

Curriculum Vitae
HEATHER BORTFELD

Psychological Sciences
University of California, Merced
hbortfeld@ucmerced.edu

EDUCATION

- 1998 Ph. D., Experimental (Cognitive) Psychology
Department of Psychology (Advisor: Dr. Susan Brennan)
State University of New York, Stony Brook, NY
- 1994 M. A., Experimental (Cognitive) Psychology
Department of Psychology (Advisor: Dr. Susan Brennan)
State University of New York, Stony Brook, NY
- 1992 B. A., Summa Cum Laude with Departmental Honors
Department of Psychology and Department of Communication Science (Double Major)
University of California, Santa Barbara, CA

ACADEMIC APPOINTMENTS

- 2015-present Professor
Psychological Sciences, University of California, Merced, CA
- 2011-present Senior Scientist
Haskins Labs Haskins Laboratories, New Haven, CT
- 2009-2015 Associate Professor
Department of Psychology, University of Connecticut, Storrs, CT
- 2008-2009 Associate Professor
Department of Psychology, Texas A&M University, College Station, TX
- 2002-2008 Assistant Professor
Department of Psychology, Texas A&M University, College Station, TX
- 2000-2002 Assistant Professor (Research)
Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI
- 1998-2000 Postdoctoral Research Fellow
Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI
- 1994-1995 Visiting Instructor and Research Scientist
Department of Psychology and Department of Philology, University of Latvia, Rīga, Latvia

HONORS AND AWARDS

- 2010 *Ida Beam Distinguished Visiting Professor*
University of Iowa, Iowa City, IA
- 2008 *Ray A. Rothrock '77 Fellow*
College of Liberal Arts, Texas A&M University
- 2005 *Keynote Speaker and Honorary Inductee*
Golden Key International Honor Society, Texas A&M Chapter
- 1998 *Ruth L. Kirschstein National Research Service Award*
National Institute of Child Health and Human Development
National Institutes of Health

GRANTS

EXTERNAL FUNDING

- 2012-2017 National Institutes of Health
National Institute of Child Health and Human Development
"Nature and acquisition of the speech code and reading" (P01 HD001994-46)
Neuroimaging Core (PIs: Jay Rueckl & Ken Pugh)--\$7,230,000
- 2012-2017 National Science Foundation
IGERT: Integrative Graduate Education and Research Traineeship
"Language plasticity: genes, brain, cognition, computation"
Executive Committee (PI: Jim Magnuson)--\$3,237,371
- 2010-2012 National Institutes of Health
National Institute of Deafness and other Communication Disorders-ARRA
"Translation of near-infrared spectroscopy for use in clinical neuroimaging of deaf children"
Co-PI (Co-PIs: John Oghalai, Stanford Medical School, Stanford University; Michael Beauchamp, Texas Medical Center, University of Texas at Houston)--\$250,000
- 2009-2015 National Institutes of Health
National Institute of Deafness and other Communication Disorders-R01
"Outcomes in children with developmental delay and deafness: A randomized trial"
Collaborator (PI: John Oghalai, Otolaryngology/Head and Neck Surgery, Texas Children's Hospital & Baylor College of Medicine)--\$2,496,970
- 2008-2011 Dana Foundation
Dana Program in Brain and Immuno-imaging
"Optical neuroimaging of deaf children with cognitive delays after cochlear implantation"
Co-PI (Co-PI: John Oghalai, Otolaryngology/Head and Neck Surgery, Texas Children's Hospital & Baylor College of Medicine)--\$200,000
- 2007-2010 National Science Foundation
Robust Intelligence Research Collaboration

“Foreign accent conversion through articulatory inversion of the vocal-tract frontal cavity”

Senior Personnel (Co-PIs: Ricardo Gutierrez-Osuna, Computer Science, Texas A&M University; Miguel Carreira-Perpinan, Computer Science & Electrical Engineering, Oregon Health & Science University)--\$229,883

- 2006-2008 National Institutes of Health
National Institute of Child Health and Human Development-R21
“The neural basis of object processing in infancy”
Collaborator (PI: Teresa Wilcox, Psychology)--\$275,000
- 2005-2009 National Science Foundation
Immersive Visualization MRI
“Development of spatially immersive visualization facilities”
Co-investigator (PI: Fred Parke, Visualization Science)--\$554,500
- 2004-2007 National Institutes of Health
National Institute of Child Health and Human Development-R03
“Optical neuroimaging of infants’ preferential listening”
PI--\$145,500
- 2003-2005 James S. McDonnell Foundation
21st Century Research Awards: Bridging Brain, Mind and Behavior
“Neural correlates of infant word recognition”
PI--\$100,000
- 1998-2000 National Institutes of Health/National Institute of Child Health and Human Development
National Research Service Award (NRSA) Postdoctoral Research Fellowship
“Prosodic cues to infant speech segmentation”
NRSA Fellow (Sponsor: Dr. James Morgan, Brown University)--\$56,720
- 1994-1995 Soros Foundation Language Education Grant: University of Latvia
Soros Foundation, Rīga, Latvia

INTERNAL FUNDING (PI)

- 2012 Communication Disorders Grant Fund (CDIS)
“Cochlear implantation in deaf children with and without developmental delays: Contribution of sign to outcome measures”
PI
- 2010-2011 Large Grant, University of Connecticut
“Evidence for perceptual integration in early language processing: A neurophysiological approach”
PI
- 2007-2008 Department of Psychology, Texas A&M University
Research Collaboration Seed Grant
“Age-related auditory dysfunction: Brain mechanisms and pharmacological reversal”
Co-PI (Co-PI: Jennifer Bizon, Behavioral Cellular Neuroscience)

- 2006-2007 Texas A&M University, Children, Youth, and Families
Seed Grant Competition
“Assessing communication training support software”
PI (Co-PI: Ricardo Gutierrez-Osuna, Computer Science)
- 2005-2006 Texas A&M University and Conacyt (Mexico)
“Facial caricaturing as a training tool for security”
Co-PI (PI: Ricardo Gutierrez-Osuna, Computer Science)
- 2002-2003 University New Proposal Development Award
Texas A&M University College of Liberal Arts
“Cracking the code: Early influences on infants’ ability to parse fluent speech”
PI

MANUSCRIPTS AND PUBLICATIONS

Peer Reviewed Publications (denotes student or trainee)*

- *Hall, M., Eigsti, I.M., Bortfeld, H., & Lillo-Martin, D. (in press). Auditory access, language access, and implicit sequence learning in deaf children. *Developmental Science*.
- Mattys, S.L. & Bortfeld, H. (2017). Speech segmentation. In G. Gaskell and J. Mirković (Eds.) *Speech Perception and Spoken Word Recognition* (pp. 55-75). Psychology Press.
- *Hall, M., Eigsti, I.M., Bortfeld, H., & Lillo-Martin, D. (2017). Auditory deprivation does not impair executive function, but language deprivation might: evidence from a parent-report measure in deaf native signing children. *Journal of Deaf Studies and Deaf Education*, 22, 9-21.
- Pollonini, L., Bortfeld, H., & Oghalai, J. (2016). PHOEBE: a method for real time mapping of optodes-scalp coupling in functional near-infrared spectroscopy. *Biomedical Optics Express*, 7, 5104-5119.
- *Saliba, J., Bortfeld, H., Levitin, D. J., & Oghalai, J. S. (2016). Functional near-infrared spectroscopy for neuroimaging in cochlear implant recipients. *Hearing Research*, 338, 64-75.
- *Olds, C., Pollonini, L., Abaya, H., Larky, J., Loy, M., Bortfeld, H., Beauchamp, M., & Oghalai, J. (2016). Cortical activation patterns correlate with speech understanding after cochlear implantation. *Ear & Hearing*, 37, 160-172.
- *Depowski, N., Abaya, H., Oghalai, J., & Bortfeld, H. (2015). Modality use in joint attention between hearing parents and deaf children. *Frontiers in Psychology*, 6, 1556.
- *Shaw, K., Baart, M., *Depowski, N., & Bortfeld, H. (2015). Infants’ preference for native audiovisual speech dissociated from congruency preference. *PLoS ONE* 10(4), 1-11: e0126059.
- Baart, M., Bortfeld, H., & Vroomen, J. (2015). Phonetic matching of auditory and visual speech develops during childhood: Evidence from sine-wave speech. *Journal of Experimental Child Psychology*, 129, 157-64.
- *Shaw, K., & Bortfeld, H. (2015). Sources of confusion in infant audiovisual speech perception research. *Frontiers in Psychology*, 6, 1844.

- *Fava, E., Hull, R., & Bortfeld, H. (2014). Dissociating cortical activity during processing of native and non-native audiovisual speech from early to late infancy. *Brain Sciences*, 4, 471-487.
- Pollonini, L., *Olds, C., Abaya, H., Bortfeld, H., Beauchamp, M., & Oghalai, J. (2014). Auditory cortex activation to natural speech and simulated cochlear implant speech measured with functional near-infrared spectroscopy. *Hearing Research*, 309, 84-93.
- Baart, M., Vroomen, J., *Shaw, K., & Bortfeld, H. (2014). Degrading phonetic information affects matching of audiovisual speech in adults, but not in infants. *Cognition*, 130, 31-43.
- *Fava, E., Hull, R., Baumbauer, K., & Bortfeld, H. (2014). Hemodynamic responses to speech and music in preverbal infants. *Child Neuropsychology*, 20, 430-438.
- Bortfeld, H., *Shaw, K., & *Depowski, N. (2013). Disentangling the influence of salience and familiarity in infant word learning: Methodological advances. *Frontiers in Language Sciences*, 4. doi: 10.3389/fpsyg.2013.00175
- Bortfeld, H., *Shaw, K., & *Depowski, N. (2012). The miracle year: From basic structure to social communication (pp. 153-171). In L. Gogate & G. Hollich (Eds.), *Theoretical and Computational Models of Word Learning: Trends in Psychology and Artificial Intelligence*. IGI Global.
- Oghalai, J., Caudle, S., Bentley, B., Abaya, H., Lin, J., Baker, D., Emery, C., Bortfeld, H., & Winzelberg, J. (2012). Cognitive outcomes and familial stress after cochlear implantation in deaf children with and without developmental delays. *Otology and Neurotology*, 33, 947-56.
- *Gruenbaum, B., *Depowski, N., *Shaw, K., & Bortfeld, H. (2012). Infant communication (pp. 224-255). In A. Vangelisti (Ed.), *Routledge Handbook of Family Communication*. New York, NY: Routledge.
- Beauchamp, M., *Beurlot, M., *Fava, E., *Nath, A., Parikh, N., Saad, Z., Bortfeld, H. & Oghalai, J. (2011). The developmental trajectory of brain-scalp distance from birth through childhood: Implications for functional neuroimaging. *PLoS One*, 6, 9.
- *Fava, E., Hull, R., & Bortfeld, H. (2011). Linking behavioral and neurophysiological indicators of perceptual tuning to language. *Frontiers in Psychology*, 2, 174.
- *Chen, H. C., Vaid, J., Boas, D. & Bortfeld, H. (2011). Examining the phonological neighborhood density effect using near-infrared spectroscopy. *Human Brain Mapping*, 32, 1363-1370.
- *Sevy, A., Bortfeld, H., Huppert, T., Beauchamp, M., Tonini R., & Oghalai J. (2010). Neuroimaging with near-infrared spectroscopy demonstrates speech-evoked activity in the auditory cortex of deaf children following cochlear implantation. *Hearing Research*, 270, 39-47.
- Bortfeld, H. & Morgan, J. (2010). Is early word-form processing stress-full? How natural variability supports recognition. *Cognitive Psychology*, 60, 241-266.
- *Felps, D., Bortfeld, H., & Gutiérrez-Osuna, R. (2009). Foreign accent conversion in computer assisted pronunciation training. *Speech Communication*, 51, 920-932.
- Hull, R., Bortfeld, H., & *Koons, S. (2009). Near-infrared spectroscopy and cortical responses to speech production. *The Open Neuroimaging Journal*, 3, 26-30.

- Wilcox, T., Bortfeld, H., *Woods, R., *Wruck, E., *Armstrong, J., & Boas, D. (2009). Hemodynamic changes in the infant cortex during the processing of featural and spatiotemporal information. *Neuropsychologia*, *47*, 657-662.
- Bortfeld, H., *Fava, E., & Boas, D. (2009). Identifying cortical lateralization of speech processing in infants using near-infrared spectroscopy. *Developmental Neuropsychology*, *34*, 52-65.
- *Rodríguez, J., Bortfeld, H., Rudomín, I., Hernández, B., & Gutiérrez-Osuna, R. (2009). The reverse-caricature effect revisited: Familiarization with frontal facial caricatures improves veridical face recognition. *Applied Cognitive Psychology*, *23*, 733-742.
- Singh, L., *Nestor, S., & Bortfeld, H. (2008). Overcoming the effects of variation in infant speech segmentation: Influences of word familiarity. *Infancy*, *13*, 57-74.
- Wilcox, T., Bortfeld, H., *Woods, R., *Wruck, E., & Boas, D. A. (2008). Hemodynamic response to featural changes in the occipital and inferior temporal cortex in infants: A preliminary methodological exploration. *Developmental Science*, *11*, 361-370.
- *Chen, H. C., Vaid, J., Bortfeld, H., & Boas, D. (2008). Optical imaging of phonological processing in two distinct orthographies. *Experimental Brain Research*, *184*, 427-433.
- Franceschini, M. A., *Thaker, S., *Themelis, G., *Krishnamoorthy, K., Bortfeld, H., Diamond, S., Boas, D., Arvin, K., & Grant, E. (2007). Assessment of infant brain development with frequency-domain near-infrared spectroscopy. *Pediatric Research*, *61*, 546-551.
- McGlone, M., Bortfeld, H., & Kobryniewicz, D. (2007). Laying it on thin: Analogical cue frequency in the manipulation of choice. *Personality and Social Psychology Bulletin*, *33*, 721-731.
- Bortfeld, H., *Wruck, E., & Boas, D. (2007). Assessing infants' cortical response to speech using near-infrared spectroscopy. *NeuroImage*, *34*, 407-415. (epub: October, 2006)
- Bortfeld, H., Smith, S. M., & Tassinary, L. G. (2006). Memory and the brain: A retrospective. *Cognition & Emotion*, *20*, 1027-1045.
- Bortfeld, H., Morgan, J., Golinkoff, R., & *Rathbun, K. (2005). Mommy and me: Familiar names help launch babies into speech stream segmentation. *Psychological Science*, *16*, 298-304.
- Wilcox, T., Bortfeld, H., *Woods, R., *Wruck, E., & Boas, D. (2005). Using near-infrared spectroscopy to assess neural activation during object processing in infants. *Journal of Biomedical Optics*, *10*, 011010(1)-011010(9).
- Bortfeld, H. (2004). Which came first: Infants learning language or motherese? *Behavioral and Brain Sciences*, *27*, 505-507.
- Bortfeld, H. (2003). Comprehending idioms cross-linguistically. *Experimental Psychology*, *50*, 1-15.
- Bortfeld, H. (2002). What native and non-native speakers' images for idioms tell us about figurative language. In Heredia, R., & Altarriba, J. (Eds.), *Advances in psychology: Bilingual sentence processing* (pp. 275-295). North Holland: Elsevier Press.

Bortfeld, H., Leon, S., Bloom, J., Schober, M., & Brennan, S. (2001). Disfluency rates in conversation: Effects of age, relationship, topic, role, and gender. *Language and Speech, 44*, 123-147.

Bortfeld, H., & Whitehurst, G. (2001). Sensitive periods to first language acquisition. In D. Bailey, J. Bruer, J. Lichtman, & F. Symons (Eds.) *Critical thinking about critical periods: Perspectives from biology, psychology, and education* (pp. 173-192). Baltimore, MD: Brookes Publishing.

Bortfeld, H., & McGlone, M. (2001). The continuum of metaphor processing. *Metaphor and Symbol, 16*, 75-86.

Gerrig, R., & Bortfeld, H. (1999). Sense creation in and out of discourse contexts. *Journal of Memory and Language, 41*, 457-468.

Bortfeld, H., & Brennan, S. (1997). Use and acquisition of idiomatic expressions in referring by native and non-native speakers. *Discourse Processes, 23*, 21-49.

Published Conference Proceedings

Shaw, K. & Bortfeld, H. (2015). Infants are sensitive to asynchronous audiovisual speech. In *BUCLD 39: Proceedings of the 39th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

Baart, M., Vroomen, J., Shaw, K., & Bortfeld, H. (2013). Phonetic information in audiovisual speech is more important for adults than for infants: Preliminary findings. In S. Ouni, F. Berthommier, & A. Jesse (Eds.), *Proceedings of the 12th Annual International Conference on Auditory-Visual Speech Processing*.

Grant, E., Themelis, G., Arvin, K., Thaker, S., Krishnamoorthy, K., Bortfeld, H., & Franceshini, M. A. (2006). Alterations in regional oxygen saturation (StO₂) and blood volume (HbT) in infants with brain injuries and ECMO. *Biomedical Optics: Technical Digest of the Optical Society of America*, MC4.

Singh, L., Nestor, S., & Bortfeld, H. (2006). Effects of word familiarity on word recognition in infancy. In D. Bamman, T. Magnitskaia, & C. Zaller (Eds.), *BUCLD 30: Proceedings of the 30th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

McGlone, M. S., Bortfeld, H., & Kobryniewicz, D. (2006). Using idioms to invoke implicit analogical framing in decision making. *Texas Linguistics Forum, 49*, 108-116.

Bortfeld, H., Rathbun, K., Morgan, J., & Golinkoff, R. (2003). What's in a name? Highly familiar items anchor infants' segmentation of fluent speech. In B. Beachley, A. Brown, & F. Conlin (Eds.), *BUCLD 27: Proceedings of the 27th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

Nadig, A., Sedivy, J., Joshi, A., & Bortfeld, H. (2003). The development of discourse constraints on the interpretation of adjectives. In B. Beachley, A. Brown, & F. Conlin (Eds.), *BUCLD 27: Proceedings of the 27th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

Singh, L., Bortfeld, H., & Morgan, J. (2002). Effects of variability on infant word recognition. In A. Do, L. Dominguez, and A. Johansen (Eds.), *BUCLD 26: Proceedings of the 26th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

Bortfeld, H., & Morgan, J. (2000). The influence of focusing stress on infants' recognition of words in fluent speech. In S. Catherine Howell, S. Fish, & T. Keith-Lucas (Eds.), *BUCLD 24: Proceedings of the 24th Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

Bortfeld, H., & Morgan, J. (1999). Interaction of varieties of stress in infant-directed speech, *Proceedings of the 14th Annual International Congress of Phonetic Sciences*, 2, 1185-1188.

Bortfeld, H., Leon, S., Bloom, J., Schober, M., & Brennan, S. (1999). Which speakers are most disfluent in conversation and when? *Proceedings of the 1st Annual Speech Disfluency Satellite Conference of the International Congress of Phonetic Sciences*.

Bortfeld, H., & Morgan, J. (1999). Disentangling multiple sources of stress in infant-directed speech. In A. Greenhill, H. Littlefield & C. Tano (Eds.), *BUCLD 23: Proceedings of the 23rd Annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.

McGlone, M., & Bortfeld, H. (1999). The continuum of metaphor processing. *Proceedings of the AISB'99 Symposium on Metaphor, Artificial Intelligence, and Cognition*. Edinburgh, Scotland: University of Edinburgh Press.

Bortfeld, H., & Morgan, J. (1998). Many sources of stress in infant-directed speech. *Les Sons de la Parole Spontane, La Baume-les-Aix*, European Scientific Communication Association.

Bortfeld, H., & Brennan, S. (1994). Lexical Entrainment: Psycholinguistic evidence for lexical choice between native and non-native speakers. *The Penn Review of Linguistics: Proceedings of the Penn Linguistics Colloquium*, 18.

Other Publications

Bortfeld, H. (2017). Is figurative language the final frontier, or a pit stop along the way? *American Journal of Psychology*, 130(2), 254-258.

Bortfeld, H. (2014). Spoken word recognition. In P. Brooks, V. Kempe, & G. J. Golson (Eds.) *Encyclopedia of Language Development*. Thousand Oaks, CA: Sage.

Bortfeld, H. (2005). Baby talk. In N. J. Salkind (Ed.), *Encyclopedia of Human Development*. London: Sage.

Bortfeld, H. (2005). Discourse on discourse. *American Journal of Psychology*, 118, 302-305.

Bortfeld, H. (2002). Commentary on *Essays in honor of Jacques Mehler*, E. Dupoux (Ed.), *LINGUIST List 13*. 1705.

Bortfeld, H. (1999). Language and its normal processing. *Language and Education*, 13, 156-159.

Bortfeld, H. (1998). Computer-mediated communication: Linguistic, social, and cross-cultural perspectives. *Language*, 74, 420.

INVITED TALKS

Bortfeld, H. (June, 2017). *Applying fNIRS to the study of infant hearing*. Kavli Institute of Theoretical Physics, Physics of Hearing, University of California, Santa Barbara, Santa Barbara, CA.

Bortfeld, H. (May, 2017). *Perceptual learning in support of language: Insights from infants and cochlear implantees*. Stanford Center for Computer Research in Music and Acoustics, Stanford University, Palo Alto, CA.

Bortfeld, H. (May, 2017). *Perceptual learning in support of language: Insights from infants and cochlear implantees*. Departmental Colloquium, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA.

Bortfeld, H. (May, 2017). *Joint attention and communicative intent in hearing parent-deaf child dyads*. Developmental Psychology Colloquium, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA.

Bortfeld, H. (April, 2017). *Perceptual learning in support of language: insights from infants and cochlear implantees*. Communication Sciences & Disorders, University of Texas at Austin, Austin, TX.

Bortfeld, H. (February, 2016). *Tuning to a degraded signal: Insights from infants and cochlear implant users*. Mind, Technology, and Society, Cognitive Science, University of California, Merced, Merced, CA.

Bortfeld, H. (June, 2015). *Cortical activation patterns correlate with speech understanding after cochlear implantation*. International Society for Behavioral Neuroscience, Kona, HI

Bortfeld, H. (April, 2015). *Flexibility in perceptual learning: Insights from pediatric cochlear implant users*. Department of Cognitive, Linguistic, and Psychological Sciences, Brown University, Providence, RI.

Bortfeld, H. (January, 2015). *An objective measure of variability in speech perception following cochlear implantation*. Meeting of the Auditory Cognitive Neuroscience Society, Tucson, AZ.

Bortfeld, H. (December, 2014). *Infants can tune to (almost) anything: Insights from pediatric cochlear implant users*. Psychological Sciences, University of California, Merced, Merced, California.

Bortfeld, H. (October, 2014). *Infants will tune to anything*. Basque Center for Cognition, Brain and Language, San Sebastián/Donostia, Spain.

Bortfeld, H. (June, 2014). *Infants will tune to (pretty much) anything*. Department of Psychology, University of York, York, England.

Bortfeld, H. (January, 2014). *Emerging sensitivity to asynchronous audiovisual speech in infancy*. Meeting of the Auditory Cognitive Neuroscience Society, Tucson, AZ.

Bortfeld, H. (November, 2013). *Language learning from a degraded signal*. Department of Psychology, University of Waterloo, Waterloo, Ontario.

Bortfeld, H. (November, 2013). *Language learning from a degraded signal*. Department of Psychology, University of California, Berkeley, Berkeley, CA.

Bortfeld, H. (October, 2013). *Parent-child communication in Deaf Plus children*. American Cochlear Implant Alliance (CI2013): Symposium on Emerging Issues in Cochlear Implantation, Washington, DC.

Bortfeld, H. (April, 2013). *Infants will tune to (pretty much) anything: Implications for cochlear implant users*. International Society for Behavioral Neuroscience, Montreal, Quebec.

Bortfeld, H. (March, 2013). *Infants will tune to (almost) anything (and what this tells us about language)*. Starkey Hearing Research Center, Berkeley, CA.

Bortfeld, H. (January, 2013). *How infants learn to process sound with a cochlear implant*. Center for Computer Research in Music and Acoustics (CCRMA) at Stanford University, Palo Alto, CA.

Bortfeld, H. (January, 2013). *Infants will tune to (pretty much) anything: Implications for cochlear implant users*. Meeting of the Auditory Cognitive Neuroscience Society, Tucson, AZ.

Bortfeld, H. (September, 2012). *Assessing auditory processing using near-infrared spectroscopy*. Department of Psychology, University of Oregon, Eugene, OR.

Bortfeld, H. (April, 2012). *Assessing developmental change in normal and impaired auditory processing*. Centre for Research on Brain, Language and Music (CRBLM) at McGill University, Montreal, Quebec.

Bortfeld, H. (April, 2012). *Assessing developmental change in normal and impaired auditory processing*. Department of Communication Sciences and Disorders, University of Connecticut, Storrs, CT.

Bortfeld, H. (March, 2012). *Assessing developmental change in normal and impaired auditory processing*. Yale Child Study Center Speaker Series, Yale School of Medicine, New Haven, CT.

Bortfeld, H. (December, 2011). *Assessing developmental change in normal and impaired auditory processing*. University Seminar on Language and Cognition, Columbia University, New York, NY.

Bortfeld, H. (November, 2011). *Assessing developmental change in normal and impaired auditory processing*. Developmental Area Symposium, Department of Psychology, University of Massachusetts at Amherst, Amherst, MA.

Bortfeld, H. (November, 2011). *Using TechEn fNIRS with infants and young children*. Near-Infrared Spectroscopy and Diffuse Optical Tomography (NIRS-DOT) Visiting Fellowship Program, Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital (Harvard/MIT), Boston, MA.

Bortfeld, H. (August, 2011). *Assessing developmental change in normal and impaired auditory processing*. Otolaryngology Head and Neck Surgery, Stanford Medical School, Palo Alto, CA.

Bortfeld, H. (July, 2011). *Influences of acoustic salience and familiarity in and out of fluent speech: Behavioral and NIRS studies with English-learning infants*. Invited Symposium Speaker, 12th International Congress for the Study of Child Language, Montreal, Quebec.

Bortfeld, H. (June, 2011). *Brain structure and function across the lifespan*. Invited Oral Session Chair, Annual Meeting of the Organization for Human Brain Mapping, Montreal, Quebec.

Bortfeld, H. (March, 2011). *Methodological advances in understanding functional connectivity as the basis for developmental change*. Symposium Chair, Biennial Meeting of the Society for Research on Child Development, Montreal, Quebec.

Bortfeld, H. (March, 2011). *Near-infrared spectroscopy: Applications, analyses, advantages and disadvantages*. Invited Presentation, Symposium on Methodological Advances in Understanding Functional Connectivity as the Basis for Developmental Change, Biennial Meeting of the Society for Research on Child Development, Montreal, Quebec.

Bortfeld, H. (March, 2011). *Assessing developmental change in normal and impaired auditory processing*. Multimodal Imaging Speaker Series, Center for Human Growth and Development, University of Michigan, Ann Arbor, MI.

Bortfeld, H. (March, 2011). *Assessing developmental change in normal and impaired auditory processing*. EuroSTRESS Workshop on Life Stress, Brain Development and Ageing: Measuring cognition and brain function throughout life. Tilburg University, Tilburg, the Netherlands.

Bortfeld, H. (December, 2010). *Establishing speech-evoked activity in the auditory cortex of deaf children following cochlear implantation*. Cognitive Neuroscience Speaker Series, Department of Psychology, City University of New York, New York, NY.

Bortfeld, H. (October, 2010). *Establishing speech-evoked activity in the auditory cortex of deaf children following cochlear implantation*. Cognitive Neuroscience Speaker Series, Department of Psychology, Stony Brook University, Stony Brook, NY.

Bortfeld, H. (October, 2010). *Assessing developmental change in normal and impaired auditory processing*. Workshop on Functional Near-Infrared Spectroscopy (fNIRS) in Brain Research, Center for Brain Science, Harvard University & Athinoula A. Martinos Center for Biomedical Imaging, MIT, MGH, Harvard.

Bortfeld, H. (April, 2010). *Neuroimaging of deaf children following cochlear implantation: Speech-evoked activity within the auditory cortex detected with near infrared spectroscopy*. Department of Psychology, University of Iowa, Iowa City, IA.

Bortfeld, H., Sevy, A., Fava, E., Huppert, T., Tonini, R., & Oghalai, J. (April, 2010). *Neuroimaging of deaf children following cochlear implantation: Speech-evoked activity within the auditory cortex detected with near infrared spectroscopy*. Symposium on Cerebral Bases of Speech Processing: Using NIRS to investigate language acquisition, International Conference on Infant Studies, Baltimore, MD.

Bortfeld, H. (May, 2008). *Tracking developmental changes in cochlear-implanted children using near-infrared spectroscopy*. National Institute of Neurological Disorders and Stroke National Institutes of Health, Bethesda, MD.

Bortfeld, H. (April, 2008). *Tracking developmental changes in normal-hearing and cochlear-implanted children using near-infrared spectroscopy*. Computational Neuroscience Speaker Series, University of Chicago, Chicago, IL.

Bortfeld, H. (January, 2008). *Language and the developing brain: Linking perception to neurophysiology in normal and impaired auditory processing*. Department of Psychology, University of Connecticut, Storrs, CT.

Bortfeld, H. (March, 2007). *Assessing infants' cortical response to speech using near-infrared spectroscopy*. Scott & White Pediatric Grand Rounds, Temple, TX.

- Bortfeld, H. (November, 2006). *Tracking infants' sensitivity to speech*. Children, Youth, & Families Interdisciplinary Research Program, Faculty Seminar Series, College Station, TX.
- Bortfeld, H. (February, 2006). *Dissociating top-down from bottom-up influences on early speech perception: Implications for the development of diagnostic tools*. Department of Communication Sciences and Disorders, University of Texas, Austin, TX.
- Bortfeld, H. & Wruck, E. (April, 2005). *Identifying neurophysiological correlates of speech perception in the first year*. Cognition/Perception Colloquium Series, Department of Psychology, University of Texas, Austin, TX.
- Bortfeld, H. (November, 2004). *Near-infrared spectroscopy: A tool for tracking hemodynamic response in awake, behaving infants*. Speaker Series for the Texas A&M Faculty of Neuroscience, College Station, TX.
- Bortfeld, H., Wruck, E., & Boas, D. (June, 2004). *Using optical imaging to track the neurophysiology of language development*. James S. McDonnell 21st Century Science Initiative Program Meeting, Palisades, NY.
- Bortfeld, H. (March, 2004). *Tracking activity in the infant brain*. Cognitive Tea, Department of Psychology, Rice University, Houston, TX.
- Bortfeld, H., Wilcox, T., & Boas, D. (February, 2004). *Tracking activity (and what it means) in the infant brain*. Cognition/Perception Colloquium Series, Department of Psychology, University of Texas, Austin, TX.
- Bortfeld, H., Wilcox, T., & Boas, D. (February, 2004). *Using near-infrared spectroscopy to assess neural activation in infants*. Optical Topography/Near-infrared Spectroscopy Workshop (Organizers: Dr. Richard Aslin and Dr. Jacques Mehler). Boston, MA.
- Bortfeld, H. (June, 2003). *Applying near-infrared spectroscopy to the study of infant speech perception*. James S. McDonnell 21st Century Science Initiative Program Meeting, Tarrytown, NY.
- Bortfeld, H. (February, 2003). *Top-down influences anchor early speech segmentation*. Developmental Colloquium Series, Department of Psychology, University of Texas, Austin, TX.
- Bortfeld, H. (October, 2002). *Early name recognition helps initiate infant speech segmentation*. Department of Psychology, Trinity College, San Antonio, TX.
- Bortfeld, H. (September, 2002). *What images for idioms tell us about figurative language*. Department of Linguistics, Georgetown University, Washington, DC.
- Bortfeld, H. (December, 2001). *First name recognition in early infancy: How overlearned items anchor initial speech segmentation*. Colloquium Series of the Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI.
- Bortfeld, H. (October, 2001). *Nature, nurture, and critical periods in language development*. 5th Annual Great Beginnings Conference: Critical Periods and Implications for Early Childhood Services, Framingham, MA.

Bortfeld, H. (March, 2001). *Contextual influences on processing complex language*. Department of Psychology, Hofstra University, Hempstead, NY.

Bortfeld, H. (March, 2001). *Creating sense*. Department of Psychology, Bard College, Annandale-on-Hudson, NY.

Bortfeld, H. (February, 2001). *Sources of sense creation: Influences of interpreter, contextual, and statement characteristics on processing complex language*. Department of Psychology, Texas A&M University, College Station, TX.

Bortfeld, H. (May, 1999). *Acoustic cues to given and new information in infant-directed speech*. Colloquium Series of the Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI.

Bortfeld, H. (April, 1997). *Normal disfluency*. National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD.

Bortfeld, H. (March, 1997). *Processing familiar and unfamiliar idioms*. Department of Cognitive and Linguistic Sciences, Brown University, Providence, RI.

Bortfeld, H. (February, 1997). *Second language acquisition and idioms*. Departments of English and Applied Linguistics, University of New Hampshire, Durham, NH.

ABSTRACTS AND PRESENTATIONS

Pollonini, L., Bortfeld, H., Beauchamp, M., & Oghalai, J. (July, 2017). *Cortical activation patterns correlate with speech understanding after cochlear implantation*. 39th Annual Meeting of the Cognitive Science Society, London, England.

Bortfeld, H., Baart, M., & Shaw, K. (May, 2017). *Infant sensitivity to audiovisual timing driven by articulator-speech sound relationship*. Annual Meeting of the Multisensory Research Forum, Nashville, TN.

Bortfeld, H. & Shaw, K. (April, 2017). *Infants are sensitive to asynchronous audiovisual speech (with caveats)*. Biennial Meeting of the Society for Research in Child Development, Austin, TX.

Pollonini, L., Bortfeld, H., Beauchamp, M., & Oghalai, J. (November, 2016). *Cortical activation patterns correlate with speech understanding after cochlear implantation*. 57th Annual Meeting of the Psychonomic Society, Boston, MA.

Hall, M., Eigsti, I-M., Bortfeld, H., & Lillo-Martin, D. (November, 2016). *Deafness doesn't impair executive function, but language deprivation might: Parent-report evidence from deaf native signers, deaf non-signers, and hearing children*. 41st Annual Boston University Conference on Language Development, Boston, MA.

Olds, C., Pollonini, L., Bortfeld, H., Beauchamp, M., & Oghalai, J. (October, 2016). *Cortical activation patterns correlate with speech understanding after cochlear implantation*. Biennial Meeting of the Society for Near-Infrared Spectroscopy, Paris, France.

Pollonini, L., Bortfeld, H., & Oghalai, J. (October, 2016). *PHOEBE: a software tool for optimized guided placement of fNIRS optodes*. Biennial Meeting of the Society for Near-Infrared Spectroscopy, Paris, France.

Ormston, L., Shaw, K., & Bortfeld, H. (May, 2016). *Direct experience with nonhuman species influences perceptual tuning to faces*. Biennial Meeting of the International Conference on Infant Studies, New Orleans, LA.

Lau, A., Jasinska, K., Shuai, L., Bortfeld, H., Landi, N., & Pugh, K. (April, 2016). *Functional near-infrared spectroscopy (fNIRS) investigation of emerging reading pathways in children with poor phonological awareness*. 23rd Annual Meeting of the Cognitive Neuroscience Society, New York, NY.

Hall, M., Eigsti, I-M., & Bortfeld, H. (January, 2016). *No cognitive problems in deaf children with native access to sign language*. Triennial Meeting on Theoretical Issues in Sign Language Research, Melbourne, Australia.

Hall, M., Eigsti, I-M., Bortfeld, H., & Lillo-Martin, D. (November, 2015). *Auditory deprivation does not impair implicit sequence learning*. 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

Olds, C., Pollonini, L., Abaya, H., Larky, J., Loy, M., Bortfeld, H., Beauchamp, M., & Oghalai, J. (October, 2015). *Cortical activation patterns correlate with speech understanding after cochlear implantation*. 7th Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.

Shaw, K., Baart, M., Gaafar, J. & Bortfeld, H. (November, 2014). *Infants are sensitive to asynchronous audiovisual speech*. 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.

Shaw, K. & Bortfeld, H. (November, 2014). *Infants are sensitive to asynchronous audiovisual speech*. 39th Annual Boston University Conference on Language Development, Boston, MA.

Jasinska, K., Shaw, K., Bortfeld, H., & Pugh, K. (October, 2014). *Neural representations for spoken language are influenced by the development of reading*. Biennial Meeting of the Society for Near-Infrared Spectroscopy, Montreal, Quebec, Canada.

Shaw, K., Baart, M., & Bortfeld, H. (August, 2014). *Infants can perceive audiovisual speech asynchrony (if it's asynchronous enough)*. 6th Annual Meeting of the Society for the Neurobiology of Language, Amsterdam, the Netherlands.

Depowski, N., Nowels, M., Abaya, H., Oghalai, J., & Bortfeld, H. (July, 2014). *Subtle modality use differences in joint attention between hearing parent-deaf child dyads and hearing parent-hearing child dyads*. Biennial Meeting of the International Conference on Infant Studies, Berlin, Germany.

Shaw, K., Powers, L., & Bortfeld, H. (July, 2014). *Infants are sensitive to speech asynchrony*. International Conference on Infant Studies, Berlin, Germany.

Shaw, K. & Bortfeld, H. (June, 2014). *Infants perceive audiovisual speech asynchrony*. International Multisensory Research Forum, Amsterdam, the Netherlands.

Shaw, K., Powers, L., & Bortfeld, H. (April, 2014). *Infants are sensitive to audiovisual speech asynchrony*. 21st Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.

- Shaw, K., Rubin, A., Castagnetti, J., & Bortfeld, H. (November, 2013). *Infants are sensitive to audiovisual speech asynchrony*. 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario.
- Baart, M., Shaw, K., Vroomen, J., & Bortfeld, H. (November, 2013). *Infants' audiovisual speech integration does not hinge on phonetic knowledge*. 5th Annual Meeting of the Society for the Neurobiology of Language, San Diego, CA.
- Bortfeld, H., Baart, M., Shaw, K., & Vroomen, J. (April, 2013). *Infants' audiovisual speech integration hinges on underlying temporal dynamics: Evidence from sine-wave speech*. Biennial Meeting of the Society for Research on Child Development, Seattle, WA.
- Depowski, N., Nowels, M., Oghalai, J. & Bortfeld, H. (April, 2013). *ELAN: it's not just for research anymore*. Biennial Meeting of the Society for Research on Child Development, Seattle, WA.
- Depowski, N., Nowels, M., Oghalai, J. & Bortfeld, H. (April, 2013). *Joint attention provides rich insight into cognitive development as a factor of the deaf child/hearing parent dyad*. Biennial Meeting of the Society for Research on Child Development, Seattle, WA.
- Fava, E., Hull, R., Baumbauer, K., & Bortfeld, H. (April, 2013). *Hemodynamic responses to speech and music in preverbal infants*. Biennial Meeting of the Society for Research on Child Development, Seattle, WA.
- Olds, C., Pollonini, L., Abaya, H., Gurgel, R., Beauchamp, M., Bortfeld, H., & Oghalai, J. (February, 2013). *Cortical hemodynamic response to speech stimuli in adult cochlear implant users by functional near-infrared spectroscopy*. 36th Annual Midwinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.
- Baart, M., Vroomen, J., Shaw, K., & Bortfeld, H. (November, 2012). *Adults rely on phonetic cues when processing audiovisual speech, infants do not*. 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Shaw, K., Depowski, N., Baart, M., & Bortfeld, H. (November, 2012). *Relative influence of language familiarity and congruency in early audiovisual integration*. 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Bortfeld, H. (October, 2012). *Classifying hemodynamic responses to auditory input in preverbal infants*. Biennial Functional Near-Infrared Spectroscopy (fNIRS) in Brain Research Meeting, University College London, London, England.
- Fava, E., Hull, R., & Bortfeld, H. (June, 2012). *Identifying candidate neural markers of language tuning using near-infrared spectroscopy*. International Conference on Infant Studies, Minneapolis, MN.
- Depowski, N., Gruenbaum, B., Shaw, K., Baart, M., & Bortfeld, H. (June, 2012). *Language-specific tuning of audiovisual integration in early development*. International Conference on Infant Studies, Minneapolis, MN.
- Oghalai, J., Caudle, S., Lin, J., Bortfeld, H., Bentley, B., & Abaya, H. (April, 2012). *Cognitive outcomes and stress after cochlear implantation in deaf children*. 47th Annual Meeting of the American Neurotology Society, Baltimore, MD.

Baart, M., Bortfeld, H. & Vroomen, J. (March, 2012). *Preferential looking to audiovisual (sine wave) speech in infants*. Paper presented at the Symposium on Auditory Cognition, Tilburg University, Tilburg, the Netherlands.

Depowski, N., Shaw, K., Gruenbaum, B., Baart, M., & Bortfeld, H. (November, 2011). *Language-specific tuning of audiovisual integration*. 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

Depowski, N., Shaw, K., Gruenbaum, B., Baart, M., & Bortfeld, H. (October, 2011). *Language-specific tuning of audiovisual integration in early development*. Indiana University Conference on Aging and Speech Communication, Bloomington, IN.

Bortfeld, H., Sevy, A., Huppert, T., Beauchamp, M., Tonini, R., & Oghalai, J. (2011, March). *Detecting speech-evoked cortical activity in deaf children following cochlear implantation*. Biennial Meeting of the Society for Research on Child Development, Montreal, Quebec.

Fava, E., Bortfeld, H., & Boas, D. (2011, March). *Dissociating neural localization for language and music processing in preverbal infants*. Biennial Meeting of the Society for Research on Child Development, Montreal, Quebec.

Bortfeld, H., Sevy, A., Huppert, T., Beauchamp, M., Tonini, R., & Oghalai, J. (2010, November). *Detecting speech-evoked cortical activity in deaf children following cochlear implantation*. 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

Bortfeld, H., Sevy, A., Huppert, T., Beauchamp, M., Tonini, R., & Oghalai, J. (2010, November). *Detecting speech-evoked cortical activity in deaf children following cochlear implantation*. 2nd Annual Neurobiology of Language Conference, San Diego, CA.

Fava, E., Bortfeld, H., & Boas, D. (April, 2010). *Dissociating neural localization for language and music processing in preverbal infants*. International Conference on Infant Studies, Baltimore, MD.

Sevy, A., Bortfeld, H., Huppert, T., Beauchamp, M., Nath, A., Tonini, R., & Oghalai, J. (February, 2010). *Neuroimaging of deaf children following cochlear implantation: Speech-evoked activity within the auditory cortex*. Abstracts of the 33rd Annual Midwinter Research Meeting of the Association for Research in Otolaryngology, Anaheim, CA.

Bortfeld, H., Fava, E., & Boas, D. (November, 2009). *Dissociation between speech and music processing in preverbal infants*. 50th Annual Meeting of the Psychonomic Society, Boston, MA.

Bortfeld, H., Fava, F., & Boas, D. (October, 2009). *Assessing infants' cortical response to speech using near-infrared spectroscopy*. 1st Annual Neurobiology of Language Conference, Chicago, IL.

Fava, F., Manzano, I., Bortfeld, H., & Boas, D. (April, 2009). *Using NIRS to track early laterality for processing native and non-native speech*. Biennial Meeting of the Society for Research on Child Development, Denver, CO.

Sevy, A., Bortfeld, H., Huppert, T., Tonini, R., & Oghalai, J. (February, 2009). *Neuroimaging of deaf children following cochlear implantation: Speech-evoked activity within the auditory cortex detected with near infrared spectroscopy*. Abstracts of the 32nd Midwinter Research Meeting of the Association for Research in Otolaryngology, Baltimore, MD.

- Fava, E., Bortfeld, H., & Boas, D. (April, 2008). *Hemispheric dominance for speech and music in preverbal infants*. 15th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Fava, E., Bortfeld, H., & Boas, D. (March, 2008). *Tracking cortical specialization for music in preverbal infants*. 16th Biennial Meeting of the International Conference on Infant Studies, Vancouver, Canada.
- Bortfeld, H. & Morgan, J. (March, 2008). *Infant word recognition is stress-full*. 16th Biennial Meeting of the International Conference on Infant Studies, Vancouver, Canada.
- Bortfeld, H. & Morgan, J. (November, 2007). *Early word recognition may be stress-full*. 48th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Bortfeld, H., Fava, E., & Boas, D. (November, 2007). *Using near-infrared spectroscopy to track hemispheric dominance for speech in preverbal infants*. 37th Annual Meeting of the Society for Neuroscience, San Diego, CA.
- Fava, E., Bortfeld, H., & Boas, D. (May, 2007). *Are preverbal infants lateralized for language? Using NIRS to track hemispheric dominance for speech in 6- to 9-month-olds*. Neural Systems of Social Behavior, Austin, TX.
- Fava, E. & Bortfeld, H. (March, 2007). *Tracking hemispheric dominance for speech processing in 6- to 9-month-old infants*. Biennial Meeting of the Society for Research on Child Development, Boston, MA.
- Sappington, R., Bortfeld, H., & Smith, S. (November, 2006). *Comparing structural and discourse priming in conceptual combination*. 47th Annual Meeting of the Psychonomic Society, Houston, TX.
- Hull, R., Bortfeld, H., & Boas, D. (November, 2006). *Neural substrates for diversity in language experience*. 47th Annual Meeting of the Psychonomic Society, Houston, TX.
- Fava, E., Bortfeld, H., Hull, R., & Boas, D. (November, 2006). *Assessing infants' cortical response to speech using near-infrared spectroscopy*. 47th Annual Meeting of the Psychonomic Society, Houston, TX.
- Wilcox, T., Bortfeld, H., Woods, R., Armstrong, J., & Boas, D. (October, 2006). *Neural activation to featural and spatiotemporal discontinuities in the infant brain: An optical imaging study*. 36th Annual Meeting of the Society for Neuroscience, Atlanta, GA.
- Bortfeld, H. & Fava, E. (May, 2006). *Are preverbal infants lateralized for language? Using NIRS to track hemispheric dominance for speech in 6-9 month olds*. Texas A&M Faculty of Neuroscience Spring Symposium, Bryan, TX.
- Grant, E., Themelis, G., Arvin, K., Thaker, S., Krishnamoorthy, K., Bortfeld, H., & Franceshini, M. A. (March, 2006). *Alterations in regional oxygen saturation (StO₂) and blood volume (HbT) in infants with brain injuries and ECMO*. Biomedical Topical Meeting of the Optical Society of America, Fort Lauderdale, FL.
- Bortfeld, H., Wruck, E., & Boas, D. (November, 2005). *Dissociating uni- from multimodal perception in infants using optical imaging*. 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Thaker, S., Grant, E., Arvin, K., Bortfeld, H., Chaves, T., Themelis, G., Wruck, E., Almeida, P., Krishnamoorthy, K., & Franceschini M. A. (November, 2005). *Cerebral measurements of hemoglobin*

concentration and oxygenation with near-infrared spectroscopy in neonates. Annual Meeting of the Radiological Society of North America, Chicago, IL.

Singh, L., Nestor, S., & Bortfeld, H. (November, 2005). *Overcoming the effects of variation in infant word recognition: Influences of semantic and phonological factors.* 30th Annual Boston University Conference on Language Development, Boston, MA.

Bortfeld, H. (April, 2005). *Near-infrared spectroscopy: A new technique for assessing infant perception and cognition.* Symposium Coordinator and Chair. Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.

Bortfeld, H. & Wruck, E. (April, 2005). *Identifying neurophysiological correlates of speech perception in the first year.* Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.

McGlone, M. S., Bortfeld, H., & Kobrynowicz, D. (April, 2005). *Using idioms to invoke implicit analogical framing in decision making.* Symposium about Language and Society-Austin (SaLSA) XIII, Austin, TX.

Wilcox, T., Bortfeld, H., Woods, R., Wruck, E., & Boas, D. (October, 2004). *Using near-infrared spectroscopy to assess neural activation during object processing in infants.* 34th Annual Meeting of the Society for Neuroscience, San Diego, CA.

Bortfeld, H., Wruck, E., & Boas, D. (May, 2004). *Optical neuroimaging reveals temporal lobe activation during language exposure.* 14th Biennial International Conference on Infant Studies, Chicago, IL.

Bortfeld, H., Sappington, R., Smith, S. M., & Hull, R. M. (August, 2003). *Retention of contextually biased interpretations of conceptual combinations.* 14th Annual meeting of the Society for Text and Discourse Processing, Chicago, IL.

Bortfeld, H., Sappington, R., Smith, S. M., & Hull, R. M. (August, 2003). *Retention of contextually biased interpretations of conceptual combinations.* 26th Annual meeting of the Cognitive Science Society, Chicago, IL.

Bortfeld, H., Sappington, R., Smith, S. M., & Hull, R. G. (November, 2003). *Conceptual combination in context.* 44th Annual meeting of the Psychonomic Society, Vancouver, B. C.

Bortfeld, H., Smith, S. M., Hull, R. M., & Ledlie, J. (June, 2003). *Putting conceptual combination in context.* 15th Annual Convention of the American Psychological Society, Atlanta, GA.

Bortfeld, H. (April, 2003). *Attentional influences on infants' word recognition and segmentation abilities.* Society for Research in Child Development Biennial Meeting, Tampa, FL.

Rathbun, K., Bortfeld, H., Morgan, J., & Golinkoff, R. (April, 2003). *What's in a frame: Using highly familiar items to aid segmentation.* Biennial Meeting of the Society for Research in Child Development, Tampa, FL.

Nadig, A., Sedivy, J., Joshi, A., & Bortfeld, H. (November, 2002). *The development of discourse constraints on the interpretation of adjectives.* 27th Annual Boston University Conference on Language Development, Boston, MA.

- Rathbun, K., Bortfeld, H., Morgan, J., & Golinkoff, R. (November, 2002). *What's in a name: Using highly familiar items to aid segmentation*. 27th Annual Boston University Conference on Language Development, Boston, MA.
- Bortfeld, H. (October, 2002). *Infant speech segmentation: How highly familiar items serve as anchors for parsing*. ARMADILLO: The Southwest Cognition Conference, San Antonio, TX.
- Bortfeld, H. (June, 2002). *What speakers' images for idioms tell us about figurative language*. 12th Annual Meeting of the Society for Text and Discourse, Chicago, IL.
- Bortfeld, H., Rathbun, K., Golinkoff, R., & Morgan, J. (June, 2002). *Hot Topic: Early name recognition helps initiate infant speech segmentation*. 14th Annual Convention of the American Psychological Association, New Orleans, LA.
- Bortfeld, H., Rathbun, K., Golinkoff, R., Morgan, J., & Sootsman, J. (April, 2002). *Name recognition and speech segmentation*. 13th Biennial International Conference on Infant Studies, Toronto, Canada.
- Morgan, J., Singh, L., Bortfeld, H., Rathbun, K., White, K., & Anderson, J. (April, 2002). *The relationship between perceptual dissimilarity and processing time on infant word recognition*. 13th Biennial International Conference on Infant Studies, Toronto, Canada.
- Nadig, A., Sedivy, J., Bortfeld, H., & Joshi, A. (November, 2001). *The development of discourse constraints on the interpretation of pronominal and predicate adjectives*. 42nd Annual Meeting of the Psychonomic Society, Orlando, FL.
- Singh, L., Bortfeld, H., & Morgan, J. (November, 2001). *Evidence for episodic encoding in infant word recognition*. 26th Annual Boston University Conference on Language Development, Boston, MA.
- Morgan, J., Singh, L., Bortfeld, H., Rathbun, K., & White, K. (November, 2001). *Effects of speech rate and sentence position on infant word recognition*. 26th Annual Boston University Conference on Language Development, Boston, MA.
- Nadig, A., Sedivy, J., Bortfeld, H., & Joshi, A. (September, 2001). *The development of discourse constraints on the interpretation of pronominal and predicate adjectives*. 7th Annual Conference on Architectures and Mechanisms for Language Processing, Saarbrücken, Germany.
- Singh, L., Bortfeld, H., Rathbun, K. & Morgan, J. L. (April, 2001). *Effects of speeded and slowed speech on infant word recognition*. Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.
- Bortfeld, H., & Morgan, J. (November, 2000). *Infants match focusing stress at 7.5 months*. 41st Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Singh, L., Bortfeld, H., Rathbun, K., & Morgan, J. (November, 2000). *Effects of speech rate on infant word recognition*. 25th Annual Boston University Conference on Language Development, Boston, MA.
- Bortfeld, H., & Morgan, J. (July, 2000). *Infants match focusing stress at 7.5 months*. 12th Biennial International Conference on Infant Studies, Brighton, England.

Bortfeld, H., & Morgan, J. (November, 1999). *Focusing stress influences infants' recognition of words in fluent speech*. 40th Annual Meeting of the Psychonomic Society, Los Angeles, CA.

Bortfeld, H., & Morgan, J. (November, 1999). *The influence of focusing stress on infants' recognition of words in fluent speech*. 24th Annual Boston University Conference on Language Development, Boston, MA.

Bortfeld, H., & Morgan, J. (August, 1999). *Interaction of varieties of stress in infant-directed speech*. 14th International Congress of Phonetic Sciences, San Francisco, CA.

Bortfeld, H., Leon, S., Bloom, J., Schober, M., & Brennan, S. (July, 1999). *Which speakers are most disfluent in conversation and when?* 1st Annual Speech Disfluency Satellite Conference of the International Congress of Phonetic Sciences, Berkeley, CA.

McGlone, M., & Bortfeld, H. (March, 1999). *The continuum of metaphor processing*. Artificial Intelligence and Simulation of Behavior: Symposium on Metaphor, Artificial Intelligence, and Cognition, Edinburgh, Scotland.

Bortfeld, H., & Morgan, J. (October, 1998). *Multiple sources of stress in infant-directed speech*. Sound Patterns of Spontaneous Speech: Production and Perception, Aix-en-Provence, France.

Bortfeld, H., & Morgan, J. (November, 1998). *Disentangling multiple sources of stress in infant-directed speech*. 23rd Annual Boston University Conference on Language Development, Boston, MA.

Bortfeld, H. (November, 1997). *A cross-linguistic analysis of idiom comprehension by native and non-native speakers*. Dissertation Abstracts International, State University of New York, Stony Brook.

Bortfeld, H., & Brennan, S. (August, 1996). *Use of idiomatic referring expressions during conversations between native and non-native speakers*. 6th Annual Conference and Meeting of the Society for Text and Discourse Processing, San Diego, CA.

Bortfeld, H. (July, 1996). *Are Latvian idioms motivated by universal conceptual metaphors?* 5th Annual Conference on Baltic Studies, Waltham, MA.

Bortfeld, H., & Brennan, S. (November, 1994). *Lexical choice and language acquisition during conversations between native and non-native speakers*. 19th Annual Boston University Conference on Language Development, Boston, MA.

Bortfeld, H., & Brennan, S. (October, 1994). *Lexical entrainment: Evidence of shifting lexical choice between native and non-native speakers*. 18th Annual Penn Linguistics Colloquium, Philadelphia, PA.

Bortfeld, H. (June, 1992). *Student/teacher interaction in traditional Mexican classrooms: Three case studies in Morelia, Michoacan*. La Universidad Nacional Autónoma de México/University of California: Symposium on Study and Field Work, Mexico City, Mexico.

PROFESSIONAL AFFILIATIONS

American Psychological Society
 Psychonomic Society
 Cognitive Science Society
 International Society for Behavioral Neuroscience

International Society for Infant Studies
 Society for functional Near-Infrared Spectroscopy
 Society for Research on Child Development
 Society for the Neurobiology of Language

SERVICE

NATIONAL/INTERNATIONAL

- 2017-Present *Member, Junior Investigator Award Evaluation Committee*
 Brain Sciences
- 2017 *Co-Chair (with Rick Gilmore), Developmental Neuroscience Panel*
 International Conference on Infant Studies, Philadelphia, PA
- Member, Language and Communication Panel*
 International Conference on Infant Studies, Philadelphia, PA
- Review Editor*
 Frontiers in Human Neuroscience (Impact Factor: 3.6)
- Guest Editor*
Special Issue: Audiovisual Integration in Early Language Development
 Brain Sciences
- 2016- Present *Chair Elect, Nominating Committee*
 Society for the Neurobiology of Language
- Editorial Board Member*
 Brain Sciences
- 2016 *Co-Chair (with Nadège Roche), Neurodevelopment Session 1*
 Meeting of the Society for functional Near Infrared Spectroscopy, Paris, France
- Member, Program Committee*
 Meeting of the Society for Near Infrared Spectroscopy, Paris, France
- Member, Award Committee*
 Society for functional Near Infrared Spectroscopy, Early Investigator Award
- Member, Developmental Neuroscience Panel*
 International Conference on Infant Studies, New Orleans, LA
- 2014- Present *Co-Chair (with Mariangela Franchescini), Communication Committee*
 Society for functional Near-Infrared Spectroscopy
- 2014 *Chair, Language and Communication Panel*
 International Conference on Infant Studies, Berlin, Germany
- 2013- Present *Associate Editor*
 Developmental Science (Impact Factor: 4.6)

- Editorial Board Member*
Infancy (Impact Factor: 2.4)
- 2013-2015 *Meeting Liaison*
Society for Neurobiology of Language
- 2012- Present *Member, Board of Directors*
Society for functional Near-Infrared Spectroscopy
- 2007- Present *Editorial Board Member*
Open Neuroimaging Journal
- 2006-2009 *Grant Review Standing Panel Member*
United States Department of Education, Institute for Education Sciences
Reading and Writing Education Research
- 2004-2006 *Grant Review Panel Member*
United States Department of Education, Institute for Education Sciences
Reading and Writing Education Research (October, 2006)
Language/Vocabulary-Special Education Research (February, 2006)
Language/Vocabulary-Special Education Research (October, 2005)
Cognition and Student Learning Education Research (March, 2005)
Reading and Writing Education Research (October, 2004)
- 2002-2015 *Editorial Board Member*
Discourse Processes (Impact Factor: 2.1)

Ad-hoc Reviewer (Grants)

Doctoral Dissertation Research Improvement Awards, Linguistics, National Science Foundation
Language and Linguistics Program, National Science Foundation
John R. Evans Leaders Fund, Canada Foundation for Innovation
Austrian Science Fund, Austrian Academy of Sciences
Fundação para a Ciência e a Tecnologia, I.P., Portuguese Ministry of Education and Science
Perception, Action & Cognition Program, National Science Foundation
Council for Social Sciences, Netherlands Organization for Scientific Research
Advanced Grant Project Proposals, European Research Council
Fund for Promotion of Scientific Research and Teaching, Austrian Academy of Sciences
Collaborative Incentive Research Grant, City University of New York

Ad-hoc Reviewer (Conference Abstracts)

Abstracts for the Biennial Meeting of the Society for Near Infrared Spectroscopy
Attention, Learning, & Memory Abstracts, Society for Research in Child Development
Abstracts for the Annual Meeting of the Society for the Neurobiology of Language
Abstracts for Architectures and Mechanisms of Language Processing (AMLaP)
Abstracts for the Conference of the Cognitive Science Society

Ad Hoc Reviewer (Journals)

Applied Psycholinguistics
Autism Research
Behavioral and Brain Sciences

Brain and Cognition
 Brain and Language
 Cerebral Cortex
 Child Development
 Cognition
 Cognitive Science
 Current Biology
 Developmental Cognitive Neuroscience
 Developmental Neurobiology
 Developmental Neuropsychology
 Developmental Psychology
 Developmental Science
 Discourse Processes
 Early Human Development
 European Journal of Neuroscience
 Frontiers in Language Sciences
 Frontiers in Neuroenergetics
 Frontiers in Neuroscience
 Infancy
 Journal of the Acoustical Society of America
 Journal of Child Language
 Journal of Experimental Child Psychology
 Journal of Experimental Psychology: General
 Journal of Experimental Psychology: Learning, Memory, & Cognition
 Journal of Language and Social Psychology
 Journal of Memory and Language
 Journal of Neuroscience
 Language and Cognitive Processes
 Language, Cognition, & Neuroscience
 Language and Speech
 Language Learning
 Language Learning and Development
 Memory and Cognition
 Metaphor and Symbol
 Neurophotonics
 Neuropsychology
 Neuropsychopharmacology
 Neuroscience Letters
 PLoS-One
 Proceedings of the National Academy of Sciences
 Psychological Science
 Psychonomic Bulletin and Review
 Survey Research Methods
 Time and Society
 Trends in Cognitive Sciences

UNIVERSITY OF CALIFORNIA, MERCED

2017

Faculty Judge
Spring GradSLAM!

- 2016-Present *Member*
 Committee on Academic Personnel
- By-Law Unit Representative, Psychological Sciences*
 SSHA Executive Committee
- 2015-2017 *Faculty Assessment Organizer*
 Psychological Sciences, SSHA

UNIVERSITY OF CONNECTICUT

- 2012-2015 Departmental Vision Committee
 Promotion and Tenure Review Committee
 Psi Chi Faculty Advisor
- 2012-2013 Acting Division Head, Developmental
 Systems Science Search Committee
 Courses & Curriculum Committee
 3rd Annual Language Fest, University of Connecticut, Storrs, CT
- 2010-2011 Developmental Area Brownbag Coordinator
 PsiChi Induction Ceremony Speaker, University of Connecticut, Storrs, CT
 2nd Annual Language Fest, University of Connecticut, Storrs, CT
- 2009-2015 Woman in Math, Science, and Engineering (WiMSE)
 Steering Committee, Hartford Children's Zone, Hartford, CT

TEXAS A&M UNIVERSITY

- 2007-2009 *Member*
 Faculty of Neuroscience
 Interdisciplinary Neuroscience Program
 University Scholars Program
- 2007 *Coordinator*
 Psychology Club Speaker Series
- 2006 *Nomination Committee Member*
 Faculty Network Steering Committee
- Faculty Judge*
 Graduate Student Poster Competition, Spring Neuroscience Symposium
- 2004-2009 *Executive Committee Member*
 Institutional Review Board,
 Office of the Vice President for Research
 Texas A&M University

PRIMARY STUDENT SUPERVISION

Thesis Supervision, University of California, Merced

Allison Gabouer (expected Spring, 2018)

Dissertation Supervision, University of Connecticut

Nicole Depowski, *Do hearing parents engage their deaf children differently than hearing parents of hearing children?* (Spring, 2017)

Thesis Supervision, University of Connecticut

Molly Nowels, *Differences in parental spoken language input, gesture, and emotional sensitivity between hearing parents of deaf children and hearing parents of hearing children* (May, 2014)

Kathleen Shaw, *Infants may be sensitive to asynchronous audiovisual speech* (December, 2013)

Nicole Depowski, *Differences and similarities in joint attention in modality-matched dyads compared to modality mismatched dyads* (May, 2013)

Dissertation Supervision, Texas A&M University

Eswen Fava, *Tracking language tuning across the first year of life using near-infrared spectroscopy* (May, 2011)

Eric Wruck, *Applying near-infrared spectroscopy to the study of speech perception in infants* (May, 2005)

Thesis Supervision, Texas A&M University

Eswen Fava, *Identifying cortical specialization for music processing in preverbal infants* (February, 2008)

Randy Sappington, *The time course of discourse priming in the interpretation of conceptual combinations* (August, 2005)

SECONDARY STUDENT SUPERVISION

University of California, Merced

Dissertation: Maryam Trebeau Crogman (DEV, 2017), Erin Roby (DEV, 2017),

Thesis: Jennifer Knothe (DEV, 2016)

University of Connecticut

Dissertation: Jessica Mayo (CLN, 2014), Jason Anastas (DEV, 2013), Michelle Alexander (BNS, 2013), Pamela Whitney (DEV, 2012); Rebecca Boncoddo (DEV, 2011); Saime Tek (DEV, 2010)

Thesis: Janill Marquez (DEV, 2015), Kinga Palatinus (DEV, 2014), Christina Irvine (CLN, 2014), Jessica May (CLN, 2012), Michelle Alexander (BNS, 2011)

Texas A&M University

Dissertation: Chaitra Rao (2010); Suzannah Creech (2007); Hsin-Chin Chen (2007); Rebecca Woods (2006); Marco Zavala (2006); Upali Nanda (2005); David Gerkens (2004); Missy Patterson (2004)

Thesis: Jennifer Armstrong (2009); Christine Schwartz (2007); Benjamin Packard (2006); Hsin-Chin Chen (2006); Marco Zavala (2005); Rebecca Woods (2004); Francisco Martinez (2004); Suzannah Creech (2004); Upali Nanda (2004)

GRADUATE STUDENT HONORS AND DISTINCTIONS

Host Advisor, Fulbright, International Educational Exchange Fellowship, Martijn Baart, Tilburg University (2010)

Advisor, Integrative Graduate Education and Research Traineeship, NSF, Kathleen Shaw (2011-2015)

Advisor, National Research Service Award, NIH/NIDCD, Eswen Fava (2008-2011)

Advisor, First Year Student Research Award, Eswen Fava (2006)

Advisor, Research and Presentation Grant, Association of Former Students, Eswen Fava (2006)

Advisor, Student Research Week, First Place Poster Award, Randy Sappington (2004)

Advisor, Department of Psychology Travel Award, Randy Sappington (2004)

UNDERGRADUATE STUDENT SUPERVISION***Undergraduate Student Honors and Distinctions, University of California, Merced***

Tania Arellano (Graduation: Spring, 2017)

Undergraduate Student Honors and Distinctions, University of Connecticut

Casey Turovac (Graduation: Spring, 2016)

Summer Undergraduate Research Fund (SURF) CLAS Dean's Award Recipient (Summer, 2015)

Leighanne Ormston (Graduation: Spring, 2016)

Psychology Honors Thesis
 UCONN SHARE Research Award Recipient (Summer, 2015)
 Psychology Undergraduate Research Grant Recipient

Jessica Gaafar (Graduation: Spring, 2015)

Psychology Honors Thesis
 Psychology Undergraduate Research Grant Recipient

Jessica Castagnetti (Graduation: Spring, 2014)

Psychology Honors Thesis

Arielle Rubin (Graduation: Spring, 2013)

15th Annual Frontiers in Undergraduate Research Poster Exhibition
 Psychology Honors Thesis

Psychology Undergraduate Research Grant Recipient
 Summer Undergraduate Research Fund (SURF) CLAS Dean's Award
 (Summer 2012)

Barbara Gruenbaum (Graduation: Spring, 2012)
 15th Annual Frontiers in Undergraduate Research Poster Exhibition
 Psychology Undergraduate Research Grant Recipient
 Summer Undergraduate Research Fund (SURF) CLAS Dean's Award
 (Summer 2011)

Juliana Flynn (Graduation: Spring, 2011)
 Cognitive Science Honors Thesis
 14th Annual Frontiers in Undergraduate Research Poster Exhibition
 Psychology Undergraduate Research Grant Recipient
 Summer Undergraduate Research Fund (SURF) CLAS Dean's Award (2010)

TEACHING

2015-present **University of California, Merced, Psychological Sciences**

Developmental Psychology (Undergraduate)
 Developmental Cognitive Neuroscience (Graduate)
 Professional Development Seminar I/II (Graduate)

2009-2015 **University of Connecticut, Department of Psychology**

Developmental Psychology (Undergraduate)
 Developmental Cognitive Neuroscience (Undergraduate)
 Developmental Cognitive Neuroscience (Graduate)

2002-2009 **Texas A&M University, Department of Psychology**

Survey of Interdisciplinary Research (Texas A&M Honors College)
 Developmental Psychology (Undergraduate)
 Human Cognitive Processes (Undergraduate)
 Human Cognitive Processes (Undergraduate Honors)
 Sensation and Perception (Undergraduate Honors)
 Perceptual Processes (Graduate)
 Cognition (Graduate)
 Neuroscience and Architecture (Graduate)
 —jointly with Dr. Louis Tassinary, Dept. of Architecture

1998-2002 **Brown University, Department of Cognitive and Linguistic Sciences**

Approaches to the Mind: Introduction to Cognitive Science (Undergraduate)
 Children's Thinking: The Nature of Cognitive Development (Undergraduate)
 Children's Thinking (Undergraduate Honors)

1994-1995 **University of Latvia**

Cognitive Psychology: Foundations (Graduate)

Conversational English: Methods for Instructors (Graduate)
Principles of Idiomatic English (Undergraduate)

1992-1998 **State University of New York, Stony Brook, Department of Psychology**

Sensation and Perception (Undergraduate)
Cognitive Psychology (Undergraduate)
Experimental Research Methods Lab (Undergraduate)

MEDIA EXPOSURE

- “Listen up: Auditory scientists catch students’ attention”
(Dietrich College of Humanities and Social Sciences Newsletter, Carnegie Mellon University, 5/17/2017)
- “Researchers unlocking the mysteries of children’s minds”
(University of California, Merced Magazine, Spring 2016)
- “Near-infrared speech in babies”
(Spectroscopy Now, 11/01/2006)
- “Shedding light on babies’ brains”
(Nature Network, Boston, 09/19/2006)
- “Ages + Stages: That’s my name!”
(Parenting Magazine, 06/01/2006)
- “Times Online: Babies use their own names to help to understand language”
(The Times, London, 10/07/2005)
- “Los bebés usan sus nombres para aprender el lenguaje”
(Solo Ciencia, Spain, 06/01/2005)
- “Babies get hooked on their names, learn to talk”
(The Atlanta Journal-Constitution, Bill Hendrick, 05/08/2005)
- “Baby’s little secret”
(The Los Angeles Times, Editorial, 05/05/2005)
- “Baby names names”
(The San Diego Tribune, 03/30/2005)
- “Babys hangeln sich von Wort zu Wort”
(TagesNews, Germany, 03/01/05)
- “Wie sich Babys im Sprachfluss zurechtfinden”
(Bild der Wissenschaft, Germany, 02/28/05)
- “Think tank: Just like, er, words, not, um, throwaways”
(The New York Times, Michael Erard, 01/03/04)
- “Babies use their names as key to learning language”
(Reuters, 6/28/02)
- Featured on:*
ABC Nightly News
Discovery Health Channel
Health Talk with Dr. Martin