

Kyoko Nagao, Ph.D.

Last updated on May, 2017

Center for Pediatric Auditory and Speech Sciences
Nemours Biomedical Research
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Professional Experience

- 2010-Present Nemours / Alfred I. duPont Hospital for Children
Center for Pediatric Auditory & Speech Sciences
Assistant Research Scientist, Auditory Physiology & Psychoacoustics Research Laboratory
- Investigating the auditory efferent and afferent functioning in children with Auditory Processing Disorders
 - Development of aural (re)habilitation software for infants and toddlers with severe to profound hearing loss, including children with cochlear implants
 - Investigating effects of medication on auditory function in children with ADHD
 - Supervising undergraduate and graduate student assistants
- 2007-2010 Nemours / Alfred I. duPont Hospital for Children
Center for Pediatric Auditory & Speech Sciences
Postdoctoral Fellow, Speech Research Laboratory
- Development and evaluation of a text-to-speech synthesis program
 - Longitudinal study of speech development in young children with cochlear implants
- 2008-Present University of Delaware, Department of Linguistics and Cognitive Science
Adjunct Assistant Professor
- 2006-2007 Indiana University, Department of Speech & Hearing Sciences
Postdoctoral Researcher, Voice Physiology Laboratory
- 2000-2006 Indiana University, Department of Linguistics
Graduate Research Assistant
- 2000 NTT Basic Research Laboratories, Atsugi, Japan
Research trainee
- 2000 Advanced Telecommunications Research Institute, Kyoto, Japan
Research assistant
- 1995-1997 Konan University, Kobe Japan
Research assistant

Education

- Ph.D. **Indiana University**, Bloomington, IN, USA September 30, 2006
(Major: Linguistics)
(Major: Speech and Hearing Sciences)
- M.A. **Indiana University**, Bloomington, IN, USA, 1999
(Major: Linguistics)
- M.A. **Konan University**, Kobe, Japan, 1997
(Major: English (Linguistics))
- Stanford University**, Stanford, CA, USA, Summer, 1994
A summer program on Sociology and Sociolinguistics
- B.A. **Kwansei Gakuin University**, Nishinomiya, Japan, 1995
(Major: Literature)

Awards and Fellowships

- 2017 Nemours Summer Research Scholar Program (as mentor)
- 2016 First Place Scientific Poster award, Society for Ear Nose and Throat Advances in Children (SENTAC), 2016 annual meeting
- 2016 NIH COBRE Pilot Grant (4/8/2016-4/7/2017)
- 2014 SENTAC Travel Grant
- 2013 Nemours Summer Research Scholar Program (as mentor)
- 2010 Merit Award at the Conference on Women & Children's Health Research
- 2006 Indiana University Women in Science Program Travel Grant
- 2005 Indiana University Doctoral Student Grant-in-Aid of Research Award
- 2005 Indiana University Speech & Hearing Sciences Departmental Research Support Award
- 2001, 2005 Fred W. Householder Memorial Awards
- 2005 International and Interdisciplinary Research Conference on Aging and Speech Communication student scholarship
- 2005 Indiana University Linguistic Club Travel Grant
- 2004 Indiana University Graduate & Professional Student Organization Research Award
- 1994-1995 Konan University Fellowship, Konan University
- 1991-1992 Kwansei Gakuin University Fellowship, Kwansei Gakuin University

Refereed Publications

**Mentored students are underlined.*

Morlet, T., **Nagao, K.**, Greenwood, L. A., Cardinale, R.M., Gaffney, R.G., & Riegner, T. (under revision) Auditory Event-Related Potentials and Function of the Medial Olivocochlear Efferent System in Children with APD. Submitted to *Ear and Hearing*.

- de Jong, K., & **Nagao, K.** (in preparation). Production effects in light of perceptual evaluation: Tempo effects for phonologization. *Laboratory Phonology*.
- Nagao, K.**, Riegner, T., Padilla, J., Greenwood, L. A., Loson, J., Zavala, S., & Morlet, T. (2016). Prevalence of Auditory Processing Disorder in school-aged children in the Mid-Atlantic region. *Journal of the American Academy of Audiology*, 27(9), 691-700. doi: <http://dx.doi.org/10.3766/jaaa.15020>
- Yasuda, E., Suzuki, Y., Shimada, T., Sawamoto, K., Mackenzie, W.G., Theroux, M.C., Pizarro, C., Xie, L., Miller, F., Rahman, T., Kecskemethy, H.H., **Nagao, K.**, Morlet, T., Shaffer, T.H., Chinen, Y., Yabe, H., Tanaka, A., Shintaku, H., Orii, K.E., Orii, K.O., Mason, R.W., Montaña, A.M., Fukao, T., Orii, T., Tomatsu, S. (2016) Activity of daily living for Morquio A syndrome. *Molecular Genetics and Metabolism*, 118(2), 111-122.
- Nagao, K.**, Paullin, M., Livinsky, V., Polikoff, J.B., Vallino, L.D., Morlet, T.G., Schanen, N.C., & Bunnell, H.T. (2012). Speech Production-Perception Relationships in Children with Speech Delay. *INTERSPEECH-2012*, 1127-1130.
- Nagao, K.**, Paullin, M., Polikoff, J.B., Lilley, J., & Bunnell, H.T. (2012). Perception of Synthetic Speech in Adult Users of Cochlear Implants. *INTERSPEECH-2012*, 1456-1459.
- Nagao, K.**, & de Jong, K. (2007). Perceptual rate normalization in naturally produced stops. *Journal of the Acoustical Society of America*, 121(5), 2882-2899.
- de Jong, K. J., Lim, B. J., & **Nagao, K.** (2004). The Perception of Syllable Affiliation of Singleton Stops in Repetitive Speech. *Language and Speech*, 47(3), 241-266.

Other Publications

- DeVore, B., **Nagao, K.**, Pereira, O., Deeves, E., Welsh, K., Kish, E., Sklar, R., Nemith, J., Morlet, T. (Accepted). Speech errors among children with auditory processing disorder. *Proceedings of Meetings on Acoustics*, 29.
- Padilla, J., Morlet, T., **Nagao, K.**, Crum, R., Greenwood, L. A., Loson, J., & Zavala, S. (2016). *Speech perception capabilities in children a few years after initial diagnosis of auditory processing disorders. Proceedings of Meetings on Acoustics*, 25(1), 060002. doi: [doi:http://dx.doi.org/10.1121/2.0000169](http://dx.doi.org/10.1121/2.0000169)
- Nagao, K.** (2014). ASA Inspired Future Acoustic Scientists and Engineers in DC. *Acoustics Today* 10(2), p. 63.
- Zwissler, K., **Nagao, K.**, Greenwood, L.A., Gaffney, R.G., Cardinale, R. M., Morlet, T. (2014). Ear effect and gender difference of spontaneous otoacoustic emissions in children with Auditory Processing Disorder. *Proceedings of Meetings on Acoustics*, 21(1), 050004. doi: 10.1121/1.4891623
- Nagao, K.** (2011). Speech Perception of Age. *Phonological Studies*, 14, 109-118.
- Yarrington, D., Gray, J., Pennington, C., Bunnell, H. T., Cornaglia, A., Lilley, J., **Nagao, K.**, & Polikoff, J. B. (2008). ModelTalker Voice Recorder – An Interface System for Recorded a Corpus of Speech for Synthesis. *Proceedings of the ACL-08: HLT Demo Session*, pp. 28-31.
- Nagao, K.** (2006). *Cross-language study of age perception*. Unpublished doctoral dissertation, Indiana University, Bloomington.
- Nagao, K.**, Lim, B. J., & de Jong, K. (2003). Perception of rate induced resyllabification: Cross-language comparison. In D. Burleson, C. Dillon & R. Port (Eds.), *Speech Prosody and Timing, Dynamic Aspects of Speech: Indiana University Working Papers in Linguistics* (Vol. 4, pp. 33-43). Bloomington: IULC Publications.
- Lim, B. J., de Jong, K., & **Nagao, K.** (2003). The perception of rate-induced resyllabification in English: Native English listeners. In D. Burleson, C. Dillon & R. Port (Eds.), *Speech Prosody and Timing, Dynamic Aspects of Speech: Indiana University Working Papers in Linguistics* (Vol. 4, pp. 25-32). Bloomington, IN: IULC Publications.
- Nagao, K.**, Lim, B. J., & de Jong, K. (2003). Perceptual acquisitions of non-native syllable structures by native listeners of Japanese. In M. J. Sole, D. Recasens & J. Romero (Eds.), *Proceedings of the 15th International Congress of Phonetic Sciences, Barcelona, Spain*, pp. 1565-1568.

- de Jong, K., **Nagao, K.**, & Lim, B. J. (2001) "The interaction of syllabification and voicing perception in American English" In T. A. Hall, B. Pompino-Marschall & M. Rochon (Eds.), *ZAS papers in linguistics* (ed., Vol. 28, pp. 27-38). Berlin: Zentrum fur Allgemeine Sprachwissenschaft.
- Lim, B. J., de Jong, K., & **Nagao, K.** (2001), "Cross-language perception of syllable affiliation: effects of voicing and language background", *Berkley Linguistics Society* 27, 157-167.
- Erickson D., Tajima, K., & **Nagao, K.** (2000) "Phonetic analysis of vowel epenthesis in native Japanese speakers' production of English words", *Bulletin of Gifu City Women's College No.50*. pp.73-78., originally presented as Tajima, Keiichi, Donna Erickson, **Nagao, K.** (2000) "Phonetic analysis of vowel epenthesis in native Japanese speakers' production of English words" at the Fourteenth General Meeting of the Phonetic Society of Japan.
- Nagao, K.**, and Amano, S. (2000) "Hatsuwa niokeru Kyochohyogen no Chikaku.(Perception of words produced with emphasis)", *Nihon Onkyo Gakkai Chokaku Kenkyukai Shiryo, H-2000-65*.
- Nagao, K.** (1999) "Shooten-no kihonshuuhasuuhenka ni kansuru danjosa nitsuite: Nihongo ni okeru ichikenkyuu (Gender differences in fundamental frequency in focused words)", *Nihon Onkyo Gakkai Chokaku Kenkyukai Shiryo, H-99-86*.

Invited talk

- Nagao, K.** (2015). *Hearing*. Invited talk at the 3rd Annual Morquio Conference, Wilmington DE, on July 18, 2015.
- Nagao, K.** (2010). *Cross-language study of age perception*. Invited talk at 2010 Spring Meeting of the Phonological Society of Japan, Tokyo, Japan, on June 18, 2010
- Nagao, K.** (2010). *Fourier Synthesis*. Invited talk at the 159th Meeting of the Acoustical Society of America, Baltimore, Maryland, on April 21, 2010.
- Nagao, K.** (2009). *How old do you think I am?: The effects of language, sex, stereotype, and accent on age estimation*. Invited talk at the Linguistics Colloquium, University of Delaware.

Presentations

- Nagao, K.** (2017). *Auditory processing disorder in children: Neurophysiology, speech, and beyond*. Presentation at the "Spotlight on Nemours" Nemours Lectures on Pediatric Research, Wilmington, DE, on March 13, 2017.
- Nemith, J., Morlet, T., Pereira, O., Scharf, S., & **Nagao, K.** (2017). *Evaluation of mobile automated audiometry in children*. Paper presented at the DE-CTR ACCEL 4th Annual Meeting, Wilmington, DE, on March 6, 2017
- Pereira, O., Hestvik, A., Morlet, T., Han, C., Scharf, S., Sklar, R., Nemith, J., DeVore, B., & **Nagao, K.** (2017). *Using the mismatch negativity paradigm to explore the deficits in children with auditory processing disorder*. Paper presented at the DE-CTR ACCEL 4th Annual Meeting, Wilmington, DE, on March 6, 2017
- Sklar, R., Morlet, T., DeVore, B., Nemith, J., & **Nagao, K.** (2017). *Are speech and language delays a common comorbidity in children with auditory processing disorder?* Paper presented at the DE-CTR ACCEL 4th Annual Meeting, Wilmington, DE, on March 6, 2017
- Johnson, N., Morlet, T., Sklar, R., Grinstead, L., Nemith, J., & **Nagao, K.** (2017). *Middle ear muscle reflex in children with Auditory Processing and/or Attention-Deficit/Hyperactivity Disorders*. Submitted to the 173rd Meeting of the Acoustical Society of America and the 8th Forum Acusticum, Boston, MA on June 28, 2017.
- DeVore, B., **Nagao, K.**, Pereira, O., Deeves, E., Welsh, K., Kish, E., Sklar R., Nemith J., & Morlet T. (2016). *Patterns in speech errors among children with auditory processing disorder*. Paper presented at the 5th

Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan. *Acoust. Soc. Am.* 140, 3440. <http://dx.doi.org/10.1121/1.4971091>

- Nagao, K., Nemith, J., Padilla, J.,** Haley, B., Tomatsu, S., & Morlet, T. (2016). *Hearing characteristics in patients with mucopolysaccharidosis IV*. Paper presented at the SENTAC 2016, Orlando, FL on December 2, 2016.
- de Jong, K. and **Nagao, K.** (2016) Production effects in light of perceptual evaluation: Tempo effects for phonologization. Paper presented at the LabPhon15 at Cornell University, Ithaca, NY.
- Nagao, K.,** Riegner, T., Padilla, J., Loson, J., Zavala, S., DeVore, B., & Morlet, T. (2016). *Prevalence and demographic characteristics of auditory processing disorder in school-aged children in the Mid-Atlantic region*. Paper presented at the Delaware IDeAs 2016, Newark, DE on February 25, 2016.
- Crum, R., Padilla, J., Morlet, T., Greenwood, L. A., Loson, J., Zavala, S., & **Nagao, K.** (2015). *Speech perception capabilities in children several years after initial diagnosis of auditory processing disorders*. Paper presented at the 170th Meeting of the Acoustical Society of America, Jacksonville, FL.
- Nagao, K.,** Greenwood, L. A., Grinstead, L., Reader, S. K., & Morlet, T. (2014). *Middle ear muscle reflex in children with Attention Deficit Hyperactivity Disorders*. Poster presented at the Nemours Community Research Exchange, Wilmington DE on May 19, 2015.
- Nagao, K.,** Riegner, T., Greenwood, L. A., Sheth, R.C., Loson, J., Zavala, S., & Morlet, T. (2014). *Demographic characteristics and prevalence of auditory processing disorder*. Paper presented at the SENTAC 2014, St. Louis, MO on December 5, 2014.
- Nagao, K.,** Greenwood, L. A., Sheth, R.C., Gaffney, R.G., Cardinale, R.M., & Morlet, T. (2014). *Baseline neurophysiological noise levels in children with auditory processing disorder*. Paper presented at the 168th meeting of the Acoustical Society of America, Indianapolis, IN, on October 31, 2014.
- Nagao, K.** (2014) *Hearing and stimulant medication effects in children with ADHD*. Presentation at the "Spotlight on Nemours" Translational Science Research Seminar, Wilmington, DE on October 6, 2014.
- Zwissler, K., Nagao, K., Greenwood, L.A., Gaffney, R.G., Cardinale, R.M., Morlet, T. (2014). *Ear effect and gender difference of spontaneous otoacoustic emissions in children with Auditory Processing Disorder*. Paper presented at the 167th meeting of the Acoustical Society of America, Providence, Rhode Island, on May 5, 2014.
- Ratnagiri, M., **Nagao, K.,** Krieger, S., Vallino, L., Bunnell, H.T. (2014). *Machine classification versus human judgment of misarticulated pediatric speech*. Paper presented at the 167th meeting of the Acoustical Society of America, Providence, Rhode Island, on May 5, 2014.
- Nagao, K.,** Greenwood, L. A., Grinstead, L., Reader, S. K., & Morlet, T. (2014). *Middle ear muscle reflex (MEMR) in children with unmedicated ADHD*. Paper presented at the American Auditory Society's 41st Annual Scientific & Technology Conference, Scottsdale, AZ, on March 6-8, 2014.
- Morlet T., **Nagao K.,** Greenwood L.A., Mora, S., Koletty, S., & Hobson, G. (2014). *Cortical auditory evoked potentials in Pelizaeus-Merzbacher disease*. Paper presented at the American Auditory Society's 41st Annual Scientific & Technology Conference, Scottsdale, AZ, on March 6-8, 2014.
- Silbert, N., de Jong, K., Lim, B.J., & **Nagao, K.** (2013). *Effects of native language and speech rate on perceptual and decisional processing of voicing and syllable affiliation in stops*. Paper presented at the 166th meeting of the Acoustical Society of America, San Francisco, CA, on December 6, 2013.
- de Jong, K., **Nagao, K.,** & Lim, B.J. (2013). *Dealing with Variation in Second Language Categories: How Japanese and Korean Listeners Cope with Extreme Speech Rate Variation in English Stop Categories*. Presented at the 32nd Annual Second Language Research Forum, Brigham Young University, Utah, on November 1, 2013.
- Paullin, M., **Nagao, K.,** & Bunnell, H.T. (2013). Relationship between articulation and mispronunciation detection in children with speech delay: Perception of unfamiliar speech vs. their own speech. *The Journal of the Acoustical Society of America*, 133(5), 3336. doi: 10.1121/1.4805612
- Nagao, K.,** Paullin, M., Polikoff, J.B., Greenwood, L.A., Stone, M.S., Hoehn-Powell, A., Mangiardi, A.J., & Bunnell, H.T. (2013). Development of an iPad application for Auditory-Verbal Therapy with pediatric

patients. Presented at the 5th Biannual Northeast Regional IDEa Conference, Wilmington DE, on August 15, 2013.

- Nagao, K., Cardinale, R.M., Greenwood, L.A., & Morlet, T.** (2012). Effects of noise on speech perception, event-related potentials and feedback control of the auditory periphery in children. Presented at the 16th International Symposium on Hearing, July 26, 2012, Cambridge, UK.
- Morlet, T., Greenwood, L.A., Cardinale, R.M., & **Nagao, K.** (2012). Cortical and Peripheral Components of the Auditory System in Children with Auditory Processing Disorders. Presented at the Delaware Health Sciences Alliance 4th Annual Research Symposium, Wilmington, Delaware, on May 11, 2012.
- Morlet, T., Greenwood, L.A., Cardinale, R.M., & **Nagao, K.** (2012). Efferent Control in Children with Auditory Processing Disorders. Presented at the 2012 American Auditory Society Meeting, March 8-10, 2012, Scottsdale, AZ.
- Nagao, K.**, Greenwood, L.A., & Morlet, T. (2010). Can auditory evoked potentials help us understand Auditory Processing Disorders (APD)? Paper presented at the Conference on Women & Children's Health Research, Newark, DE, on December 10, 2010.
- Nagao, K.**, Cornaglia, A., & Bunnell, H.T. (2010). Development of vowel production in young children with cochlear implants. Presented at the 159th Meeting of the Acoustical Society of America, Baltimore, MD, April 23, 2010.
- Rodrigues, P., & **Nagao, K.** (2010). Effects of listener experience with foreign accent on perceptions of accentedness and speaker age. Presented at the 159th Meeting of the Acoustical Society of America, Baltimore, MD, April 22, 2010.
- Nagao, K.**, Cornaglia, A., & Bunnell, H.T. (2010). Acoustic analysis of vocal development in young children with cochlear implants: A preliminary report. Presented in XVIIth Biennial International Conference on Infant Studies, Baltimore, Maryland, on March 12, 2010.
- Yarrington, D., Pennington, C., Bunnell, T., Gray, J., Lilley, J., **Nagao, K.**, & Polikoff, J. B. (2008). ModelTalker Voice Recorder (MTVR) - A System for Capturing Individual Voices for Synthetic Speech. Presented at the ISAAC 13th Biennial Conference, Montreal, Canada on August 7, 2008.
- Nagao, K.** & Riley, A. K. (2008). Cross-language study of age perception by elderly listeners. Presented at the Acoustics'08 in Paris, France on June 29 to July 4, 2008.
- Nagao, K.**, McCurdy, K. E., & Burnett, T. A. (2008). Age effects on reflexive and volitional voice F0 responses to pitch-shifted auditory feedback. Presented at the Acoustics'08 in Paris, France on June 29 to July 4, 2008.
- Nagao, K.** (2008). Language-specific vs. language-common perceptual cues for age identification. Presented at the Linguistic Variation Across the Lifespan symposium at the Ohio State University on May 2-3, 2008.
- Burnett, T., **Nagao, K.**, Bargatze, D. (2007). Continuous vs. sparse scanning paradigms for imaging vocalization-related BOLD activity. Presented at the 13th Annual Meeting of the Organization for Human Brain Mapping held in Chicago, IL. June 12, 2007.
- Brady, M. C., Port, R. F., & **Nagao, K.** (2006). Effects of speaking style on the regularity of mora timing in Japanese. Presented at the 4th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan on November 30 at Honolulu, Hawaii.
- Nagao, K.** (2006). Cross-language study of age stereotypes in speech perception. Presented at the NWAV35 on November 10 at Columbus, OH.
- Nagao, K.**, & de Jong, K. (2006). Cross-language study of age perception: A sociolinguistic perspective on talker's sex. Presented on January 7, 2006 at the 80th annual meeting of the Linguistic Society of America at Albuquerque, NM.
- Nagao, K.**, & Kewley-Port, D. (2005). The effect of language familiarity on age perception. Presented at the Research Conference on Aging and Speech Communication on October 9-12, 2005 at Indiana University.

- Nagao, K.**, de Jong, K., & Lim, B. J. (2005). Learning variation in a second language: A cross-language study of rate normalization. Presented at the 1st ASA Workshop on Second Language Speech Learning, Vancouver, Canada.
- Nagao, K.** (2005). Sociological effects on vocal aging: Age related *F0* effects in two languages. Presented at the 149th Meeting of the Acoustical Society of America, Vancouver, Canada.
- Nagao, K.**, & de Jong, K. (2003). Perceptual rate normalization in naturally produced bilabial stops. *Journal of the Acoustical Society of America*, Vol. 114 (4), p. 2338.
- Nagao, K.** (2003). "Japanese traditional clothes". Presented at the 2003 Teaching East Asian Literature in the High School Workshop on July 16, 2003.
- Nagao, K.**, Lim, B. J., and de Jong, K. (2002) "Perception of English resyllabification by monolingual Japanese listeners", *Journal of the Acoustical Society of America*, Vol. 111(5), p. 2477.
- de Jong, K., **Nagao, K.**, Lim, B. J., and Okamura, K. (2002) "Lexical and phonotactic effects on the perception of rate induced resyllabification", *Journal of the Acoustical Society of America*, Vol. 111(5), p. 2477.
- de Jong, K., Lim, B. J., and **Nagao, K.** (2001) "Phase transitions in a repetitive speech task as gestural recomposition", *Journal of the Acoustical Society of America*, Vol. 110 (5), p. 2657.
- Nagao, K.**, Lim, B. J., and de Jong, K. (2001) "Cross-language perception of rate induced resyllabification", *Journal of the Acoustical Society of America*, Vol. 109(5), p. 2474.
- de Jong, K., Lim, B. J., and **Nagao, K.** (2001) "The perception of rate induced resyllabification in English", *Journal of the Acoustical Society of America*, Vol. 109(5), p. 2311.
- Nagao, K.**, and Amano, S. (2000) "A role of fundamental frequencies in the perception of emphasized words", *Journal of the Acoustical Society of America*, Vol. 108(5), p. 2465.
- Nagao, K.** (1999), "Gender differences in fundamental frequency in focused words: A case from Japanese", *Journal of the Acoustical Society of America*, Vol. 106(4), p. 2154.
- Nagao, K.**, and McCall, B. (1999) "A perception-based account of mimetic palatalization in Japanese", presented at the Satellite Meeting of the International Congress of Phonetic Sciences, San Francisco, CA.
- McCall, B., and **Nagao, K.** (1999). "Aspects of Markedness in Japanese Mimetics", presented at the Kentucky Foreign Language Conference, 24 April, 1999, Lexington Kentucky.

Community Outreach

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|--------------|---|
| 2016-Present | Education Outreach Lead , Nemours Research Education Committee |
| 2016-2017 | Vice President of Public Relations , DESEAA Toastmasters Club |
| 2011-Present | Fundraising Committee Member , "Hear We Go" 5K Run/Walk and Family Fun Day |
| 2015-2016 | Exhibition Organizer , Acoustical Society of America exhibition at the 4 th USA Science & Engineering Festival in Washington DC |
| 2015 | Volunteer Coordinator , "Hear We Go" 5K Run/Walk and Family Fun Day |
| 2014 | Acoustic Demonstration Volunteer , Girl Scouts Night at the Meeting of the Acoustical Society of America |
| 2013-2014 | Exhibition Organizer , Acoustical Society of America exhibition at the 3 rd USA Science & Engineering Festival in Washington DC |
| 2014 | Guest speaker , Tatnall Biomedical Club at the Tatnall School in Wilmington, DE |
| 2003 | Guest speaker , Asian Culture Around Campus Indiana University |

1997-2004 **Volunteer speaker**, Global Speakers Services at Indiana University

Professional and Institutional Services

Committee Work

2013-Present **Vice-Chair**, Philadelphia Chapter of the Acoustical Society of America
2010-Present Women in Acoustics Committee, Acoustical Society of America
2014-Present Nemours Research Education Committee
2014-2015 Nemours Research Associate Satisfaction Committee

Editorial Work

2000-2002 **Associate editor**, *IULC Working Papers Online*

Reviewers

National Science Foundation; Language and Speech; Journal of Speech, Hearing, and Language Research; Speech Communication; PLOS ONE

Website Administration

2010-Present **Website Administrator**, Women in Acoustics Committee, Acoustical Society of America
2001-2004 **Webmaster**, *Indiana University Linguistics Speech Laboratory*

Teaching Experience

2006 **Indiana University, Department of Speech & Hearing Sciences**
Instructor

- Introduction to Phonetics for Speech and Hearing Sciences S111/S511 (76 students)
- Mathematics and Physics for Speech and Hearing S319/S519 (12 students)

2004 **Indiana University, Department of Linguistics**
Assistant instructor

- Teaching 3 laboratory sections of a graduate course *Introductory of Phonetics L541* (22 students)

2007 **University of Delaware, Department of Computer & Information Sciences**
Guest lecturer Advanced Topics in Artificial Intelligence: Talking Machines CISC 889
(Lecturer on “Introduction of Linguistics and Phonetics”)

2004 **Indiana University, Department of Speech & Hearing Sciences**
Guest lecturer Cognitive and Communicative Aspects of Aging S307 (Lecturer on “Cultural aspects of aging”)

- 2003 **Indiana University, Department of Speech & Hearing Sciences**
Guest lecturer Digital Signal Processing S522, Indiana University, Spring, 2003.
(Lecturers on “LPC and Klatt Synthesis” and “Cochlea implant processing”)
- 2003-2004 **Indiana University, Asian Culture Center Language Learning Program**
Volunteer Instructor Beginner and intermediate levels of Japanese
- 1995-1996 **YMCA, Kobe, Japan**
Lecturer of English

Advising

Nemours, Auditory Physiology & Psychoacoustics Research Laboratory

- Supinski, J. Summer undergraduate research scholar who will work on the project related with mobile audiometry
- Bullard, A. Recently hired undergraduate research assistant who will work on a project related with children with APD focusing on auditory mismatch negativity
- Pasko, L. Recently hired undergraduate research assistant who will work on a project related with children with APD focusing on auditory mismatch negativity
- Brown, M. Current undergraduate research assistant working on a project related with APD
- Hammond, M. Current undergraduate research assistant working on the project related with mobile audiometry
- Johnson, N. Current undergraduate research assistant who working on a project related with middle ear muscle reflexes in APD and ADHD. To present a poster as the lead author to the Boston meeting of Acoustical Society of America in 2017. To be a Master’s student in Speech, Language, & Hearing Sciences at Purdue University from Fall, 2017.
- Scharf, S. Current undergraduate research assistant working on the project related with children with APD focusing on auditory mismatch negativity. To be a doctoral student in Audiology at University of North Carolina from Fall, 2017.
- Kohut, K. Current undergraduate research assistant working on projects related with infants with hearing loss and children who had concussion. To be a Master’s student in Speech, Language, and Learning program at Northwestern University from Fall, 2017.
- Sklar, R. Current undergraduate research assistant working on projects related with auditory processing disorder and ADHD focused on comorbid developmental delays/disorders. Co-authored a poster presented at the Hawaii meeting of Acoustical Society of America in 2016. To be a Master’s student in Speech-Language Pathology at New York Medical College from Fall, 2017.
- Nemith, J. Current undergraduate research assistant working on projects related with auditory processing disorder and Morquio focused on otoacoustic emissions. Co-authored a poster presented at the SENTAC 2016 in Florida.
- DeVore, B. Current undergraduate research assistant working on projects related with auditory processing disorder and comorbid disorders. Co-authored a poster presented at the IDeAs Delaware 2016, and a poster on speech errors among children with APD as the first author at the Hawaii meeting of Acoustical Society of America in 2016.
- Ahmed, T. Former undergraduate research assistant working on projects related with auditory processing disorder and ADHD focused on middle ear function.

- Padilla, J. Former undergraduate research assistant. Worked on multiple projects on children with different disorders/diseases such as hearing impairments, ADHD, and skeletal dysplasia. Co-authored a paper published in the Journal of the American Academy of Audiology. Published a paper about longitudinal changes of speech perception abilities in children with auditory processing disorder as the first author. Currently working at Siemens.
- Sheth, R.C. Former undergraduate research assistant. Worked on auditory processing disorder project. Published papers related with demographic information and auditory evoked potential results of pediatric auditory processing disorder as co-author.
- Deeves, E. Former undergraduate research assistant. Worked on auditory neuropathy spectrum disorders project. Currently a graduate student at Department of Speech, Language and Hearing Sciences, University of Colorado from Fall, 2015.
- Welsh, K. Former undergraduate research assistant. Worked on otoacoustic emission analysis. Currently a Master's student at Department of Communication Sciences & Disorders, Montclair State University from Fall, 2015.
- Crum, R. Former undergraduate research assistant. Worked on auditory evoked potentials and behavioral and audiological data related with auditory processing disorders. Submitted a paper about the longitudinal results of speech perception performance in children with auditory processing disorders. Currently a Master's student in communication sciences and disorders at Jacksonville University from Fall, 2015.
- Kish, E. Former undergraduate research assistant. Worked on otoacoustic emission analysis in children with auditory processing disorder. Currently a Master's student in communication disorders at West Chester University from Fall, 2015.
- Gaffney, G.R. Former undergraduate research assistant. Currently a medical student at Rutgers Robert Wood Johnson Medical School. Published the results as co-author in multiple papers related with pediatric auditory processing disorder.
- Zwissler, K. Former undergraduate research assistant. Obtained the Master in Occupational Therapy at the Ohio State University in 2016. Published a paper about spontaneous otoacoustic emissions in children with auditory processing disorder as the first author.
- Grinstead, L. Former undergraduate research assistant (Summer Scholar in 2013). Currently a graduate student at Audiology program at Towson University, MD. Published the results related with auditory function in children with ADHD as co-author.
- Cardinale, R.M. Former undergraduate research assistant. Currently a D.O. student at College of Osteopathic Medicine, New York Institute of Technology. Published the results as co-author in multiple papers related with pediatric auditory processing disorder.

Nemours, Speech Research Laboratory

- Livinsky, V. Former graduate student. Currently a Ph.D. student at Speech-Language-Hearing Sciences, City University of New York. Published the results on speech perception in children with speech sound disorders as co-author.
- Krieger, S. Former student. Obtained a MA at the Department of Communication Disorders, West Chester University, PA. Published the results as co-author.
- Lubetzki, M. Former student. Worked on the project related with children with cochlear implants.
- Hyder, E. Former student. Worked on the project related with children with cochlear implants.
- Beattie, B.R. Former student. Worked on the project related with children with cochlear implants.
- Mandel, A.B. Former student. Worked on the project related with children with cochlear implants.
- Acca, J.A. Former student. Worked on the projects related with children with cochlear implants and speech synthesis.
- McDonnell, D. Former student. Worked on the project related with children with cochlear implants.

Indiana University

- Riley, A.K. Former student at Indiana University. Worked on the project related with speech perception. Published a paper as co-author.
- McCurdy, K. E. Former student at Voice Physiology Laboratory, Indiana University. Worked on the project related with auditory feedback and fMRI noise on voice production. Published a paper as co-author.

Languages

Japanese (Native)
English (Advanced)
French (Reading)
Chinese (Elementary)
Arabic (Tried)

Computer Skills

- *Programming Languages:* Matlab, C, AWK, R, HTML
- *Software:* Praat, Microsoft Word, Excel, PowerPoint, Publisher, Dreamweaver, SPSS, IgorPro, BrainVoyager, E-Prime, NetStation

Certifications, Training, and Professional Development

- 2015-Present Involved in Toastmasters International Advanced Communication and Leadership Program; Competent Communicator Award (2015), Competent Leader Award (2016), Humorous Speech Content DESEAA Club Winner (2015)
- 2015-2020 Certified Occupational Hearing Conservationist, Council for Accreditation in Occupational Hearing Conservation (CAOHC)
- 2012 Nemours Certified Project Professional
- 1997 Technical College Teacher Certificate in English, Issued by the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- 1995 Middle School Teacher Certificate in English, Issued by MEXT
- 1995 High School Teacher Certificate in English, Issued by MEXT