaryngologia: Cutting edge Otolaryngology Special Issue, 63*, 1-16.
14. Bent, T., & **Holt, R. F.** (2013). The influence of talker and foreign-accent variability on spoken word identification. *Journal of the Acoustical Society of America, 133*, 1677-1686. doi: 10.1121/1.4776212
15. Lalonde, K., & **Holt, R. F.** (2014). Cognitive and linguistic sources of variance in 2-year-olds' speech-sound discrimination. *Journal of Speech, Language, and Hearing Research, 57*, 308-326. doi:10.1044/1092-4388
16. Lalonde, K., & **Holt, R. F.** (2015). Preschoolers benefit from visually salient speech cues. *Journal of Speech, Language, and Hearing Research, 58*, 135-150. doi:10.1044/2014
17. 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*, 480-488.
18. Lalonde, K., & **Holt, R. F.** (2016). Audiovisual speech perception development at varying levels of perceptual processing. *Journal of the Acoustical Society of America, 139*, 1713-1723. doi: 10.1121/1.4945590

19. **Holt, R. F.** & Bent, T. (2017). Children's use of semantic context in perception of foreign-accented speech. *Journal of Speech, Language, and Hearing Research*, *60*, 223-230. doi: 10.1044/2016
20. Bent, T., & **Holt, R. F.** (2017). Representation of speech variability. *Wiley Interdisciplinary Reviews: Cognitive Science*, *1-14*. doi: 10.1002/wcs.1434. [Invited]
21. Youngdahl, C. L., Healy, E. W., Yoho, S. E., Apoux, F., & **Holt, R. F.** (2018). The effect of remote masking on the reception of speech by young school-aged children. *Journal of Speech, Language, and Hearing Research*, *61*, 420-427. doi:10.1044/2017
22. Bent, T., & **Holt, R. F.** (2018). Shhh... I need quiet! Children's understanding of American, British, and Japanese Speakers. *Language and Speech*, *61(4)*, 657-573.
23. Moberly, A. C., Vasil, K., Wucinich, T. L., Safdar, N., Boyce, L., Roup, C., **Holt, R. F.**, Adunka, O. F., Castellanos, I., Houston, D. M., & Pisoni, D. B. (2018). How does aging affect recognition of spectrally degraded speech? *Laryngoscope*, *128 (Suppl. 5)*, S1-S16. doi:10.1002/lary.27457
24. Bent, T., **Holt, R. F.**, Miller, K., & Libersky, E. (2019). Sentence context facilitation for children's and adults' recognition of native and nonnative-accented speech. *Journal of Speech, Language, and Hearing Research*, *62*, 423-433. https://doi.org/10.1044/2018_JSLHR-H-18-0273
25. **Holt, R. F.** (2019). Assistive hearing technology for deaf and hard-of-hearing spoken language learners. *Education Sciences*, *9*, 153-175. doi:10.3390/educsci9020153 [Invited]
26. Davenport, C., & **Holt, R. F.** (2019). Influence of family environment on developmental outcomes in children with cochlear implants: A matched case study. *Volta Review*, *119*, 29-55.
27. Blank, A., **Holt, R. F.**, & Wagner, L. (2019). Inhibitory control and receptive vocabulary influence on aspect comprehension in children. *Applied Psycholinguistics*, 1-19. doi: 10.1017/S0142716419000432
28. **Holt, R. F.** (2019). Family environment contributions to children's neurocognitive development. *The Volta Review*, *119*, 125-141. [Invited]
29. Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Associations between parental stress, language comprehension, and inhibitory control in children with hearing loss. *Journal of Speech, Language, and Hearing Research*, *63*, 321-333. doi.org/10.1044/2019_JSLHR-19-00230
30. **Holt, R. F.**, Beer, J., Kronenberger, W. G., Pisoni, D. B., Lalonde, K., & Mulinaro, L. (2020). Family environment in children with hearing aids and cochlear implants:

Associations with spoken language, psychosocial functioning, and cognitive development. *Ear & Hearing, 41*, 762-774. DOI: 10.1097/AUD.0000000000000811

31. Lee, Y., Ahn, S., **Holt, R. F.**, & Schellenberg, G. (2020). Rhythm and syntax processing in school-age children. *Developmental Psychology, 56*, 1632-1641.
32. Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Family-level executive functioning and at-risk pediatric hearing loss outcomes. *Journal of Speech, Language, and Hearing Research, 64*, 218-229. https://doi.org/10.1044/2020_JSLHR-20-00342
33. Bowdrie, K., **Holt, R. F.**, Blank, A., & Wagner, L. (2021). Naturalistic use of aspect morphology in deaf and hard-of-hearing children. *Journal of Child Language, 49*(2), 366-381. doi:10.1017/S0305000921000080
34. Davenport, C. A., Houston, D. M., Bowdrie, K., & **Holt, R. F.** (2021). The role of early intervention in parental self-efficacy for families of children who are deaf/hard-of-hearing. *Journal of Early Hearing Detection and Intervention, 6*, 38-47. <https://doi.org/10.26077/cf34-9189>
35. Jamsek, I. A., **Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2021). Differential at-risk pediatric outcomes of parental sensitivity based on hearing status. *Journal of Speech, Language, and Hearing Research, 64*, 3668-3684. http://doi.org/10.1044/2021_JSLHR-20-00491
36. Bent, T. C., **Holt, R. F.**, Van Engen, K. J., Jamsek, I. A., Arzbecker, L. J., Liang, L., & Brown, E. E. (2021). How pronunciation distance impacts word recognition for children and adults. *Journal of the Acoustical Society of America, 150*, 4102-4117. <https://doi.org/10.1121/10.0008930>
37. **Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2022). Family environment differentially influences spoken language in children with and without hearing loss. *Journal of Speech, Language, and Hearing Research, 65* (1), 361-377. doi: 10.1044/2021_JSLHR-21-00220
38. Blank, A., & **Holt, R. F.** (2022). Associations between paternal play and executive function in deaf and hard-of-hearing children. *Journal of Speech, Language, and Hearing Research, 65* (8), 3056-3078. https://doi.org/10.1044/2022_JSLHR-21-00661
39. Bowdrie, K. **Holt, R. F.**, & 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. https://doi.org/10.1044/2022_JSLHR-21-00665
**The Informed SLP highlighted the clinical relevance of this paper on their website in March 2023 (<https://www.theinformedslp.com/review/environment-temperament-and-language-learning-for-dhh-kids>)

40. Lind-Combs, H., & **Holt, R. F.** (2022). Associations between parent mental state language and child inhibitory control in children who are deaf or hard of hearing. *Journal of Speech, Language, and Hearing Research*, 65 (8), 3129-3145.
https://pubs.asha.org/doi/10.1044/2022_JSLHR-22-00005
41. Jamsek, I. A., Kronenberger, W. G., Pisoni, D. B., & **Holt, R. F.** (2022). Executive functioning and spoken language skills in young children with hearing aids and cochlear implants: Longitudinal findings. *Frontiers in Psychology*, 13:987256. doi: 10.3389/fpsyg.2022.987256
42. Findlen, U. M., Davenport, C., 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: A systematic review. *Ear & Hearing*, 44, 448-459. doi: 10.1097/AUD.0000000000001312
43. Bent, T. C., Lind-Combs, H., **Holt, R. F.**, & Clopper, C. G. (in press). Perception of regional and nonnative accents: A comparison of museum laboratory and online data collection. *Linguistics Vanguard*.
44. Bowdrie, K., Blank, A., Lind-Combs, H., & **Holt, R. F.** (in press). The influence of caregiver language on the association between child temperament and spoken language in children who are deaf and hard-of-hearing. *Ear & Hearing*.
45. Lind-Combs, H., Bent, T., **Holt, R. F.**, Clopper, C., & Brown, E. (under second review). Comparing Levenshtein distance and dynamic time warping in predicting listeners' judgments of accent distance. *Speech Communication*.
46. Blank, A., **Holt, R. F.**, & Schoppe-Sullivan, S. (under review). Broadening understanding of executive function in children with different hearing histories: The roles of fathers and coparenting. *Early Childhood Research Quarterly*.
47. Henry, M., Bent, T., & **Holt, R. F.** (under review). They sure aren't from around here: Children's perception of accent distance in native and nonnative varieties of English. *Journal of Child Language*.

Book Chapters (Refereed)

1. *Bergeson, T. R., & **Holt, R. F.** (2017). Assisted music listening in hearing impairment. In R. Ashley & R. Timmers (Eds.), *The Routledge Companion to Music Cognition* (pp. 237-248). New York, NY: Routledge. [Invited]
*This volume received the Citation of Merit from the Society for Music Theory
2. **Holt, R. F.** (in press). Family dynamics impact cochlear implant outcomes. In N. Young & K. Iler Kirk (Eds.), *Pediatric Cochlear Implantation: Learning and the Brain* (pp. xxx-xxx). New York, NY: Springer. [Invited]

Non-refereed Articles/Proceedings and Refereed Proceedings

1. Woods, W. S., **Frush, R. A.**, & Van Tasell, D. J. (1999). "Preference space" for parameters of two-channel speech compression. *Proceedings of the IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, New York, Oct. 17-20*.
2. **Holt, R. F.**, Svirsky, M.A., Neuburger, H., & Miyamoto, R. T. (2004). Age at implantation and communicative outcome in pediatric cochlear implant users: Is younger always better? *International Congress Series 1273: Proceedings of the VIII International Cochlear Implant Conference*. Indianapolis, IN, May 10-13 (pp. 368-371). Amsterdam: Elsevier.
3. Kirk, K. I., & **Holt, R. F.** (2006). Cochlear implantation in children with cognitive delays. *Sound Waves: Advanced Bionics Newsletter for Professionals*, 3, 1-4.
4. Kirk, K. I., Firszt, J. B., Hood, L. J., & **Holt, R. F.** (2006, Nov. 28). New directions in pediatric cochlear implantation: Effects on candidacy. *The ASHA Leader*, 11(16), 6-7, 14-15.
5. **Holt, R. F.**, Bent, T., Lind-Combs, H., & Kunath, A. (in press). Developmental differences in intelligibility of unfamiliar accents. *Proceedings of the International Congress on Phonetic Sciences 2023*.
6. Bent, T., & **Holt, R. F.** (in press). Predicting intelligibility from pronunciation distance metrics. *Proceedings of the International Congress on Phonetic Sciences 2023*.

PRESENTATIONS AND POSTERS SESSIONS

Peer-reviewed Presentations and Posters

1. Van Tasell, D. J., Ewert, C. M., **Frush, R.**, & Woods, W. S. (1998, August). *Two channel compressed speech in noise: Interaction of release time and compression ratio*. Poster session presented at the biannual meeting, Issues in Advanced Hearing Aid Research, Lake Arrowhead, CA.
2. Gregan, M. J., Trine, T. D., Van Tasell, D. J., Nelson, P. B., Recker, K., & **Frush, R.** (2002, April). *Advanced signal processing: What we learned from field trials*. Paper presented at the annual meeting of the American Academy of Audiology, Philadelphia, PA.
3. **Frush, R.**, Nelson, P., & Van Tasell, D. J. (2002, April). *Evaluating the benefit of directional patterns in hearing aids*. Paper presented at the annual meeting of the American Academy of Audiology, Philadelphia, PA.

4. **Holt, R. A. F.**, & Carney, A. E. (2002, November). *The effects of multiple looks on speech perception in children*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association conference, Atlanta, GA.
5. Svirsky, M. A., **Holt, R. F.**, Neuburger, H. & Teoh, S-W. (2003, November). *Outcomes of pediatric cochlear implantation as a function of age at implant*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.
6. **Holt, R. F.**, & Kirk, K. I. (2004, April). *Speech and language development in children with cochlear implants and cognitive delays*. Paper presented at the annual meeting of the American Academy of Audiology, Salt Lake City, UT.
7. Svirsky, M. A., **Holt, R. F.**, & Neuburger, H. (2004, May). *Age at implantation and communicative outcome in pediatric cochlear implant users: Is younger always better?* Paper presented at the VIII International Cochlear Implant Conference, Indianapolis, IN.
8. Kirk, K. I., Eisenberg, L. S., **Holt, R. F.**, Martinez, A. S., Ying, E., Campbell, W., Collison, E., & Miyamoto, R. T. (2004, May). *Combined cochlear implant and hearing aid use in children with preimplant residual hearing: Longitudinal effects*. Paper presented at the VIII International Cochlear Implant Conference, Indianapolis, IN.
9. **Holt, R. F.**, Kirk, K. I., Davis, R. A. O., & Miyamoto, R. T. (2004, May). *Speech and language development in implanted children with developmental delays*. Paper presented at the VIII International Cochlear Implant Conference, Indianapolis, IN.
10. Svirsky, M. A., **Holt, R. F.**, Neuburger, H., & Teoh, S-W. (2004, May). *Language development in cochlear implant users: Is the glass half-full or half-empty?* Paper presented at the 7th European Symposium on Paediatric Cochlear Implantation, Geneva, Switzerland.
11. **Holt, R. F.**, & Carney, A. E. (2004, May). *Non-sensory factors in speech perception*. Poster session presented at the spring meeting of the Acoustical Society of America, New York, NY.
12. **Holt, R. F.**, & Kirk, K. I. (2004, November). *Speech and language development in cognitively delayed children with cochlear implants*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA.
13. **Holt, R. F.**, & Svirsky, M. A. (2005, February). *Communication outcomes as a function of age at cochlear implantation in congenitally deaf infants and children: Is younger always better?* Poster session presented at the midwinter meeting of the Association for Research in Otolaryngology, New Orleans, LA.
14. Kirk, K. I., **Holt, R. F.**, Ying, E., Henning, S. C., & Miyamoto, R. T. (2005, March). *Effects of age at implantation on spoken word recognition in children entering elementary school*. Paper presented at the 10th Symposium on Cochlear Implants in Children, Dallas, TX.

15. Svirsky, M. A., & **Holt, R. F.** (2005, March). *Speech perception and language in congenitally deaf children implanted in the first year of life*. Paper presented at the 10th Symposium on Cochlear Implants in Children, Dallas, TX.
16. **Holt, R. F.**, & Kirk, K. I. (2005, March). *Binaural acoustic-electric stimulation in children with residual hearing: Communication outcomes*. Paper presented at the 10th Symposium on Cochlear Implants in Children, Dallas, TX.
17. **Holt, R. F.**, Kirk, K. I., Eisenberg, L. S., Martinez, A. S., & Campbell, W. (2005, March). *Binaural acoustic-electric stimulation in children with residual hearing: Communicative outcomes*. Paper presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
18. Svirsky, M. A., & **Holt, R. F.** (2005, May). *Language acquisition after cochlear implantation of congenitally deaf children: Effect of age at implantation*. Paper presented at the spring meeting of the Acoustical Society of America, Vancouver, British Columbia, Canada.
19. **Holt, R. F.**, Kirk, K. I., Pisoni, D. B., Burckhartzmeyer, L., & Lin, A. (2005, October). *Lexical and context effects in children's audiovisual speech recognition*. Poster session presented at the fall meeting of the Acoustical Society of America, Minneapolis, MN.
20. Kirk, K. I., Henning, S., **Holt, R. F.**, & Ying, E. (2005, November). *Effects of early cochlear implantation in six-year-old children*. Paper presented at the annual meeting of the American-Speech-Language-Hearing Association, San Diego, CA.
21. **Holt, R. F.**, & Kirk, K. I. (2005, November). *Developing audiovisual sentence test materials for children with sensory aids*. Paper presented at the annual meeting of the American-Speech-Language-Hearing Association, San Diego, CA.
22. Ting, J. Y., **Holt, R. F.**, Smith, J. P., Benson, M. K., Houston, D. M., & Miyamoto, R. T. (2007, April). *Assessing speech discrimination in individual infants: Effects of hearing loss and contrast difficulty*. Paper presented at the 11th International Conference on Cochlear Implants in Children, Charlotte, NC.
23. **Holt, R. F.**, Kirk, K. I. & Howell, S. (2007, April). *The Audiovisual Lexical Neighborhood Sentence Test: Test development and preliminary results from pediatric cochlear implant recipients*. Paper presented at the 11th International Conference on Cochlear Implants in Children, Charlotte, NC.
24. **Holt, R. F.**, Kirk, K. I., Hay-McCutcheon, M. J., & Howell, S. (2008, June). *Audiovisual integration of speech by children with cochlear implants*. Paper presented at the 2008 Newborn Hearing Screening Conference, Cernobbio, Italy.

25. Wong, A., Russell, K., & **Holt, R. F.** (2008, November). *Say that again: The effects of repetition on speech discrimination*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.
26. **Holt, R. F.**, Bent, T., & Hernandez, L. (2009, May). *Color effects in audiovisual spoken word recognition*. Poster session presented at the spring meeting of the Acoustical Society of America, Portland, OR.
27. Lalonde, K., & **Holt, R. F.** (2011, March). *Modified Change/No-Change procedure for assessing toddlers' speech discrimination*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
28. **Holt, R. F.**, Beer, J., Lalonde, K., Kronenberger, W. G., & Pisoni, D. B. (2011, July). *Family Environment of Pediatric Cochlear Implant Recipients and its Potential Role in Intervention*. Paper presented at the 13th Symposium on Cochlear Implants in Children (CI2011), Chicago, IL.
29. Beer, J., Harris, M., Kronenberger, W. G., **Holt, R. F.**, & Pisoni, D. B. (2011, July). *Outcomes after cochlear implantation in children with additional disabilities*. Poster session presented at the 13th Symposium on Cochlear Implants in Children (CI2011), Chicago, IL.
30. **Holt, R. F.**, Beer, J., Quigley, T., & Pisoni, D. B. (2011, October). *Executive Function Prior to Cochlear Implantation in Younger and Older Post-Lingually Deaf Adults*. Poster session presented at the 2011 Aging and Speech Communication conference, Bloomington, IN.
31. Villines, K., Bent, T., & **Holt, R. F.** (2011, November). *The influence of talker and accent variability on spoken word identification and discrimination*. Poster session presented at the fall meeting of the Acoustical Society of America, San Diego, CA.
32. Lalonde, K., & **Holt, R. F.** (2012, March). *Accounting for variability in normal-hearing toddlers' speech discrimination*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
33. Lalonde, K., & **Holt, R. F.** (2012, June). *Identifying sources of variability in normal-hearing two-year-olds' speech discrimination*. Poster session presented at the 2012 Newborn Hearing Screening Conference, Cernobbio, Italy.
34. **Holt, R. F.**, Beer, J., Kronenberger, W., & Pisoni, D. B. (2013, March). *Family influences on social and cognitive skills in hearing-impaired children*. Paper presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
35. Lalonde, K., & **Holt, R. F.** (2013, March). *Four-year-olds benefit from integration of auditory and visual speech cues*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

36. **Holt, R. F.**, Beer, J., Kronenberger, W., Pisoni, D., Smith, L., & Lalonde, K. (2013, October). *Family matters: The influence of family dynamics on spoken, language, social and cognitive development in children with sensory aids*. Poster session presented at the Cochlear Implant 2013 Symposium, Washington, DC.
37. Bergeson, T., Beer, J., & **Holt, R. F.** (2013, October). *The role of family language environment in outcomes in school-age children with cochlear implants*. Poster session presented at the Cochlear Implant 2013 Symposium, Washington, DC.
38. Lalonde, K., & **Holt, R. F.** (2013, November). *Benefit from integration of auditory and visual speech cues in preschoolers*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL.
39. Lalonde, K., & **Holt, R. F.** (2014, March). *How does level of perceptual processing affect audiovisual integration?* Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
40. Lalonde, K., & **Holt, R. F.** (2014, October). *Audiovisual speech integration development at varying levels of perceptual processing*. Poster session presented at the fall meeting of the Acoustical Society of America, Indianapolis, IN.
41. Mabie, S., **Holt, R. F.**, & Bent, T. (2015, March). *Children's perception of foreign-accented speech: The role of temperament*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
42. Hill, A., **Holt, R. F.**, & Bent, T. (2015, March). *Children's perception of foreign-accented speech: The role of executive function*. Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
43. Youngdahl, C., Yoho, S., **Holt, R. F.**, Apoux, F., & Healy, E. (2015, May). *Effect of spectrally-remote maskers on sentence recognition by adults and children*. Poster session presented at the spring meeting of the Acoustical Society of America, Pittsburgh, PA.
44. Youngdahl, C., Yoho, S., Apoux, F., **Holt, R. F.**, & Healy, E. (2015, November). *Effect of spectrally-remote noise on sentence recognition in children*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
45. Bent, T., **Holt, R. F.**, Wilcox, T., Mabie, S., & Neczypor, L. (2016, May). *Children's perception of native dialects and nonnative accents*. Poster session presented at the spring meeting of the Acoustical Society of America, Salt Lake City, UT.
46. Youngdahl, C., Yoho, S., **Holt, R. F.**, Apoux, F., & Healy, E. (2016, May). *Effects of interleaved noise on speech recognition in children*. Poster session presented at the spring meeting of the Acoustical Society of America, Salt Lake City, UT.

47. Hager, A., & **Holt, R. F.** (2017, February). *Pragmatic Skills in School-Aged Children with Hearing Loss*. Poster session presented at the 2017 Ohio Audiology Conference, Columbus, OH.
48. Miller, K. E., **Holt, R. F.**, Bent, T., & Blank, A. (2017, June). *Development of Semantic Context Facilitation for Nonnative-Accented Speech*. Poster session presented at the spring meeting of the Acoustical Society of America, Boston, MA.
49. Wagner, L., Clopper, C., McCullough, E., **Holt, R. F.**, Durrant, S., & Evans, B. (2017, July). *Children's Understanding and Use of Sociolinguistic Variation in Language Acquisition*. Symposium presented at the 14th International Congress for the Study of Child Language, Lyon, France.
- i. Specific symposium presentation:
Holt, R.F., Bent, T., Miller, K., & Jones, A. (2017, July). *Children's dialect and foreign-accent perception in noise*. Symposium presented at the 14th International Congress for the Study of Child Language, Lyon, France.
50. Miller, K. E., **Holt, R. F.**, Bent, T., Skratt Henry, M. G., Martin, M. M., & Wagner, L. (August, 2017). *Recognition of native and nonnative accents: Support for a perceptual continuum*. Poster session presented at the Fourth Annual OSU Cognitive and Brain Sciences Member Fall Retreat, Mt. Sterling, OH.
51. Ahn, S, Goldthwaite, I., Corbeil, K., Byrer, A., Perry, K., PolaKampalli, A., Miller, K., **Holt, R. F.**, & Lee, Y. S. (November, 2017). *Rhythm sensitivity assists in overcoming acoustic and syntactic challenges during speech listening*. Paper presented at the annual meeting of the Society of the Neurobiology of Language, Baltimore, MD.
52. Clopper, C. G., **Holt, R. F.**, & Wagner, L. (January, 2018). *Health and Wellness Outreach at the Language Sciences Research Lab*. Poster session presented at Ohio State University's 2018 Community Engagement Conference, Columbus, OH.
53. Reed, J., & the **Children's Hearing and Language Development Resource Network [CHLDRN] of OH**. (January, 2018). *Parent and professional perspectives of Ohio's early intervention system for families with children who are deaf or hard of hearing: A community collaborative approach*. Poster session presented at Ohio States University's 2018 Community Engagement Conference, Columbus, OH.
54. **Holt, R. F.**, Pisoni, D. B., Kronenberger, W. G., Castellanos, I., & Henning, S. (March, 2018). *A Social-Behavioral Risk Model Approach to Understanding Cognitive and Language Outcomes of Pediatric Hearing Loss*. Paper presented at CI2018 Emerging Issues in Cochlear Implantation Meeting, Washington, DC.
55. **Holt, R. F.**, Bent, T., Miller, K. E., Henry, M, G., Martin, M. M., Jamsek, I., & Green, D. E. (May, 2018). *Word recognition for regional dialects and nonnative accents in children and*

adults: Influence of psycholinguistic distance. Poster session presented at the spring meeting of the Acoustical Society of America, Minneapolis, MN.

56. Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. K. (February, 2019). *Relations between Parental Stress and At-Risk Pediatric Hearing Loss Outcomes.* Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
57. Bowdrie, K., **Holt, R. F.** Blank, A., & Wagner, L. (February, 2019). *Naturalistic Temporal Verb Morphology Usage in Children with Hearing Loss.* Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
58. Jamsek, I. A., **Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (February, 2019). *Maternal Sensitivity, Inhibitory Control, and Language: DHH and Hearing Children.* Poster session presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
59. Blank, A., **Holt, R. F.**, & Wagner, L. (March, 2019). *Inhibitory Control and Receptive Vocabulary Affect Children's Access to Aspectual Interpretations.* Poster session presented at the biennial meeting of the Society of Research in Child Development, Baltimore, MD.
60. Blank, A, Colatruglio, B., Mason, C., Heath, A., Kronenberger, W., Pisoni, D. B., & **Holt, R. F.** (March, 2019). *What's Stress Got to do with it? Parental Stress and At-Risk Outcomes for Children with Hearing Loss.* Poster session presented at the annual meeting of the American Academy of Audiology, Columbus, OH.
61. Bowdrie, K., Blank, A., Heath, A., Wagner, L., & **Holt, R. F.** (March, 2019). *Naturalistic Use of Tense and Aspect in Children with Hearing Loss.* Poster session presented at the annual meeting of the American Academy of Audiology, Columbus, OH.
62. Jamsek, I. A., Chapman, J., Davenport, C., Kronenberger, W. G., Pisoni, D. B., & **Holt, R. F.** (March, 2019). *Maternal Sensitivity and Developmental Outcomes in Hearing Children and Children with Hearing Loss.* Poster session presented at the annual meeting of the American Academy of Audiology, Columbus, OH.
63. Brown, E., Jamsek, I. A., Liang, L., **Holt, R. F.**, & Bent, T. (May, 2019). *Predicting children's word recognition accuracy with two distance metrics.* Poster session presented at the spring meeting of the Acoustical Society of America, Louisville, KY.
64. Wagner, L., McClain, K., Gryboski, S., & **Holt, R. F.** (November, 2019). *Hard is hard: Connections between early learning and later processing in the domain of temporal semantics.* Poster session presented at the Boston University Conference on Language Development, Boston, MA.
65. **Holt, R. F.**, Kronenberger, W. K., Pisoni, D. B., Bowdrie, K., & Henning, S. (March, 2020). *Family functioning differentially influences language in DHH and NH children.* Paper presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

66. Bent, T., **Holt, R. F.** (December, 2020). *Predicting children's word recognition accuracy from accent distance metrics*. Paper presented at the Acoustical Society of America's Acoustics Virtually Everywhere conference, Virtual Conference.
67. Davenport, C., Houston, D. M., Bowdrie, K., & **Holt, R. F.** (February, 2021). *The role of early intervention in parental self-efficacy for families of deaf and hard-of-hearing children*. Poster session presented at the 2021 Early Hearing Detection and Intervention (EDHI) Annual Conference, Virtual Conference.
68. Lind-Combs, H. C., O'Malley, C., Heath, A., Shrivastava, S., & **Holt, R. F.** (April, 2021). *Parental stress influence parents' sensitivity to DHH child language*. Poster session presented at the CI2021 Cochlear Implants in Children and Adults Conference, Virtual Conference.
69. **Holt, R. F.** (June, 2021). *Applied Hearing Aids and Signal Processing for Aural (Re-)habilitation*. Paper presented at the Acoustical Society of America: Acoustics in Focus Meeting, Virtual Conference.
70. Lind-Combs, H., Shrivastava, S., & **Holt, R. F.** (November, 2021). *The effect of parent mental state language on inhibitory control in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.
71. Bowdrie, K., Lind-Combs, H., Blank, A., & **Holt, R. F.** (November, 2021). *The protective influence of caregiver language on temperament and language in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.
72. Blank, A., Heath, A., Mogan, S., Patel, R., O'Malley, C., & **Holt, R. F.** (November, 2021). *Associations between paternal play and executive function in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.
 **Awarded Meritorious Poster Designation by ASHA
73. Lind-Combs, H., Bent, T., & **Holt, R. F.** (December, 2021). *Comparing Levenshtein distance and dynamic time warping in predicting listeners' judgements of accent distance*. Poster session presented at the fall meeting of the Acoustical Society of America, Seattle, WA.
74. Findlen, U. M., Davenport, C., Houston, D. M., **Holt, R. F.**, & Hunter, L. (March, 2022). *Barriers to and facilitators of EHDI: Learning from our past for a better future*. Paper presented at the 2022 Early Hearing Detection and Intervention (EDHI) Annual Conference, Cincinnati, OH (moved virtually).
75. Bowdrie, K., **Holt, R. F.**, & Houston, D. M. (May, 2022). *The interaction between temperament and family-related environmental confusion on spoken language in children*

who are deaf and hard-of-hearing. Poster session presented at the CI2022 Emerging Issues in Cochlear Implantation Meeting, Washington, DC.

*Received the Best Student Poster in Audiology Award

76. Henry, M., Bent, T., & **Holt, R. F.** (May, 2022). *Children's perception of accent distance for native and nonnative varieties*. Poster session presented at the spring meeting of the Acoustical Society of America, Denver, CO.
77. Henry, M., Bent, T., & **Holt, R. F.** (October, 2022). *Children's sensitivity to accent strength of native and nonnative varieties*. Poster presented at MidPhon 27, Washington University of St. Louis, St. Louis, MO.
78. **Holt, R. F.**, Lind-Combs, H., Bowdrie, K., & Jamsek, I. (November, 2022). *Promoting resiliency in children who are deaf and hard-of-hearing: The essential role of families*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.
79. **Holt, R. F.**, Pisoni, D. B., Marlow, E., Jamsek, I., Dickerson, J., Malhotra, P., & Kronenberger, W. G. (March, 2023). *Longitudinal effects of families on spoken language in DHH children*. Poster presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.
80. Jamsek, I., **Holt, R. F.**, Kronenberger, W. K., & Pisoni, D. B. (April, 2023). *Longitudinal executive functioning and language development in children who are deaf or hard-of-hearing*. Paper presented at the American Academy of Audiology Meeting, Seattle, WA.
81. **Holt, R. F.**, Bent, T., Lind-Combs, H., & Kunath, A. (August, 2023). *Developmental differences in intelligibility of unfamiliar accents*. Poster session to be presented at the International Congress of Phonetic Sciences 2023, Prague, Czech Republic.
82. Bent, T., & **Holt, R. F.** (August, 2023). *Predicting intelligibility from pronunciation distance metrics*. Paper to be presented at the International Congress of Phonetic Sciences 2023, Prague, Czech Republic.

Invited Presentations (State, National, or International)

1. Svirsky, M. A., Jester, A., & **Holt, R. F.** (March, 2006). *A sensitive period for the development of intelligible speech in children with cochlear implants*. Invited paper presented at the 8th European Symposium on Pediatric Cochlear Implantation, Lido di Venezia, Italy.
2. **Holt, R. F.** (March, 2006). *Speech perception in pediatric cochlear implant recipients: Results from new populations served by speech-language pathologists*. Invited paper presented at the annual meeting of the Indiana University Annual National Student Speech-Language-Hearing Association Conference, Bloomington, IN.

3. **Holt, R. F.** (April, 2006). *Cochlear implants in two new pediatric populations*. Invited paper presented at the annual meeting of the Indiana Speech and Hearing Association, Indianapolis, IN.
4. Kirk, K. I., **Holt, R. F.**, & Miyamoto, R. T. (November, 2006). *Age at implantation effects in six-year-old children*. Invited paper presented at the 2006 Chinese University of Hong Kong ENT Conference, Prince of Wales Hospital, Shatin, N.T., Hong Kong.
5. **Holt, R. F.** (June, 2008). *Early intervention for infants with hearing loss*. Invited presentation at the First Steps Conference, All About Infants: Early Intervention for Infants with Special Needs, Indianapolis, IN.
6. **Holt, R. F.** (April, 2011). *Serving children with severe hearing loss and deafness*. Invited presentation at the 2011 Indiana Early Childhood Conference, Indianapolis, IN.
7. **Holt, R. F.** (February, 2012). *Not-so-terrible twos: Toddler speech-sound discrimination assessment and contributing non-sensory factors*. Invited paper presented at Butler University, Department of Communication Sciences and Disorders, Indianapolis, IN.
8. **Holt, R. F.** (September, 2012). *The ear is connected to the brain. Intervention outcomes in children with hearing loss: Family matters*. Invited paper presented at the annual fall meeting of the Indiana Speech-Language-Hearing Association, Indianapolis, IN.
9. **Holt, R. F.** (December, 2013). *Family matters: The influence of family environment on spoken, language, social, and cognitive development in children with hearing loss*. Invited paper presented at Nationwide Children's Hospital, Departments of Otolaryngology and Audiology, Columbus, OH.
10. **Holt, R. F.** (July, 2014). *Family Influences on the Risk-Outcome Relationship in Children with Hearing Loss*. Invited paper presented at Nationwide Children's Hospital, Department of Neuropsychology, Columbus, OH.
11. Bent, T., **Holt, R. F.**, & Miller, K. (February, 2018). *Non-Acoustic Influences on Speech Perception in Normal and Impaired Hearing*. Invited paper presented as part of a reviewed symposium at the Association for Research in Otolaryngology MidWinter Meeting, San Diego, CA.
12. **Holt, R. F.** (July, 2019). *Pathways of influence: Parenting and child outcomes in deaf and hard-of-hearing children*. Invited paper presented at the Research Symposium at the AG Bell Global Listening and Spoken Language Symposium, Madrid, Spain.
13. **Holt, R. F.** (December, 2019). *From noncategorical perception to sources of individual differences in pediatric hearing loss outcomes: Reflecting on the influential research career of Dr. Arlene Earley Carney*. Invited paper presented at the University of Minnesota, Minneapolis, MN.

14. **Holt, R. F.** (April, 2020). *Family environment: Pathways of influence on developmental outcomes*. Invited paper presented at the University of Illinois, Champagne-Urban, IL.
15. **Holt, R. F.** (April, 2020). *It doesn't take much: Effects of parental stress on neurocognition in deaf and hard-of-hearing children*. Invited paper presented at Nationwide Children's Hospital, Department of Neuropsychology, Columbus, OH.
16. **Holt, R. F.** (September, 2020). *Differential effects of family dynamics and environment on development in children with hearing loss*. Invited paper presented at the Nebraska Speech Language Hearing Association 2020 Virtual Fall Convention, Omaha, NE (presented remotely).
17. **Holt, R. F.** (September, 2020). *Transforming research power structures*. Invited paper presented at the University of Minnesota NSF NRT "Diversity in STEM" Series, Minneapolis, MN (presented remotely).
18. **Holt, R. F.** (August, 2022). *Hearing with your brain*. Invited presentation at the STEAM Factory's Columbus Science Pub, Shadowbox Live, Columbus, OH.
19. **Holt, R. F.** (April, 2023). *Family-related contributions to language in oral deaf and hard-of-hearing children*. Diane Kewley-Port invited, annual mentored lecture, Indiana University, Bloomington, IN.

Invited Presentations (Intramural)

1. **Holt, R.F.** (2005, October). *A new test of audiovisual sentence recognition for children with sensory aids: Test development and initial findings with normal-hearing children*. Invited paper presented in the Speech Research Lab (Pisoni), Indiana University, Bloomington, IN.
2. **Holt, R. F.** (2011, January). *Not-so-terrible twos: Assessing speech-sound discrimination in toddlers*. Invited paper presented at the DeVault Otologic Research Laboratory, Indiana University School of Medicine, Indianapolis, IN.
3. **Holt, R. F.** (May, 2011). *Hearing, Hearing Loss and Audiology*. Invited presentation at the DeVault Otologic Research Laboratory, Indiana University School of Medicine, Indianapolis, IN.
4. **Holt, R. F.** (February, 2012). *Contribution of Family Environment to Spoken Language Development in Children with Cochlear Implants*. Invited paper presented in the Speech Research Lab (Pisoni), Indiana University, Bloomington, IN.
5. **Holt, R. F., & Beer, J.** (August, 2012). *Work in Progress: Family Factors in Hearing-Impaired Children's Academic and Social Development*. Invited paper presented at the DeVault Otologic Research Laboratory, Indiana University School of Medicine, Indianapolis, IN.

6. **Holt, R. F.** (April, 2016). *School-age Children's Perception of Native Dialects and Nonnative Accents*. Invited paper presented at Language Acquisition Research Interest Group (Lacqueys), Department of Linguistics, The Ohio State University, Columbus, OH.

TEACHING EXPERIENCE

The Ohio State University (2013-present)

Course Instruction

Undergraduate Level

SPHHRNG 4540 Introduction to Audiology

Graduate Level

SPHHRNG 6735 Hearing Aids I

SPHHRNG 6858 Introduction to Auditory Neuroscience

SPHHRNG 7805 Pediatric Audiology I

SPHHRNG 8931 Cochlear Implants

CSE/LING/PHILOS/PSYCH/ SPHHRNG 5891 Proseminar in Cognitive Science

Student Training and Mentoring

Post-doctoral Fellow

Carrie Davenport, Ph.D.

2017-2019

Current Position: Research Associate, OSU Wexner

Medical Center, Eye and Ear Institute

Ph.D. Students, Chair

Andrew Blank, Au.D.

2016-2021

Current Position: Lecturer, OSU

Izabela Jamsek (*Au.D.-Ph.D.*)

2017-present

Kristina Bowdrie (*Au.D.-Ph.D.*)

2018-present

Holly Lind-Combs, M.S., CCC-SLP

2019-present

Caitlin Kjeldsen, MT-BC, co-mentor w/ N. Maitre

2019-2023

Journie Dickerson

2022-present

Emily Schneider

2023-present

Ph.D. Committees

Carla Youngdahl (Speech and Hearing Science)

2013-2015

Matthew Davis (Speech and Hearing Science)

2014-2015

Sarah Yoho (Speech and Hearing Science)

2014-2016

Britney Carter (Speech and Hearing Science)

2017-2020

Geoffrey Greene (Speech and Hearing Science)

2019-2023

Eric Johnson (Speech and Hearing Science)

2020-2022

Victoria Sevich (Speech and Hearing Science)

2022-present

Lian Arzbecker (Speech and Hearing Science)

2022-present

Jessie Lewis (Speech and Hearing Science)

2023-present

M.A. Thesis Students, Advisor

Katherine Miller	2016-2018
Elise Marlowe	2022-2023

Undergraduate Honors Thesis Students, Advisor

Sarah Mabie	2013-2015
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Undergraduate Thesis Students, Advisor

Angela Hill	2013-2015
Melike Baspinar (co-advised with Laura Wagner, Ph.D.)	2021-2023

In-House SHS Advisor for EEI Students (Co-Advised)

Lauren Boyce	2014-2015
Natalie Safdar	2016-2017
Hannah Adazzio	2017-2018
Grace Terry	2020-2021

National Science Foundation REU Students (Site Grant #1461039)

Tiarah Wilcox	2015
Akemi Jones	2016
Emma Libersky	2017
Moné Skratt Henry	2017
Melissa Martin	2017
Sarah Binau	2017
Corrin Moss	2017
Laura Liang	2018
Aliya Tull	2018
Lamar McMillan	2019
Abimael Jimenez	2019
Jada Hudgins	2019
Charity Ayebae	2021
Precious-Janae Romain	2021

Au.D. Capstone Students, Advisor

Samuel Brown	2015-2016
Kayla Fuzer	2015-2016
Amanda Hager	2015-2016
Taylor Wucinich	2016-2017
Leah Benedict	2016-2018
Abby Wills	2017-2019
Kelly Epperson	2017-2019
Emily Stevens	2018-2020
Anna Braam	2019-2022
Alyse Ramirez	2019-2021
Nicki Besse	2020-2021

<i>M.A.-SLP Poster Students, Advisor</i>	
Erin Stefancin	2018-2019
Mia Eberts	2019-2020
Allison Kinross	2021-2022

Indiana University (2005-2013)

Course Instruction

Undergraduate Level

S478 Rehabilitative Audiology

Graduate Level

S579 Children and Hearing Loss

S515 Cochlear Implants

S677 Implantable Auditory Protheses

S680 Independent/Directed Study

S778 Educational Audiology

Student Training and Mentoring

Ph.D. Student

Kaylah Lalonde 2009-2014

Current Position: Research Scientist, Boys Town National Research Hospital

Postdoctoral Fellow

Tessa Bent, Ph.D. 2007-2008

Current Position: Professor & Chair, Indiana University

School of Medicine and Au.D. Predoctoral Trainees (funded by T32 DC00012)

Anna Lin 2004

Lisa Burckhartzmeyer 2005

Stacy Howell 2006

Tera Quigley 2011

Courtney Myers 2012

Lindsay Smith 2013

Undergraduate Honors Thesis Students

Chariz Fong 2007-2008

Spencer Smith 2008-2009

Lindsay Smith 2011-2012

Rebecca Trzupsek 2012-2013

Training for Research and Academic Careers in Communication Sciences

(TRACCS) Students

Aileen Wong 2007

Kathy Carbonell 2008

Kierra Villines 2011

Ph.D. Committees

Esperanza Miranda Anaya (Psychological and Brain Sciences)	2011-2013
Adrienne Roman (Psychological and Brain Sciences)	2011-2013
Kristin Baar (Speech and Hearing Sciences)	DNF

M.A. Thesis Committees

Victoria Cook (Speech and Hearing Sciences)	2010-2011
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University of Minnesota (2000-2002)

Course Instruction

Undergraduate Level

CDis 4801 Hearing Measurement and Disorders – Teaching Assistant

Graduate Level

CDis 5803 Hearing Loss in Children: Diagnosis – Taught genetics portion of class

CDis 8801 Audiologic Assessment II – Taught vestibular portion of class/Teaching Assistant

CDis 5702 Audiologic Assessment I – Teaching Assistant

CDis 5802 Hearing Aids I – Teaching Assistant

CDis 8305 Signals and Systems in Audiology – Teaching Assistant

PROFESSIONAL ACTIVITIES

The Ohio State University

Departmental

Au.D. Subcommittee, Chair	2013-2017
Graduate Studies Committee, Member	2013-2017
Au.D. Subcommittee, Member	2017-present
Promotion & Tenure Committee, Member	2013-present
Diversity, Equity & Inclusion Subcommittee, Chair	2018-present
Diversity, Equity & Inclusion Subcommittee, Member	2016-2018
OH-National Black Association of Speech-Language and Hearing, Faculty Advisor	2021-present
Guest Lecturer	
SHS 2230 Introduction to Communication and its Disorders	2013-present
SHS 8900 PhD Proseminar	2016-present

University/Community

Arts & Sciences (Social & Behavioral Sciences Division)	
Promotion & Tenure Committee, Member	2021-present
Arts and Sciences Faculty Senate	
Department Representative Alternate	2018-2019
Department Representative	2019-2021
Arts and Sciences Faculty Awards Review Committee	

Social and Behavioral Sciences Representative	2018, 2019
Center for Cognitive and Brain Sciences	
Associate Director	2018-present
Minor in Cognitive Science Undergraduate, Advisor	
Graduate Interdisciplinary Specialization in Cognitive and Brain Sciences, Graduate Studies Chair	
Member	2017-present
Center for Science and Industry Columbus (COSI) Buckeye Language Pod	
Faculty Member	2014-present
Regular presenter at research open house	2014-present
Pod Executive Committee Member, Advancement Director	2017-present
Children’s Hearing and Language Development Resource Network of Ohio (CHLDRN of Ohio), Member	2016-present
Explorations in Medicine	
Co-Facilitated two sessions at Clintonville International High School	2018
Guest Lecturer	
PSY 5700 Training in Science Education Outreach	2016-present
REU Site Program	2017-present
CCBS Undergraduate Summer Institute (CUSI)	2019
Applied Development Specialization Ph.D. Seminar	2020
UC-Santa Barbara Undergraduate Linguistics course	2020
Institute for Population Research, Member	2013-present
Office of Research Compliance	
Research Integrity Standing Committee, Member	2021-present

National

Grant Reviewer	
<i>National Institutes of Health</i> , LCOM Study Section Temporary Member	2017
<i>National Institutes of Health</i> , BDCN Fogarty Study Section Ad-Hoc Member	2018
<i>National Institutes of Health</i> , ZDC1 SRB-K(17) Special Emphasis Panel (NIDCD Hearing & Balance Fellowships: Fs & Ks)	2018
<i>National Institutes of Health</i> , ZGM1 TWD-7 MK MOSAIC K99/R00 Study Section Ad-Hoc Member	2022
<i>American Speech-Language-Hearing Foundation</i> , Student Research Grant	2018
<i>University of Wisconsin – Milwaukee</i> , Advancing Research & Creativity Grant	2023
Editor, Hearing Section	
<i>Journal of Speech, Language, and Hearing Research</i>	2020-2023
Board of Directors, Hearing Science (elected)	
<i>American Auditory Society</i>	2022-2026
Topic Committee for Academic Models of Clinical Education	
<i>American Speech-Language-Hearing Association</i>	2019
Convention Program Committee Member	
<i>American Speech-Language-Hearing Association</i>	2017
Speech Communication Technical Committee Member	
<i>Acoustical Society of America</i>	2014-present
Women in Acoustics	2018-present

Dependent Care Subsidies Reviewer	2019
Dependent Care Subsidies Chair	2019
<i>Acoustical Society of America</i>	
Editorial Board Member	
<i>Journal of Speech, Language, and Hearing Research – Hearing Section</i>	2017-2020
<i>Otology and Neurotology</i>	2013-2018
Guest Associate Editor	
<i>Journal of Speech, Language, and Hearing Research</i>	2013
Editorial Consultant	
<i>Brain and Language</i>	2021
<i>Child Development Perspectives</i>	2013
<i>Cochlear Implants International</i>	2018-2019
<i>Ear and Hearing</i>	2013-2022
<i>Journal of Child Language</i>	2015-2020
<i>Journal of Communication Disorders</i>	2017
<i>Journal of Speech, Language, and Hearing Research</i>	2013-2019
<i>Journal of the Acoustical Society of America</i>	2013-2022
<i>JASA-Express Letters</i>	2021
<i>Otology and Neurotology</i>	2013-2018
<i>American Journal of Audiology</i>	2013-2020
<i>Research in Developmental Disabilities</i>	2015
Memberships	
<i>Acoustical Society of America</i>	
<i>American Auditory Society</i>	
<i>American Speech-Language-Hearing Association</i>	
<i>American Cochlear Implant Alliance</i>	
<i>National Black Association for Speech-Language and Hearing</i>	
Guest Lecturer	
University of Minnesota	2014-2021
International	
Grant Reviewer	2014-2015
National Science Centre, Poland	
Indiana University	2005-2013
Departmental	
Guest Lecturer	
S110 Survey of Communication Disorders	
S201 Speech Anatomy and Physiology	
S579 Children and Hearing Loss	
S683 Research Forum	
TRACCS	
Committee Memberships	
Diversity Committee	
Student Concerns Committee	

Collegiality Committee
 Undergraduate Curriculum Committee
 Au.D. Comprehensive Exams Reader/Evaluator
 Au.D. Clinical Gateway Exams Evaluator
 Search and Screen Committee Member (Clinical Assistant Professor in Audiology)
 Search and Screen Committee Member (Preschool Teacher)
 Search and Screen Committee Member (Preschool Teacher)
 Search and Screen Committee Member (Assistant Professor in Speech/Hearing Science)
 Collaborator, Clinical ABR protocol development for babies who fail UNHS

University

Search and Screen Committee Member 2010
 Campus View Child Care Center (Infant/Toddler Teacher)
 Grant Reviewer
 Indiana University Faculty Research Support Program (FRSP) 2011
 Indiana University Collaborative Research Grant (IUCRG) 2013

Community

Bloomington Minority Health Fair Volunteer 2006
 Heiny Helpers Co-Founder, Board Member and Volunteer 2011-2014

State

Center for Interactive Learning and Collaboration 2005
 Indiana University School of Medicine Expert Lecturer on Hearing and
 Hearing Loss for K-12 Education Programs
 First Steps 2008
 Invited presentation on Early Intervention for Infants with Hearing Loss for
 Professionals and Parents
 Indiana Association for the Education of Young Children, Inc. 2011
 Invited Presentation on Serving Children with Severe Hearing Loss and
 Deafness for Professionals

National

Speech Communication Technical Committee Member 2008-2014
Acoustical Society of America
 Convention Program Committee Member 2009
American Speech-Language-Hearing Association
 Editorial Board Member
Otology and Neurotology 2013-present
 Guest Associate Editor
Journal of Speech, Language, and Hearing Research 2013
 Editorial Consultant
 Published Book Review: *Cochlear Implants: What Parents Should Know*
 Holt, R. F. (2010). *International Journal of Audiology*, 49, 865.
Jones & Bartlett Learning (reviewed a book proposal on communication
 training for children with hearing loss) 2011

<i>American Journal of Audiology</i>	2011-2013
<i>American Journal of Speech-Language Pathology</i>	2001
<i>Child Development Perspectives</i>	2013
<i>Cochlear Implants International</i>	2010-2012
<i>Current Psychology Letters</i>	2007-2008
<i>Developmental Medicine and Child Neurology</i>	2006-2007
<i>Ear and Hearing</i>	2002-2013
<i>International Journal of Audiology</i>	2004-2009
<i>International Journal of Pediatric Otorhinolaryngology</i>	2006-2007
<i>Journal of Speech, Language, and Hearing Research</i>	2005-2013
<i>Language, Speech, and Hearing Services in the Schools</i>	2010
<i>Journal of the Acoustical Society of America</i>	2011-2013
<i>Otology and Neurotology</i>	2012-2013
<i>Pediatrics</i>	2009
<i>The Volta Review</i>	2004-2010