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Address Ear, Nose, and Throat Branch, Office of Device Evaluation,
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EDUCATION

Aug 2005-Dec 2006 Post-doctorate. Cochlear Implants and Psychophysics Lab, Dept. of Hearing and Speech Sciences, University of Maryland – College Park.

Aug 2001-Dec 2005 Ph.D. in Speech and Hearing Science. Dept. of Speech Pathology and Audiology, University of Iowa. (Dissertation Title: *Perception and Production of Speech Intonation in Pediatric Cochlear Implant Recipients and Children with Normal Hearing.*)

Aug 2001-Aug 2005 M.A. in Speech Pathology and Audiology. Dept. of Speech Pathology and Audiology, University of Iowa.

Aug 1996-Jun 1999 M.A. in Linguistics. Graduate Institute of Linguistics, National Taiwan University. (Thesis Title: *Chinese Bilingual Children's Word Learning Strategies.*)

Sep 1992-Jun 1996 B.A. Dept. of Foreign Languages and Literature, National Cheng Kung University.

EMPLOYMENT HISTORY

Nov 2006-present Scientific Reviewer in Audiology. Ear, Nose, and Throat Branch, Office of Device Evaluation, US Food and Drug Administration.
Reviewing clinical studies (proposals and reports) for cochlear implants and other implantable devices from audiological viewpoints.

Dec 2006-present Affiliate Research Scientist. Cochlear Implants and Psychophysics Lab, Dept. of Hearing and Speech Sciences, University of Maryland – College Park.
Conducting own and collaborative research projects on speech perception and psychophysics with cochlear implant users; co-advising AuD student research projects.

Aug 2005-Dec 2006 Post-doctorate Research Associate. Cochlear Implants and Psychophysics Lab, Dept. of Hearing and Speech Sciences, University of Maryland – College Park.

Jul 1999-Jun 2001 Speech Pathologist. Dept. of Otolaryngology, Chi-Mei Medical Center.

TEACHING EXPERIENCE

Instructor & Guest Lectures

Fall 2006 Instructor: *Introduction to Linguistics* (undergraduate level, 44 students enrolled).

Fall 2005 Guest Lecture: *Speech Perception* (12-06-05).

Fall 2004 Guest Lecture: *Morphosyntactic Development in Children* (10-07-04).

Teaching Assistant

- Fall 2004 *Language Development.*
Spring 2004 *Basic Acoustics for Speech and Hearing Science.*
Fall 2003 *Hearing Science.*
Spring 2002, 2003 *Psychology of Language.*

CLINICAL EXPERIENCE

- Aug 2005-Oct 2006 Clinical Fellow (CF) in Audiology at the Speech and Hearing Clinic, University of Maryland at College Park.
Aug 2004-Jul 2005 Internship at Dept. of Otolaryngology, University of Iowa Hospitals and Clinics.
Aug 2004-Jul 2005 Internship at Wendell Johnson Speech and Hearing Clinic, University of Iowa.

RESEARCH EXPERIENCE

- Aug 2005-Jun 2005 Research Assistant: Electrophysiological studies on cochlear implant recipients (Supervisor: Dr. Carolyn Brown).
Aug 2001-Dec 2004 Research Assistant: Iowa Children's Cochlear Implant Project (Supervisor: Dr. Bruce Tomblin).
Jun 2004-Aug 2004 Research Assistant: Infant vocalization in children with cochlear implants and children with normal hearing (Supervisor: Dr. Sandie Bass-Ringdahl).
Jun 2003-Aug 2003 Research Assistant: Prevalence of hearing impairment in a rural Midwestern cohort: Estimates from the Keokuk County Rural Health Study, 1994-1998 (Supervisor: Dr. Greg Flamme).
Research Assistant. Graduate Institute of Linguistics, National Taiwan University.
Aug 1997-Jun 1998 Project title – Three- to four-years old children's perception and production of Mandarin consonants.
Aug 1996-Jul 1997 Project title – The role of syntactic information in learning new verbs.

PUBLICATIONS: PEER-REVIEWED ARTICLES

- Peng, S., & Chatterjee, M. (In preparation). Integration of acoustic information in speech intonation recognition by adult cochlear implant users. *Journal of Acoustic Society of America.*
Peng, S. (In preparation). Acoustic characteristics of speech intonation in pediatric cochlear implant recipients. *Journal of Acoustic Society of America.*
Chatterjee, M., & Peng, S. (Invited resubmission). Processing fundamental frequency contrasts with cochlear implants: psychophysics and speech intonation. *Hearing Research.*
Tomblin, J. B., Peng, S., & Spencer, L. J. (Accepted). Long-term Trajectories of the Development of Speech Sound Production in Pediatric Cochlear Implant Recipients. *Journal of Speech, Language, and Hearing Research.*
Peng, S., Tomblin, J. B. & Turner, C. W. (In press). Relationships between production and perception of speech intonation in pediatric cochlear implant recipients and individuals with normal hearing. *Ear and Hearing.*
Lin, Y. -S., & Peng, S. (In press). The effects of frequency allocation on lexical tone identification by Mandarin-speaking children with a cochlear implant. *Acta Otolaryngologica.*
Peng, S., Tomblin, J. B., Spencer, L. J., & Hurtig, R. R. (2007). Imitative production of rising speech

- intonation in pediatric cochlear implant recipients. *Journal of Speech, Language, and Hearing Research*, 50, 1210-1227.
- Lin, Y. -S., Lee, F. -P, Huang, I. -S., & Peng, S. (2007). Continuous improvement in Mandarin lexical tone perception as the number of channels increased: A simulation study of cochlear implant. *Acta Otolaryngologica*, 127, 505-514.
- Lin, Y. -S., Lee, F. P., & Peng, S. (2006). Complications in children with long-term cochlear implants. *Journal for Oto-rhino-laryngology and Its Related Specialties (ORL)*, 68, 237-242.
- Flamme, G. A., Mudipalli, R., Reynolds, S., Kelly, K., Stromquist, A., Zwerling, C., Burmeister, L., Peng, S., & Merchant, J. (2005). Prevalence of hearing impairment in a rural Midwestern cohort: Estimates from the Keokuk County Rural Health Study, 1994-1998. *Ear and Hearing*, 26, 350-360.
- Peng, S., Spencer, L. J., & Tomblin, J. B. (2004). Speech intelligibility of pediatric cochlear implant recipients with seven years of device experience. *Journal of Speech, Language, and Hearing Research*, 47, 1227-1236.
- Peng, S. & Tomblin, J. B., Cheung, C., Lin, Y. -S., & Wang, L. (2004). Perception and production of Mandarin tones in prelingually deaf children with cochlear implants. *Ear and Hearing*, 25, 251-264.
- Peng, S., Weiss, A. L., Cheung, H., Lin, Y. -S. (2004). Consonant production and language skills in Mandarin-speaking children with cochlear implants. *Archives of Otolaryngology – Head and Neck Surgery*, 130, 592-597.
- Lin, Y. -S., & Peng, S. (2003). Acquisition profiles of syllable-initial consonants in Mandarin-speaking children with cochlear implants. *Acta Otolaryngologica*, 123, 1046-1053.
- Lin, Y. -S., Huang, P., & Peng, S. (2000). The influence of vocal training on voice stability. *Journal of Taiwan Otolaryngological Society*, 35, 248-254.
- Cheung, H., & Peng, S. (2000). Bilingual types and word learning strategies. *Chinese Studies*, 18, 425-442.

PUBLICATIONS: PROCEEDING ARTICLES

- Peng, S., Tomblin, J. B., Spencer, L. J., Hurtig, R. R. (2004). Acquisition of rising intonation in pediatric cochlear implant recipients – a longitudinal study. *International Congress Series*, 1273, 336-339.
- Peng, S. (1999). Chinese bilingual children's word learning strategies and their sensitivities to different language inputs. *National Taiwan University Working Papers in Linguistics*, 2, 31-65.

CONFERENCE PRESENTATIONS

- Peng, S., & Chatterjee, M. (2007). Speech intonation recognition with conflicting and cooperating cues: acoustic vs. electric hearing. Poster presented at the Conference on Implantable Auditory Prostheses. Lake Tahoe, CA, July 15-20.
- Peng, S. (2007). Perceptual cue weighting by cochlear implant listeners who wear a hearing aid in the non-implanted ear. Poster presented at the 30th MidWinter Meeting of the Association for Research in Otolaryngology. Denver, CL, February 11-15.
- Chatterjee, M., & Peng, S. (2007). Processing fundamental frequency contrasts with cochlear implants: psychophysics and speech Intonation. Poster presented at the 30th MidWinter Meeting of the Association for Research in Otolaryngology. Denver, CL, February 11-15.
- Peng, S. (2006). Utilization of acoustic cues in identifying speech intonation contrasts in cochlear implant recipients and listeners with normal hearing. Poster presented at the 152st Meeting of the Acoustical Society of America, Honolulu, HI, November 28-December 2.
- Chatterjee, M., & Peng, S. (2006). Listening in the valleys with cochlear implants: speech perception vs.

- psychophysics. Poster presented at the 151st Meeting of the Acoustical Society of America, Providence, RI, June 5-9.
- Peng, S., Tomblin, J. B., & Spencer, L. J. (2006). Use of prosodic components of speech in pediatric cochlear implant recipients' utterances. Poster presented at the 29th MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD, February 5-9.
- Peng, S., Turner, C., & Tomblin, J. B. (2005). Perception of question-statement contrasts using suprasegmental information in prelingually deafened children with a cochlear implant. Poster presented at the Conference on Implantable Auditory Prostheses. Asilomar, CA, July 31-August 4.
- Peng, S., Turner, C., & Tomblin, J. B. (2005). Perception of speech intonation in pediatric cochlear implant recipients. Poster presented at the American Auditory Society Annual Meeting. Scottsdale, AZ, March 20-22.
- Peng, S., & Tomblin, J. B. (2004). Acquisition of rising intonation contours in pediatric cochlear implant recipients. Paper presented at the ASHA Convention. Philadelphia, PA, November 18-20.
- Peng, S., Tomblin, J. B., Spencer, L. J., Hurtig, R. R. (2004). Acquisition of rising intonation in pediatric cochlear implant recipients – a longitudinal study. Paper presented at the 8th International Cochlear Implant Conference. Indianapolis, IN, May 11-13.
- Peng, S., Spencer, L. J., & Tomblin, J. B. (2003) Speech intelligibility of prelingually deaf children after 84 months of CI experience. Paper presented at the 9th Symposium on Cochlear Implants in Children. Washington D.C., April, 24-26.
- Peng, S., Weiss, A. L., Cheung, H., Lin, Y. -S. (2003). The phonemic inventories of syllable-initial consonants in Mandarin-speaking children with cochlear implants. Poster presented at the 9th Symposium on Cochlear Implants in Children. Washington D.C., April, 24-26.
- Peng, S. & Tomblin, J. B. (2002). Tone production and perception in Mandarin-speaking children with cochlear implants. Poster presented at the 7th International Cochlear Implant Conference. Manchester, England, September 4-6.
- Peng, S., Weiss, A. L., Cheung, H. (2002). The phonemic inventory of syllable-initial consonants in Mandarin-speaking children with cochlear implants: A preliminary study. Poster presented at the 7th International Cochlear Implant Conference. Manchester, England, September 4-6.
- Lin, Y. -S., Peng, S., & Cheung, H. (2001). The production and perception of syllable-initial consonants in Mandarin-speaking children with cochlear implants. Poster presented at the 22nd Symposium on Research in Child Language Disorders. Madison, WI, June 7-9.
- Peng, S. (2001). Cochlear-implanted children's production and perception of consonants in Mandarin. Paper presented at the 7th Symposium on Audiology and Speech-Language Research. National Taiwan University Hospital.
- Peng, S. (1999). The influence of vocal training on voice quality. Paper presented at 6th Symposium on Audiology and Speech-Language Research. National Taiwan University Hospital.
- Peng, S. (1999). Chinese bilingual children's word learning strategies and their sensitivities to different language inputs. Paper presented at 2nd Symposium on Bilingualism, University of Newcastle upon Tyne, England.
- Peng, S., & Cheung, H. (1998). Revising Peabody Picture Vocabulary Test in Taiwanese: Problems confronted. Paper presented at 5th Symposium on Audiology and Speech-Language Research. National Taiwan University Hospital.

INVITED TALK

Apr 7, 2006 *Perception and Production of Speech Intonation in Pediatric Cochlear Implant Recipients.*
House Ear Institute.

AD HOC REVIEWER

The Journal of Speech, Language and Hearing Research (2006, 2007)

The Journal of the Acoustical Society of America (2007)

AWARDS AND HONORS

2007 MidWinter Meeting Travel Award, Association for Research in Otolaryngology (ARO).

2006 C-CEBH Travel Award (University of Maryland) to the Acoustic Society of America Meeting.

2006 Deafness Research Foundation (DRF) Fellowship, 3rd Clinical Research Conference.

2005 Student Scholarship, Conference on Implantable Auditory Prostheses (CIAP).

2005 Mentored Doctoral Student Research Award, National Institute of Health (NIH) and American Auditory Society (AAS).

2004 Research Travel Award for exceptional “student-authored” paper, ASHA.

2002, 2003, & 2004. Travel Grant, Dept. of Speech Pathology and Audiology, University of Iowa.

2001-2005 Graduate Assistantship, Dept. of Speech Pathology and Audiology, University of Iowa.

1999 Academic Scholarship, Chiang Cing Kuo Foundation.

SOCIETY AFFILIATIONS

Member, Association for Research in Otolaryngology (ARO)

Member, Acoustic Society of America (ASA)

Member, American Speech-Language-Hearing Association (ASHA)

REFERENCES

Monita Chatterjee, Ph.D.

Assistant Professor, Dept. of Hearing and Speech Sciences, University of Maryland

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Carolyn J. Brown, Ph.D.

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Phone: (319)335-8734; Email: carolyn-brown@uiowa.edu; 127-A WJSHC, Iowa City, IA 52242