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## **CURRICULUM VITAE** **Joanna H. Lowenstein, Ph.D.**

Speech Development Lab  
Department of Speech, Language, and Hearing Sciences  
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### **Education**

#### **Ph.D., University of Chicago**

Department of Linguistics, 2003

Dissertation: Artificial hearing, natural speech: Cochlear implants, speech production, and the expectations of a high-tech society

Committee: Bill Darden (chair), Sean Fulop, Susan Goldin-Meadow

#### **B.A, Cornell University**

Linguistics, 1993

Graduated cum laude with distinction in all subjects

### **Research Experience**

#### **Research Assistant Professor, University of Florida**

Speech Development Lab, 2015 –

Managed Dr. Susan Nittrouer's NIH grants, in addition to performing research on speech perception in children and adults and mentoring and training graduate and undergraduate students.

#### **Program Manager, The Ohio State University**

Speech Development Lab, 2014 – 2015

Managed Dr. Susan Nittrouer's NIH grants, in addition to performing research on speech perception in children and adults.

#### **Research Associate, The Ohio State University**

Speech Development Lab, 2011 – 2014

#### **Post-Doctoral Fellow, Utah State University and The Ohio State University**

Speech Development Lab, 2003 – 2011

Research on child language development, under Dr. Susan Nittrouer

Acoustic analysis of stops and fricatives in infant speech

Research on speech perception in children and adults

## University of Chicago

Department of Linguistics/Language Labs and Archives, 1995-2003, under Dr. Karen Landahl  
Acoustic analysis of the Norwegian vowel system, 1995-1997  
Acoustic analysis and perception studies of liquid-stop interaction at different speech rates,  
1996-1998  
Dissertation research, 1998-2003

## Teaching Experience

**Instructor**, University of Chicago  
Co-taught Phonetics, Fall 1996

**Teaching Assistant**, University of Chicago  
Phonetics: Fall 1995, Fall 2000, Fall 2002  
Experimental Phonetics: Winter 1999, Winter 2001  
Developed lab curriculum, Winter 2001

## Academic Honors and Scholarships

Fellowship to attend the "New Frontiers in the Amelioration of Hearing Loss" conference, 2001  
Sawyer Graduate Fellowship, 1999-2000  
Graduate Tuition Fellowship and Stipend, Department of Linguistics, University of Chicago,  
1993-1997

## Publications

2019. **Lowenstein, Joanna H.** and Susan Nittrouer. "Perception-production links in children's speech," *Journal of Speech, Language, and Hearing Research*, 62, 853-867.
2019. **Lowenstein, Joanna H.**, Courtney Cribb, Popy Shell, Yi Yuan, and Susan Nittrouer. Children's Suffix Effects for Verbal Working Memory Reflect Phonological Coding and Perceptual Grouping. *Journal of Experimental Child Psychology*, 183, 276-294.
2018. Nittrouer, Susan, Meganne Muir, Kierstyn Tietgens, Aaron C. Moberly, and **Joanna H. Lowenstein**. "Development of phonological, lexical, and syntactic abilities in children with cochlear implants across the elementary grades," *Journal of Speech, Language, and Hearing Research*, 61, 2561-2577.
2018. Nittrouer, Susan, Letitia M. Krieg, and **Joanna H. Lowenstein**. "Speech recognition in noise by children with and without dyslexia: How is it related to reading?," *Research in Developmental Disabilities*, 77, 98-113.
2017. Nittrouer, Susan, Amanda Caldwell-Tarr, Keri E. Low, and **Joanna H. Lowenstein**. "Verbal working memory in children with cochlear implants," *Journal of Speech, Language, and Hearing Research*, 60, 3342-3364.
2016. Nittrouer, Susan, **Joanna H. Lowenstein**, Taylor Wucinich, and Aaron Moberly. "Verbal working memory in older adults: The roles of phonological capacities and processing speed," *Journal of Speech, Language, and Hearing Research*, 59, 1520-1532.

2016. Nittrouer, Susan, **Joanna H. Lowenstein**, and Chris Holloman. "Early predictors of phonological and morphosyntactic skills in second graders with cochlear implants," *Research in Developmental Disabilities*, 55, pp. 143-160.
2016. Moberly, Aaron, **Joanna H. Lowenstein**, and Susan Nittrouer. "Word recognition variability with cochlear implants: The degradation of phonemic sensitivity," *Otology and Neurotology*, 37, pp. 470-477.
2016. Moberly, Aaron, **Joanna H. Lowenstein**, and Susan Nittrouer. "Early bimodal stimulation benefits language acquisition for children with cochlear implants," *Otology & Neurotology*, 37, pp. 24-30.
2016. Moberly, Aaron, **Joanna H. Lowenstein**, and Susan Nittrouer. "Word recognition variability with cochlear implants: "Perceptual attention" versus "auditory sensitivity"," *Ear and Hearing*, 37, pp. 14-26.
2015. Nittrouer, Susan, Jamie Kuess, and **Joanna H. Lowenstein**. "Speech perception of sine-wave signals by children with cochlear implants," *Journal of the Acoustical Society of America*, 137, pp. 2811-2822.
2015. Nittrouer, Susan, Eric Tarr, Taylor Wucinich, Aaron C. Moberly, and **Joanna H. Lowenstein**. "Measuring the effects of spectral smearing and enhancement on speech recognition in noise for adults and children," *Journal of the Acoustical Society of America*, 137, pp. 2004-2014.
2015. Nittrouer, Susan and **Joanna H. Lowenstein**. "Weighting of acoustic cues to a manner distinction by children with and without hearing loss," *Journal of Speech, Language, and Hearing Research*, 58, pp. 1077-1092.
2015. **Lowenstein, Joanna H.** and Susan Nittrouer. "All cues are not created equal: the case for facilitating the acquisition of typical weighting strategies in children with hearing loss," *Journal of Speech, Language, and Hearing Research*, 58, pp. 466-480.
2014. Nittrouer, Susan and **Joanna H. Lowenstein**. "Dynamic spectral structure specifies vowels for adults and children," *Language and Speech*, 57, pp.487-512.
2014. Nittrouer, Susan, Amanda Caldwell-Tarr, Emily Samson, Jill Twersky, and **Joanna H. Lowenstein**. "Nonword repetition in children with cochlear implants: A potential clinical marker of poor language acquisition," *American Journal of Speech-Language Pathology*, 23, pp. 679-695.
2014. Nittrouer, Susan, **Joanna H. Lowenstein**, Taylor Wucinich and Eric Tarr. "Benefits of preserving stationary and time-varying formant structure in alternative representations of speech: Implications for cochlear implants," *Journal of the Acoustical Society of America*, 136, pp. 1845-1856.
2014. Moberly, Aaron C., **Joanna H. Lowenstein**, Eric Tarr, Amanda Caldwell-Tarr, D. Bradley Welling, Antoine J. Shahin and Susan Nittrouer. "Do adults with cochlear implants rely on different acoustic cues for phoneme perception than adults with normal hearing?" *Journal of Speech, Language, and Hearing Research*, 57, pp. 566-582.

2014. Nittrouer, Susan, Amanda Caldwell-Tarr, Aaron C. Moberly, and **Joanna H. Lowenstein**. "Perceptual weighting strategies of children with cochlear implants and normal hearing," *Journal of Communication Disorders*, 52, 111-133.
2014. Nittrouer, Susan, Eric Tarr, Virginia Bolster, Aaron C. Moberly, and **Joanna H. Lowenstein**. "Low-frequency signals support perceptual organization of implant-simulated speech for adults and children," *International Journal of Audiology*, 53, pp. 270-284.
2014. Nittrouer, Susan and **Joanna H. Lowenstein**. "Separating the effects of acoustic and phonetic factors in linguistic processing by adults and children." *Applied Psycholinguistics*, 35, pp. 333-370.
2013. Nittrouer, Susan, Amanda Caldwell-Tarr and **Joanna H. Lowenstein**. "Working memory in children with cochlear implants: Problems are with storage, not processing," *International Journal of Pediatric Otorhinolaryngology*, 77, 1886-1898.
2013. Nittrouer, Susan, Amanda Caldwell-Tarr, Eric Tarr, and **Joanna H. Lowenstein**. "Improving speech-in-noise recognition for children with hearing loss: Potential effects of language abilities, binaural summation, and head shadow," *International Journal of Audiology*, 52, pp. 513-52.
2013. Susan Nittrouer and **Joanna H. Lowenstein**. "Perceptual organization of speech signals by children with and without dyslexia," *Research in Developmental Disabilities*, 34, pp. 2304-2325.
2013. Nittrouer, Susan, **Joanna H. Lowenstein** and Eric Tarr. "Amplitude rise time does not cue the /ba/-/wa/ contrast for adults or children," *Journal of Speech, Language, and Hearing Research*, 56, pp. 427-440.
2012. **Lowenstein, Joanna H.**, Susan Nittrouer. and Eric Tarr. "Children weight dynamic spectral structure more than adults: Evidence from equivalent signals." *Journal of the Acoustical Society of America – Express Letters*, 132, pp. EL443-EL449.
2012. Nittrouer, Susan, Amanda Caldwell, **Joanna H. Lowenstein**, Eric Tarr and Chris Holloman. "Emergent literacy skills in kindergartners with cochlear implants." *Ear & Hearing*, 33, pp. 683-697.
2011. Phinney Johnson, Erin, Bruce F. Pennington, **Joanna H. Lowenstein**, and Susan Nittrouer. "Sensitivity to structure in the speech signal by children with speech sound disorder and reading disability." *Journal of Communication Disorders*, 44, pp. 294-314.
2011. Nittrouer, Susan, Samantha Shune and **Joanna H. Lowenstein**. "What is the deficit in phonological processing deficits: Auditory sensitivity, masking, or object formation?" *Journal of Experimental Child Psychology*, 108, pp. 762-785.
2010. Nittrouer, Susan and **Joanna H. Lowenstein**. "Learning to perceptually organize speech signals in native fashion." *Journal of the Acoustical Society of America*, 127, pp. 1624-1635.
2009. Nittrouer, Susan, **Joanna H. Lowenstein**, and Robert Packer. "Children discover the spectral skeletons in their native language before the amplitude envelopes." *Journal of Experimental Psychology: Human Perception and Performance*, 35, pp. 1245-1253.

2009. Nittrouer, Susan and **Joanna H. Lowenstein**. "Does harmonicity explain children's cue weighting of fricative-vowel syllables?" *Journal of the Acoustical Society of America*, 125, pp. 1679-1692.
2008. **Lowenstein, Joanna H.** and Susan Nittrouer. "Patterns of acquisition of native voice onset time (VOT) in English-learning children." *Journal of the Acoustical Society of America*, 124, pp. 1180-1191.
2008. Nittrouer, Susan and **Joanna H. Lowenstein** "Spectral structure across the syllable specifies final-stop voicing for adults and children alike." *Journal of the Acoustical Society of America*, 123, pp. 377-385.
2007. **Lowenstein, Joanna H.** *Artificial Hearing, Natural Speech: Cochlear implants, speech production, and the expectations of a high-tech society*. New York: Routledge.
2007. Nittrouer, Susan, and **Joanna H. Lowenstein**. "Children's weighting strategies for word-final stop voicing are not explained by auditory capacities." *J. Speech Lang. Hear. Res.*, 50, pp. 58-73.
2005. Nittrouer, Susan, Sandy Estee, **Joanna Lowenstein**, and Jennifer Smith. "The emergence of mature gestural patterns in the production of voiceless and voiced word-final stops." *Journal of the Acoustical Society of America*, 117, pp. 351-364.
2003. **Lowenstein, Joanna H.** "Acoustic analysis of the speech of adults with cochlear implants." *Proceedings of the XVth International Congress of Phonetic Sciences*, pp. 3113-3116.
1998. Hirata, Yukari, **Joanna Lowenstein**, and Audra Dainora. "Acquisition of Spoken Language." In *CLS 34: The Panels*, ed. by M. Catherine Gruber (pp. 201-205). Chicago: Chicago Linguistic Society.
1997. Hemphill, Rachel, Yukari Hirata, Karen Landahl, **Joanna Lowenstein**, and Audra Dainora. "Questioning the Continuum: The Use of V[r/l][d/g]V Evidence in Gestural Theories of Speech Perception." In *CLS 33: The Panels*, ed. by Kora Singer, Randall Eggert, and Gregory Anderson (pp. 333-347). Chicago: Chicago Linguistic Society.
1996. Ziolkowski, Michael, Peter Viechnicki, Karen Landahl, and **Joanna Lowenstein**. "The Supraformant Hypothesis and the Acoustic Structure of Norwegian Vowels." In *CLS 32: The Main Session*, ed. by Lisa McNair, Kora Singer, Lise M. Dobrin, and Michelle M. Aucoin (pp. 461-475). Chicago: Chicago Linguistic Society.

## Abstracts

2019. **Lowenstein, Joanna H.** and Nittrouer, Susan. More information is more information: Working memory and visual context. *Journal of the Acoustical Society of America*, 145, 1822.
2018. Nittrouer, Susan, **Joanna H. Lowenstein**, and Donal Sinex. Spectral modulation detection in adolescents with normal hearing or cochlear implants predicts some language skills, but not others. *Journal of the Acoustical Society of America*, 144, 1794.
2018. Nittrouer, Susan, **Joanna H. Lowenstein**, and Donal G. Sinex. Spectral modulation depth detection predicts spoken language abilities of adolescents with normal hearing

and cochlear implants. Association for Research in Otolaryngology 41st Annual Midwinter Meeting

2015. Nittrouer, Susan and **Joanna H. Lowenstein**. "Working memory problems of the elderly arise in the central processor, not the phonological loop," *Journal of the Acoustical Society of America*, 138, p. 1924.
2014. **Lowenstein, Joanna H.**, Eric Tarr and Susan Nittrouer. "Effects of spectral smearing on sentence recognition by adults and children," *Journal of the Acoustical Society of America*, 136, p. 2262.
2014. Nittrouer, Susan, Amanda Caldwell-Tarr and **Joanna H. Lowenstein**. "What explains perceptual weighting strategies of children with CIs: Auditory sensitivity or language experience?" *Journal of the Acoustical Society of America*, 135, p. 2228.
2011. **Lowenstein, Joanna H.** and Susan Nittrouer. "Dynamic spectral structure really does support vowel recognition." *Journal of the Acoustical Society of America*, 120, p. 2375.
2010. Nittrouer, Susan and **Joanna H. Lowenstein**. "Linguistic processing of vocoded signals." *Journal of the Acoustical Society of America*, 124, p. 1904.
2008. **Lowenstein, Joanna H.** and Susan Nittrouer. "Getting phonetic structure from an aphonetic signal." *Journal of the Acoustical Society of America*, 124, p. 2458.
2007. **Lowenstein, Joanna H.** and Susan Nittrouer. "Why do children attend to global structure in speech signals?" *Journal of the Acoustical Society of America*, 122, p. 3032.
2007. Nittrouer, Susan and **Joanna H. Lowenstein**. "The contributions of global spectral and amplitude structure to speech perception by English-speaking adults and children and Mandarin-speaking adults." *Journal of the Acoustical Society of America*, 122, p. 3032.
2006. **Lowenstein, Joanna H.** and Susan Nittrouer. "Fricative development in English-learning children." *Journal of the Acoustical Society of America*, 119, p. 3421.
2004. **Lowenstein, Joanna H.** and Susan Nittrouer. "The acquisition of voice onset time in English-learning infants." *Journal of the Acoustical Society of America*, 115, p. 2465.
2001. **Lowenstein, Joanna H.** "Acoustic analysis of the speech of adults with cochlear implants: A case study." *Journal of the Acoustical Society of America*, 109, p. 2503.
1998. Denton, Jeannette M., Yukari Hirata, **Joanna H. Lowenstein**, Candace V. Perez, and Karen L. Landahl. "Perception of stops in naturally produced V[l/r][b/d/g] tokens: a reassessment of acoustic cues to place of articulation." *Journal of the Acoustical Society of America*, 104, p. 1777.
1996. **Lowenstein, Joanna H.**, Karen L. Landahl, Michael S. Ziolkowski, and Peter D. Viechnicki. "The supraformant hypothesis for vowels: Evidence from Norwegian." *Journal of the Acoustical Society of America*, 100, p. 2686.
1996. Dainora, Audra, Rachel Hemphill, Yukari Hirata, Kenneth Olson, **Joanna Lowenstein**, and Karen Landahl. "Effects of context and speaking rate on liquid-stop sequences: A reassessment of traditional acoustic cues." *Journal of the Acoustical Society of America*, 100, p. 2601.

1995. Ziolkowski, Michael S., **Joanna H. Lowenstein**, Karen L. Landahl, Peter D. Viechnicki, and Richard E. McDorman. "An analysis of Norwegian vowels: What determines the topography of a vowel space?" *Journal of the Acoustical Society of America*, 98, p. 2966.

## Presentations

May, 2019. Lowenstein, J. H. & Nittrouer, S. More information is more information: Working memory and visual context. Acoustical Society of America, 177<sup>th</sup> Meeting, Louisville, KY. Poster.

November, 2018. Nittrouer, S., Lowenstein, J. H., & Sinex, D. Spectral modulation detection in adolescents with normal hearing or cochlear implants predicts some language skills, but not others. Acoustical Society of America, 176<sup>th</sup> Meeting, Victoria, BC. Podium presentation.

February, 2018. Nittrouer, S., Lowenstein, J. H., & Sinex, D. G. Spectral modulation depth detection predicts spoken language abilities of adolescents with normal hearing and cochlear implants. Association for Research in Otolaryngology 41<sup>st</sup> Annual Midwinter Meeting, San Diego, CA. Poster.

October, 2017. Lowenstein, J. H., Krieg, L., & Nittrouer, S. Comparing literacy skills in children with cochlear implants to children with dyslexia. Florida Psycholinguistics Meeting, 3<sup>rd</sup> Annual, Gainesville, FL. Poster.

October, 2017. Yuan, Y., Lowenstein, J. H., & Nittrouer, S. Effects of audio-visual presentation on verbal working memory. Florida Psycholinguistics Meeting, 3<sup>rd</sup> Annual, Gainesville, FL. Poster.

November, 2015. Nittrouer, S. & Lowenstein, J. H. Working memory problems of the elderly arise in the central processor, not the phonological loop. Acoustical Society of America, 170<sup>th</sup> Meeting, Jacksonville, FL. Poster.

October, 2014. Lowenstein, J. H. & Nittrouer, S. Effects of spectral smearing on sentence recognition by adults and children. Acoustical Society of America, 168<sup>th</sup> Meeting, Indianapolis, IN. Poster.

May, 2014. Nittrouer, S., Caldwell-Tarr, A., & Lowenstein, J. H. What explains perceptual weighting strategies of children with CIs: Auditory sensitivity or language experience? Acoustical Society of America, 167<sup>th</sup> Meeting, Providence, RI. Poster.

July, 2013. Nittrouer, S., Caldwell-Tarr, A., Rice, C., & Lowenstein, J.H. Speech perception of second-grade children with cochlear implants: Comparison to typical children. Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Poster.

July, 2013. Nittrouer, S., Tarr, E., Lowenstein, J., & Bolster, V. Perceptual benefit of a low-frequency acoustic signal with electric stimulation for children and adults. Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Poster.

July, 2013. Moberly, A., Lowenstein, J., Tarr, E., Caldwell, A., Welling, D. B., Shahin, A., & Nittrouer, S. Do cochlear implant users rely on different acoustic cues than normal-

hearing adults? A study of cue weighting and salience. Conference on Implantable Auditory Prostheses, Lake Tahoe, CA. Poster.

- February, 2013. Nittrouer, S., Lowenstein, J., & Caldwell, A. Children with cochlear implants demonstrate working memory deficits in storage, not processing. Association for Research in Otolaryngology, Baltimore, MD.
- November 1, 2011. Acoustical Society of America, 162nd Meeting (San Diego, CA). "Dynamic spectral structure really does support vowel recognition." With Susan Nittrouer.
- April 21, 2010. Acoustical Society of America, 159th Meeting (Baltimore, MD). "Linguistic processing of vocoded signals." With Susan Nittrouer. Poster.
- November 10, 2008. Acoustical Society of America, 156th Meeting (Miami, FL). "Getting phonetic structure from an aphonetic signal." With Susan Nittrouer. Poster.
- November 29, 2007. Acoustical Society of America, 154th Meeting (New Orleans, LA). "The contributions of global spectral and amplitude structure to speech perception by English-speaking adults and children and Mandarin-speaking adults." With Susan Nittrouer. Poster.
- November 29, 2007. Acoustical Society of America, 154th Meeting (New Orleans, LA). "Why do children attend to global structure in speech signals?" With Susan Nittrouer. Poster.
- January 5, 2007. Linguistics Society of America, Annual Meeting (Anaheim, CA). "Fricative development in English-learning children". With Susan Nittrouer. Poster.
- June 8, 2006. Acoustical Society of America, 151st Meeting (Providence, RI). "Fricative development in English-learning children". With Susan Nittrouer. Poster.
- January 7, 2005. Linguistics Society of America, Annual Meeting (Oakland, CA). "VOT development in English-learning infants." With Susan Nittrouer. Poster.
- May 25, 2004. Acoustical Society of America, 147th Meeting (New York, NY). "The acquisition of voice onset time in English-learning infants." With Susan Nittrouer. Poster.
- August 9, 2003. International Congress of Phonetic Sciences (Barcelona, Spain). "Acoustic analysis of the speech of adults with cochlear implants." Poster.
- April 18, 2003. Popular Culture Association and American Culture Association Annual Meeting (New Orleans, LA). "*Sound and Fury: A balanced documentary?*"
- January 3, 2003. Linguistics Society of America, Annual Meeting (Atlanta, GA). "Acoustic analysis of the speech of adults with cochlear implants." Poster.
- March 16, 2002. Popular Culture Association and American Culture Association Annual Meeting (Toronto, Canada). "Cochlear Implants on U.S. Television."
- January 4, 2002. Linguistics Society of America, Annual Meeting (San Francisco, CA). "Acoustic analysis of the speech of adults with cochlear implants: A case study." Poster.
- June 8, 2001. Acoustical Society of America, 141st Meeting (Chicago, IL). "Acoustic analysis of the speech of adults with cochlear implants: a case study." Poster.
- April 23, 2001. Information Technologies workshop, University of Chicago (Chicago, IL). "Cochlear implants in the U.S. Popular Media: from *ER* to *Gideon's Crossing*."



- March 23, 2001. New Frontiers in the Amelioration of Hearing Loss (St. Louis, MO). "Acoustic analysis of the speech of adults with cochlear implants: A case study." Poster.
- August 18, 2000. International Clinical Phonetics and Linguistics Association (Edinburgh, Scotland) "Acoustic analysis of the speech of adults with the Nucleus cochlear implant." Poster.
- February 18, 2000. Sawyer Seminar: Computer Science as Human Science, University of Chicago (Chicago, IL). "Cochlear Implants in the US Popular Media: *ER* and *Guiding Light*, 1998-1999."
- October 13, 1998. Acoustical Society of America, 136th Meeting (Norfolk, VA). "Perception of stops in naturally produced V[l/r][b/d/g]V tokens: a reassessment of acoustic cues to place of articulation." With Jeannette M. Denton, Yukari Hirata, Candace V. Perez, and Karen L. Landahl. Poster.
- April 19, 1997. 33rd Annual Meeting of the Chicago Linguistics Society (Chicago, IL). "Questioning the Continuum: The Use of V[r/l][d/g]V Evidence in Gestural Theories of Speech Perception." With Rachel Hemphill, Yukari Hirata, Karen Landahl, and Audra Dainora.
- December 4, 1996. Third Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan (Honolulu, HI). "The supraformant hypothesis for vowels: Evidence from Norwegian." With Karen L. Landahl, Michael S. Ziolkowski, and Peter D. Viechnicki. Poster.
- December 2, 1996. Third Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan (Honolulu, HI). "Effects of context and speaking rate on liquid-stop sequences: A reassessment of traditional acoustic cues." With Audra Dainora, Rachel Hemphill, Yukari Hirata, Kenneth Olson, and Karen Landahl.
- April 11, 1996. 32nd Annual Meeting of the Chicago Linguistics Society (Chicago, IL). "The Acoustic Structure of Norwegian and the Supraformant Hypothesis". With Michael Ziolkowski, Peter Viechnicki, and Karen Landahl.
- November 30, 1995. Acoustical Society of America, 130th Meeting (St. Louis, MO). "An analysis of Norwegian vowels: What determines the topography of a vowel space?" With Michael S. Ziolkowski, Karen L. Landahl, Peter D. Viechnicki, and Richard E. McDorman. Poster.

## **Related Work Experience**

Acting Manager, Language Laboratories and Archives, University of Chicago, 2001-2003

Curriculum developer and computer manual author (with Karen Landahl), Phonetics course, University of Chicago, 1998-2000

Sound editor, Chicago Maya CD-ROM project, University of Chicago, 1996-2003

## Service

**Ad-Hoc Reviewer** for *Journal of the Acoustical Society of America*, *Journal of Child Language*, *Journal of Phonetics*, *Journal of Speech, Language, and Hearing Research*, *Journal of Otology*, and *Journal of Voice*.

**Coordinator**, Workshop on Computer Science as Human Science (Sawyer Seminar), University of Chicago, 1999-2000. Organized program for weekly meetings of faculty-student workshop.

**Co-coordinator**, Workshop on Theory and Data in Speech Research, University of Chicago, 1999-2000. Organized program for weekly meetings of faculty-student workshop.

**Participant**, Workshop on Information Technologies, University of Chicago, 2000-2001

**Participant**, Workshop on Theory and Data in Speech Research, University of Chicago, 1996-2000

## Research Interests

Speech of adults with cochlear implants; Acoustic analysis of infant speech; Language acquisition in children with cochlear implants and related ethical issues; Child language acquisition; Cochlear implant media coverage; Disability studies; Acoustic analysis of deaf and hearing impaired speech; Linguistics of American Sign Language.

## Languages studied

American Sign Language: Six quarters plus an intensive 2-week course at Gallaudet University (1997). Sanskrit: Three quarters. Bengali: Five semesters. French: High school plus three semesters at college level. High passed reading exam, winter 1999. German: High school plus one semester at college level. High passed reading exam, summer 1995.

## Professional associations

Acoustical Society of America  
Linguistics Society of America

## References

Susan Nittrouer, Department of Speech, Language, and Hearing Research, University of Florida  
Bill Darden, Department of Linguistics, University of Chicago (Emeritus)  
Sean Fulop, Department of Linguistics, California State University, Fresno  
Barbara Need, Tompkins Cortland Community College  
Karen Landahl (deceased), Department of Linguistics, University of Chicago