

# SOPHIE E. AMBROSE

## CURRICULUM VITAE

### PERSONAL INFORMATION

Center for Childhood Deafness  
Boys Town National Research Hospital  
555 North 30<sup>th</sup> Street  
Omaha, Nebraska 68131  
(402) 452-5607  
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### EDUCATION AND TRAINING

2013 Postdoctoral Fellow, Boys Town National Research Hospital, Language Development Laboratory, Mentor: Mary Pat Moeller  
2009 Ph.D., University of Kansas, Communication Sciences and Disorders  
Dissertation: *Phonological awareness development of preschool children with cochlear implants*, Chair: Marc Fey  
2006 M.S., University of Kansas, Communication Sciences and Disorders  
2002 B.S., University of Central Arkansas, Speech Language Pathology

### PROFESSIONAL POSITIONS

2013-Present Boys Town National Research Hospital, Center for Childhood Deafness  
Director, Communication Development Laboratory  
2010-2013 Boys Town National Research Hospital, Center for Childhood Deafness  
Postdoctoral Fellow  
2006-2010 House Ear Institute, Children's Auditory Research and Evaluation Center  
Research Associate and Speech Language Pathologist  
2004-2006 University of Kansas Medical Center, Language Intervention Laboratory  
Research Assistant

### RESEARCH SUPPORT

#### Active

NIH-NIGMS 5 P20 GM109023-02

- *Title of Center Grant:* Center for Perception and Communication in Children (CPCC)
- *Project Director:* Jestedt
- *Principal Investigator for Project Five:* Ambrose
- *Funding dates for center grant:* 05/15/14-03/31/19 *Funding dates for Project Five:* 04/1/16-03/31/19
- *Center Grant Description:* The goal of the CPCC, a COBRE at the Boys Town National Research Hospital in Omaha, Nebraska, is to expand the range of the current research program by providing a unique environment for the development of junior faculty who have an interest in understanding the consequences of childhood hearing loss for speech and language perception and processing, and ultimately describing performance of children with hearing loss in the real world. The CPCC funds five projects with junior faculty as principal investigators.
- *Project Five Description:* The project ("Efficacy of an early intervention addressing

needs of children with hearing loss”) will develop and assess the efficacy of a parent-implemented intervention to improve the access of children with hearing loss to quality linguistic input by optimizing the quality of parent-child interactions, and if not already optimized, children’s daily use of hearing aids.

#### NIH-NIDCD/R03 DC012647

- *Title:* Contributions of Gesture to the Linguistic Outcomes of Children with Hearing Loss
- *Principal Investigator:* Ambrose
- *Funding dates:* 3/4/2013-2/28/2017
- *Description:* The aims of this longitudinal study are to 1) determine whether the gestural abilities of toddlers with hearing loss predict unique variance in their later spoken language abilities, 2) ascertain the effects of maternal gesture use on the linguistic outcomes of toddlers with hearing loss, and 3) establish the influence of maternal responsiveness to gesture on the spoken language outcomes of toddlers with hearing loss.

#### NIH-NIDCD/R01 DC009560

- *Title:* Outcomes of School-Age Children who are Hard of Hearing
- *Co-Principal Investigators:* Moeller & Tomblin
- *Funding Dates:* 8/1/2013-7/30/2018
- *Description:* This is an investigation of the language and academic outcomes of a large group of children with mild to severe hearing loss in the school years. This is an extension of an earlier study that examined the outcomes of the same group of subjects during their preschool years.
- *Role:* Co-Investigator

#### **Completed in past 5 years**

##### NIH-NIDCD/T32 DC000013

- *Title:* Research in Human Communication and its Disorders
- *Project Director:* Jesteadt
- *Funding Dates:* 07/01/10 - 06/30/15
- *Description:* This is a grant that provides institutional training support for three postdoctoral fellows.
- *Role:* Postdoctoral Fellow (3/1/2010-3/4/2013)

#### **Pending**

##### NIH-NIDCD/K23, Submitted June 13<sup>th</sup>, 2016

- *Title:* Effects of the COACH (Caregivers Optimizing Achievement of Children with Hearing Loss) Intervention on Caregivers’ Use of Language-Facilitation Strategies and Child Device Use
- *Principal Investigator:* Ambrose
- *Description:* This project will develop and test the effectiveness of a caregiver-implemented intervention, termed Caregivers Optimizing Achievement of Children with Hearing Loss (COACH). The COACH intervention will include enhanced milieu teaching strategies modified for use with children with hearing loss and strategies to support children’s hearing device use. The three specific aims of the project are to

determine whether participation in the COACH program results in 1) changes in caregivers' behaviors that support linguistic development in interactions with their children, 2) increases in the number of hours children wear their hearing assistive devices, and 3) improvements in child communication.

## **SERVICE**

- Ongoing: Adhoc reviewer: American Journal of Speech-Language Pathology; Ear and Hearing; Folia Phoniatica et Logopaedica; International Journal of Audiology; Journal of Child Language; Journal of Educational Audiology; Journal of Speech, Language, and Hearing Research; Language Learning and Development; Language, Speech, and Hearing Services in Schools; Perspectives on Hearing and Hearing Disorders in Children; The Volta Review
- 2014-Present Professional Development Committee, ASHA Special Interest Group 9, Hearing and Hearing Disorders in Childhood
- 2011-2016 ASHA Convention Program Committee
- 2013 Grant review committee for the American Speech-Language-Hearing Foundation
- 2013 Mentor for Massachusetts Institute of Technology Undergraduate Practice Opportunities Program, Mentee: Elizabeth de Laittre
- 2012-2013 Hands and Voices Board, representative of Boys Town National Research Hospital
- 2012 Mentor for T35 Traineeship (NIH/NIDCD T35 DC008757), Mentee: Rachel Van Oosbree,
- 2011 Mentor for T35 Traineeship (NIH/NIDCD T35 DC008757), Mentee: Melissa Wheaton
- 2009 Mentor for clinical externship in speech-language pathology, California State Los Angeles Department of Communication Disorders, Mentee: Barbara Oh

## **AWARDS AND HONORS**

- 2015 Co-recipient of the Ear and Hearing editors' award for Outcomes of Children with Hearing Loss (OCHL) special issue
- 2012 Student travel award to the Symposium on Research in Child Language Disorders
- 2011 Meritorious poster, American Speech-Language-Hearing Association Convention
- 2011 Research mentoring pair travel award, American Speech-Language-Hearing Association Convention
- 2011 Student travel award, Symposium on Research in Child Language Disorders
- 2011 Clinical Practice Research Institute, American Speech-Language-Hearing Association (by invitation only)
- 2010 Lessons for Success: Emerging Scientists Conference, American Speech-Language-Hearing Association (by invitation only)
- 2009 CI trainee scholarship, 12th Symposium on Cochlear Implants in Children
- 2008 New Century Scholars doctoral scholarship, American Speech-Language-Hearing Association
- 2008 Convention recognition, American Speech-Language-Hearing Association
- 2002-2006 Lila and Madison Self Graduate Fellow for Master's and Doctoral Studies

## **PRESENTATIONS**

- Ambrose, S. E.,** Fey, M. E., & Eisenberg, L. S. (2008, April). *Phonological awareness development of preschool children with cochlear implants*. Paper presented at the 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, CA.
- Martinez, A. S., Eisenberg, L. S., Johnson, K. C., Ganguly, D. H., **Ambrose, S. E.,** Visser-Dumont, L., Sininger, Y. S., & Christensen, E. (2008, April). *Early word acquisition by young children with cochlear implants: The first 50 words*. Poster session presented at the 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, CA.
- Martinez, A. S., Johnson, K. C., Eisenberg, L. S., Ganguly, D. H., **Ambrose, S. E.,** Visser-Dumont, L., Sininger, Y.S., & Christensen, E. (2008, June). *Acquisition of the "first 50 words" by young children with hearing loss*. Poster session presented at the NHS2008 Conference, Cernobbio, Italy.
- Ambrose, S. E.,** Fey, M. E., & Eisenberg, L. S. (2008, November). *Phonological awareness skills of deaf preschoolers with cochlear implants*. Poster session presented at the American Speech-Language-Hearing Association National Convention, Chicago, IL.
- Ambrose, S. E.,** Martinez, A. M., Eisenberg, L. S., & Fey, M. E. (2009, June). *Speech perception and production performance of preschool aged children with cochlear implants*. Poster session presented at the 12th Symposium on Cochlear Implants in Children, Seattle, WA.
- Ambrose, S. E.,** Fey, M. E., & Eisenberg, L. S. (2009, November). *Phonological awareness skill development of deaf preschoolers with cochlear implants*. Poster session presented at the American Speech-Language-Hearing Association National Convention, New Orleans, LA.
- Ambrose, S. E.,** VanDam, M., & Moeller, M.P. (2010, November). *The role of talk in outcomes of children with hearing loss*. Paper presented at the LENA Technology: Expand Research and Clinical Application in Child Language Roundtable, Philadelphia, PA.
- Moeller, M. P., Bass-Ringdahl, S., **Ambrose, S. E.,** & Tomblin, B. (2010, November). *Understanding early communication outcomes: New tools and insights*. Paper presented at the Sound Foundation for Early Amplification, International Pediatric Audiology Conference, Chicago, IL.
- VanDam, M., McMurray, B., **Ambrose, S. E.,** Moller, M. P., & Tomblin, J. B. (2011, March). *Auditory ability and language development: Quantitative assessments of input, output, and outcomes in hard-of-hearing children*. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Ambrose, S. E.,** VanDam, M., & Moeller, M. P. (2011, April). *The role of talk in outcomes of children with hearing loss*. Poster session presented at the LENA Users Conference, Denver, CO.
- Ambrose, S. E.,** VanDam, M., & Moeller, M. P. (2011, April). *Use of AVA measures with young children with hearing loss*. Poster session presented at the LENA Users Conference, Denver, CO.
- Ambrose, S. E.,** VanDam, M., & Moeller, M. P. (2011, June). *Automated analysis of the language abilities and auditory environments of children with hearing loss*. Poster session presented at the Symposium on Research in Child Language Disorders, Madison, WI.

- Ambrose, S. E.**, Walker, E. B., Moeller, M. P., & Tomblin, J. B. (2011, June). *The relationship between morphosyntactic production in children with hearing loss and audibility of the speech spectrum*. Poster session presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Moeller, M. P., VanDam, M., & **Ambrose, S. E.** (2011, September). *Measuring outcomes in children with hearing loss: New tools and insights*. Paper presented at the meeting of the Nebraska Speech-Language-Hearing, Kearney, NE.
- Ambrose, S. E.**, VanDam, M. & Moeller, M. P. (2011, November). *The impact of exposure to talk and television on the language development of toddlers with hearing loss*. Poster session presented at the American Speech-Language-Hearing Association National Convention, San Diego, CA.
- Moeller, M. P., Tomblin, J. B., Harrison, M., & **Ambrose, S. E.** (2011, November). *Outcomes of children with mild-severe hearing loss: An update*. Paper presented at the American Speech-Language-Hearing Association National Convention, San Diego, CA.
- Wheaton, M., **Ambrose, S. E.**, and Moeller, M. P. (2012, March). *Speech production abilities of preschoolers with cochlear implants*. Poster session presented at the meeting of the American Auditory Society, Scottsdale, AZ.
- Unflat-Berry, L., **Ambrose, S. E.**, Walker, E. B., Harrison, M., & Moeller, M. P. (2012, June). *Phonological outcomes of toddlers with mild to severe hearing loss*. Poster session presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Ambrose, S. E.**, VanDam, M., & Moeller, M. P. (2012, June). *Relationships between language input, television exposure, and the language development of toddlers with hearing loss*. Paper presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Xu, D., VanDam, M., Gilkerson, J., **Ambrose, S. E.**, & Moeller, M. P. (2012, June). *Phonetic development analysis using an automated approach*. Paper presented at the AG Bell 2012 Convention, Scottsdale, AZ.
- Walker, E. B., **Ambrose, S. E.**, & Page, T. (2012, November). *Outcomes of children with mild-severe hearing loss: Year 3*. Paper presented at the American Speech-Language-Hearing Association National Convention, Atlanta, GA.
- Van Oosbree, R., **Ambrose, S. E.**, & Moeller, M. P. (2013, March). *Gesture development in toddlers with hearing loss*. Poster session presented at the meeting of the American Auditory Society, Scottsdale, AZ.
- Moeller, M.P., **Ambrose, S.E.**, & Walker, E. (2013, November). *Expanding the horizons of research on developmental language disorders: A seminar illustrating Bruce Tomblin's work*. Paper presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.
- Phelan, D. M., de Laittre, E. A., & **Ambrose, S. E.** (2014, November). *Maternal gesture use and child outcomes*. Poster session presented at the American Speech-Language-Hearing Association Convention, Orlando, IL.
- Ambrose, S. E.** (2014, November). *Gesture, sign, and speech use of 14-month-old toddlers with hearing loss*. Poster session presented at the American Speech-Language-Hearing Association Convention, Orlando, IL.
- Thomas, A. E., **Ambrose, S. E.**, & Moeller, M. P. (2015, June). *The use of a caregiver interview to assess vocal development in infants with hearing loss*. Poster session presented at the Symposium on Research in Child Language Disorders, Madison, WI.

- Walker, E. A., Spratford, M., Cannon, L., **Ambrose, S. E.**, Page, T., Wallace, A., & Donaldson, L. (2015, November). *Technology 101: A hands-on workshop for supporting optimal outcomes of children who have hearing loss*. Paper presented at the American Speech-Language-Hearing Association Convention, Denver, CO.
- Thomas, A. E., **Ambrose, S. E.**, Moeller, M. P., & Marvin, C. (2016, February). *The use of a caregiver interview to assess vocal development in infants who are hard of hearing*. Poster session presented at the Conference on Research Innovations in Early Intervention, San Diego, CA.
- Thomas, A. E., **Ambrose, S. E.**, Olsen, J. L., & Moeller, M. P. (2016, June). *Determining the validity of the Vocal Development Landmarks Interview (VDLI)*. Poster session presented at the Symposium on Research in Child Language Disorders, Madison, WI.
- Ambrose, S. E.**, Walker, E. Knutson, J., McCreery, R., Spratford, M. Oleson, J., & Moeller, M. P. (2016, November). *Psychosocial outcomes and temperament of toddlers and preschoolers who are hard of hearing*. Paper presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA.

## PUBLICATIONS

- Finestack, L. H., Fey, M. E., Sokol, S. B., **Ambrose, S. E.**, & Swanson, L. A. (2006). Fostering narrative and grammatical skills with "syntax stories." In A. van Kleeck (Ed.) *Sharing books and stories to promote language and literacy* (319-346). San Diego: Singular Plural Publishing.
- DesJardin, J., **Ambrose, S. E.**, & Eisenberg, L.S. (2009). Literacy skills in children with cochlear implants: The importance of early oral language and joint storybook reading. *Journal of Deaf Studies and Deaf Education*, 14(1), 22-43. doi:10.1093/deafed/enn011
- Ambrose, S. E.**, Hammes-Ganguly, D., & Lehnert, K. (2009). The speech-language specialist on the pediatric cochlear implant team. In L.S. Eisenberg (Ed.). *Clinical management of children with cochlear implants*. San Diego: Plural Publishing.
- DesJardin, J. L., Martinez, A. S., **Ambrose, S. E.**, and Eisenberg, L.S. (2009). Relationships between speech perception abilities and language skills in young children with hearing loss. *International Journal of Audiology*, 48, 248-259. doi:10.1080/14992020802607423
- DesJardin, J. L. & **Ambrose, S. E.** (2010). The importance of the home literacy environment for developing literacy skills in young children who are deaf or hard of hearing. *Young Exceptional Children*, 13(5), 28-44. doi:10.1177/1096250610387270
- Ambrose, S. E.**, Hammes-Ganguly, D., & Eisenberg, L. S. (2011). Spoken and written communication development following pediatric cochlear implantation. In F. G. Zeng, A. N. Popper & R. R. Fay (Eds.), *Springer Handbook of Auditory Research: Vol. 39. Auditory prostheses: New horizons* (pp. 279-303). New York: Springer.
- DesJardin, J. L., **Ambrose, S. E.**, & Eisenberg, L. S. (2011). Maternal involvement in the home literacy environment: Supporting literacy skills in children with cochlear implants. *Communication Disorders Quarterly*, 32(3), 135-150. doi:10.1177/1525740109340916
- Eisenberg, L. S., Johnson, K. C., **Ambrose, S. E.**, & Martinez, A. S. (2011). Atypical auditory development and effects of experience. In L. Werner, R.R. Fay, & A.N. Popper (Eds.), *Springer Handbook of Auditory Research: Vol. 42. Human auditory development*. New York: Springer.
- Moeller, M. P., Bass-Ringdahl, S., **Ambrose, S. E.**, VanDam, M., & Tomblin, J. B. (2011). Understanding communication outcomes: New tools and insights. In R. C. Seewald & J.

- M. Bamford (Eds.), *A Sound Foundation Through Early Amplification: Proceedings of the 2011 International Conference* (pp. 245-259). Chicago, IL: Phonak AG.
- Ambrose, S. E.**, Fey, M. E., & Eisenberg, L.S. (2012). Phonological awareness and print knowledge of preschool children with cochlear implants. *Journal of Speech, Language, and Hearing Research*, 55(3), 811-823. doi:10.1044/1092-4388(2011/11-0086)
- VanDam, M., **Ambrose, S.E.**, & Moeller, M. P. (2012). Quantity of parental language in the home environments of hard-of-hearing two-year olds. *Journal of Deaf Studies and Deaf Education*, 17(4), 402-420. doi:10.1093/deafed/ens025
- Ambrose, S. E.**, VanDam, M., & Moeller, M.P. (2014). Linguistic input, electronic media, and communication outcomes of toddlers with hearing loss. *Ear and Hearing*, 35(2), 139-147. doi:10.1097/AUD.0b013e3182a76768
- Tomblin, J. B., Oleson, J., **Ambrose, S. E.**, Walker, E. A., Moeller, M. P. (2014). The influence of hearing aids on speech and language development of children with hearing loss. *JAMA Otolaryngology - Head & Neck Surgery*, 140(5), 403-409. doi:10.1001/jamaoto.2014.267
- Ambrose, S. E.**, Unflat-Berry, L., Walker, E. A., Harrison, M., Oleson, J., & Moeller, M. P. (2014). Speech sound production in 2-year-olds who are hard of hearing. *American Journal of Speech-Language Pathology*, 23, 91-104. doi:10.1044/2014\_AJSLP-13-0039
- VanDam, M., Oller, D. K., **Ambrose, S. E.**, Gray, S., Richards, J. A., Xu, D., . . . Moeller, M. P. (2015). Automated vocal analysis of children with hearing loss and their typical and atypical peers. *Ear and Hearing*, 36(4), 146-152. doi:10.1097/AUD.000000000000138
- DesJardin, J., & **Ambrose, S. E.** (2015). Policy bulletin: Strategies for success during the preschool years. [eBulletin] *Raising and Educating Deaf Children: Foundations for Policy, Practice, and Outcomes*. Retrieved from <http://raisingandeducatingdeafchildren.org/node/21312>
- Ambrose, S. E.**, Walker, E. A., Unflat-Berry, L. M., Olsen, J., & Moeller, M. P. (2015). Quantity and quality of caregivers' linguistic input to 18-month and 3-year-old children who are hard of hearing. *Ear and Hearing*, 36(Suppl 1), 48-59. doi:10.1097/AUD.000000000000209
- Tomblin, J. B., Harrison, M., **Ambrose, S. E.**, Olseon, J., Walker, E., & Moeller, M. P. (2015). Language outcomes in young children with mild to severe hearing loss. *Ear and Hearing*, 36(Suppl 1), 76-91. doi:10.1097/AUD.000000000000219
- Ambrose, S. E.**, Tomas, A., & Moeller, M.P. (2016). Assessing vocal development in infants and toddlers who are hard of hearing: A parent report tool. *Journal of Deaf Studies and Deaf Education*. 21(3), 237-248. doi:10.1093/deafed/en027
- Ambrose, S. E.** (2016). Gesture use in 14-month-old toddlers with hearing loss and their mothers' responses. *American Journal of Speech-Language Pathology*, 25, 519-531. doi:10.1044/2016\_AJSLP-15-0098

#### CLINICAL CERTIFICATION

- 2010-Present License to practice speech-language-pathology, State of Nebraska,  
 2007-Present Certificate of Clinical Competence in speech-language pathology, American Speech-Language-Hearing Association