

Yonghee Oh, Ph.D.

Department of Otolaryngology, HNS and Communicative Disorders
 School of Medicine, University of Louisville
 500 S. Preston St., Suite 416
 Louisville, KY 40202

Phone: (502) 852-4430
 E-mail: yonghee.oh@louisville.edu

EDUCATION

Sep/09 – Dec/13	The Ohio State University Ph.D. in Speech and Hearing Science - Dissertation: An Enhanced Channel Model for Spectrotemporal Integration and Masker Phase Effects, Advisor: Dr. Lawrence L. Feth	Columbus, OH
Sep/07 – Jun/09	The Ohio State University M.S. in Electrical and Computer Engineering - Signal Estimation and Detection, Advisor: Dr. Ashok Krishnamurthy	Columbus, OH
Mar/98 – Feb/02	Korea Aerospace University B.S. in Electrical and Computer Engineering - Radar Signal Processing, Advisor: Dr. Young K. Kwag	Seoul, Korea

POSITIONS

Aug/22 – Present	- Assistant Professor , Department of Otolaryngology, HNS and Communicative Disorders, University of Louisville	Louisville, KY
Feb/22 – Present	- Affiliate Assistant Professor , Department of Aging and Geriatric Research, University of Florida	Gainesville, FL
Dec/14 – Present	- Research Associate (WOC) , National Center for Rehabilitative Auditory Research (NCRAR), VA Portland Health Care	Portland, OR
Nov/18 – July/22	- Assistant Professor , Department of Speech, Language, and Hearing Sciences, University of Florida	Gainesville, FL
Dec/14 – Oct/18	- Postdoctoral Research Fellow with Lina A. Reiss, Ph.D. Cochlear Implant and Hearing Aid Research Lab, Oregon Health & Science University - Research Associate with Timothy Hullar, M.D. Vestibular Psychophysics Lab, Oregon Health & Science University	Portland, OR
Dec/13 – Oct/14	- Postdoctoral Research Fellow with Lawrence L. Feth, Ph.D. <i>Psychoacoustics Lab, The Ohio State University</i>	Columbus, OH
Sep/09 – Dec/13	- Research Assistant Speech and Hearing Science, <i>The Ohio State University</i>	Columbus, OH

RESEARCH INTERESTS

- Computational Models of Binaural Auditory Signal Processing
- Cochlear Implant and Hearing Aid Signal Processing
- Psychoacoustics/Psychophysics
- Speech Perception and Recognition in noise
- Computational Models of Multisensory Integration
- Artificial Intelligence

HONORS & AWARDS

- Merit-Based Scholarship**
- Awarded by the Korea Science Foundation for undergraduate students (1999 – 2000)
- Awarded by Air Force for ROTC students (2001)
- Highest Honor Student Award (1999)

GRANTS

October/21 – August/22	<i>Contributions of auditory and somatosensory feedback to speech motor control in congenitally deaf 9-to-10-year-olds and adults,</i> Emerging Research Grant from the Hearing Health Foundation Role: Co-PI PI: Matthew Masapollo	\$50,000
June/21 - August/22	<i>Demystifying perceptual evaluations of parkinsonism sub-categorizations using machine learning,</i> 2021 Research Opportunity Seed Fund, Funded by University Florida Research Role: Co-PI PI: Karen Hegland	\$85,000
December/20 - June/23	<i>Effects of steady background noise on segregation of speech based on voice pitch differences in hearing impaired listeners,</i> 2020 New Century Scholars Research Grant, Funded by American Speech-Language-Hearing Foundation, Role: PI	\$50,000
October/20 - August/22	<i>Spectrotemporal Characterization of Misophonia Using Multimodal Brain Imaging,</i> Funded by Misophonia Research Fund, REAM Foundation, Role: Co-I PI: Andreas Keil	\$370,962
December/18 - November/23	<i>Temporal Synthesis of Vestibular and Extra-Vestibular Sensory Signals,</i> R01 Research Project Grant, Funded by National Institute of Health (NIDCD), Role: Consultant PI: Richard Lewis	\$3,177,572
March/17 - Oct/18	<i>Effects of temporal cues on binaural pitch fusion in hearing impaired listeners,</i> F32 Ruth L. Kirschstein National Research Service Award for Individual Postdoctoral Fellows, Funded by National Institute of Health (NIDCD), Role: PI Sponsors: Reiss, L. A. and Gallun, F.	\$120,156

PROFESSIONAL MEMBERSHIPS

2010 – Present	Associate member, <i>Acoustical Society of America</i>
2016 – Present	Associate member, <i>Association for Research in Otolaryngology</i>
2016 – Present	Full member, <i>Sigma Xi</i>
2017 – Present	Associate member, <i>Society for Neuroscience</i>
2019 – Present	Member, <i>American Speech-Language-Hearing Association</i>

Reviewer for journals: *Journal of Acoustical Society of America*
Trends in Hearing
Frontiers in Psychology
Frontiers in Neuroscience
PLoS ONE
Journal of Speech Language and Hearing Research
Ear and Hearing
Journal of Phonetics
Clinical Archives of Communication Disorder
International Journal of Audiology
American Journal of Audiology
Journal of American Academy of Audiology
Public Health Reports
Journal of Medical internet Research mHealth & uHealth
Scientific Reports
Perception
Hearing Research
IEEE Transactions on Neural Systems & Rehabilitation Engineering

PEER-REVIEWED PUBLICATIONS

Asterisk (*) indicates author is student working with Dr. Y. Oh

1. **Oh, Y.**, Friggle, P.*, Kinder, J.*, Tilbrook, G.*, and Bridges, S. E.* “Effects of presentation level on speech-on-speech masking by voice-gender difference and spatial separation between talkers”, (2023). *Front. Neurosci.* 17:1282764.
2. **Oh, Y.**, Lerud, K. D., Hoglund, E., Klyn, N., Large, E. W., and Feth, L. “Testing a computational model for aural detection of aircraft in ambient noise”, (2023) *J. Acoust. Soc. Am.* 154(6), 3799-3809.
3. Malone, A. K., Hungerford, M. E., Smith, S. B., Chang, N. N., Uchanski, R. M., **Oh, Y.**, Lewis, R. F., and Huller, T. E. “Age-related changes in temporal binding involving auditory and vestibular inputs”, (2023). *Semin. Hear.* 00. 1-13.

4. Kim, S., Kwak, C., Han, W., Seo, J., and **Oh, Y.** “Factors influencing the Korean version of the Digit-in-Noise test”, (2023). *J. Audiol. Otol.* 27(2), 88-96.
5. **Oh, Y.**, Kalpin, N.*, Hunter, J.*, and Schwalm, M.* “The Impact of temporally coherent visual and vibrotactile cues on speech recognition in noise performance”, (2023). *JASA Express Lett.* 3(2), 025203.
6. **Oh, Y.**, Srinivasan, N. K., Hartling, C. L., Gallun, F. J., and Reiss, L. A. “Differential effects of binaural pitch fusion range on the benefits of voice gender differences in a ‘cocktail party’ environment for bimodal and bilateral cochlear implant users”, (2023). *Ear Hear.* 44(2), 318-329.
7. **Oh, Y.**, Hartling, C. L., Srinivasan, N. K., Diedesch, A. C., Gallun, F. J., and Reiss, L. A. “Factors underlying masking release by voice-gender differences and spatial separation cues in multi-talker listening environments in listeners with and without hearing loss”, (2022). *Front. Neurosci.* 16:1059639.
8. **Oh, Y.**, Schwalm, M.*, and Kalpin, N.* “Multisensory benefits for speech recognition in noisy environments”, (2022). *Front. Neurosci.* 16:1031424.
9. **Oh, Y.**, Zuwala, J.*, Salvagno, C.*, and Tilbrook, G.* “The impact of pitch and timbre cues on auditory grouping and stream segregation”, (2022). *Front. Neurosci.* 15:725093.
10. Kwak, C., Seo, J., **Oh, Y.**, and Han, W. “Efficacy of the digit-in-noise test: A systematic review and meta-analysis”, (2022). *J. Audiol. Otol.* 26(1), 10-21.
11. Walsh, H.*, Zuwala, J.*, Hunter, J.*, and **Oh, Y.** “Congenital Cytomegalovirus and Human Immunodeficiency Virus: Effects on Hearing, Speech & Language Development, and Clinical Outcomes in Children”, (2021). *Front. Pediatr.* 9:771192.
12. Masapollo, M., Nittrouer, S. Goel, J., and **Oh, Y.** “Electromagnetic articulography appears feasible for assessment of speech motor skills in cochlear implant users”, (2021). *JASA Express Lett.* 1(10), 105202.
13. Kim, S., Yu, S., Sohn, M. E., Han, W., Seo, J., and **Oh, Y.** “A comparison between the Korean Digits-in-noise test and the Korean Speech perception-in-noise test in normal-hearing and hearing-impaired listeners”, (2021). *J. Audiol. Otol.* 25(4), 171-177.
14. **Oh, Y.**, Bridges, S. E.*, Schoenfeld, H.*, Layne, A. O.*, and Eddins, D. “Interaction between voice-gender difference and spatial separation in release from masking in multi-talker listening environments”, (2021). *JASA Express Lett.* 1(8), 084404.
15. Yuan, Y.*, Meyers, K.*, Borges, K.*, Lleo, Y.*, Fiorentino, K.*, and **Oh, Y.** “Effects of visual speech envelope on audiovisual speech perception in multi-talker listening environments”, (2021). *J. Speech Lang. Hear.* 64(7), 2845-2853.
16. Yuan, Y.*, Lleo, Y.*, Daniel, R.*, White, A.*, and **Oh, Y.** “The impact of temporally coherent visual cues on speech perception in complex auditory environments”, (2021). *Front. Neurosci.* 15:678029.
17. **Oh, Y.** and Lee, S.* “Low-intensity steady background noise enhances pitch fusion across the ears in normal-hearing listeners”, (2021). *Front. Psychol.* 12:626762.
18. Yuan, Y.*, Wayland, R., **Oh, Y.** “Visual analog of the acoustic amplitude envelope benefits speech perception in noise”, (2020). *J. Acoust. Soc. Am.* 147(3), EL246-EL251.
19. **Oh, Y.** and Reiss, L. A. “Binaural pitch fusion: Binaural pitch averaging in cochlear implant users with broad binaural fusion”, (2020). *Ear Hear.* 41(6), 1450-1460.
20. Hartling, C. L., Fowler, J. R., Stark, G. N., Glickman, B., Eddolls, M., **Oh, Y.**, Ramsey, K., and Reiss, L. A. “Binaural Pitch Fusion in Children with Normal Hearing, Hearing Aids, and Cochlear Implants”, (2020). *Ear Hear.* 41(6), 1545-1559.
21. Lee, T. L., Shayman, C. S., **Oh, Y.**, Peterka, R. J., and Hullar, T. E. “Reliability of vestibular perceptual testing about the yaw axis”, (2020). *Ear Hear.* 41(6), 1772-1774.
22. Anderson, S. R., Glickman, B., **Oh, Y.**, and Reiss, L. A. J. “Binaural pitch fusion: Effects of sound level in listeners with normal hearing”, (2020). *Hear. Res.* 396 108067.

23. Shayman, C. S., Peterka, R., Gallun, F., **Oh, Y.**, Change, N., and Hullar, T. “Frequency-dependent integration of auditory and vestibular cues for self-motion perception”, (2020). *J. Neurophysiol.* 123(3), 936-944.
24. **Oh, Y.** and Reiss, L. A. “Binaural pitch fusion: Effects of amplitude modulation”, (2018). *Trends in Hearing.* 22, 1-12.
25. Shayman, C. S., Seo, J., **Oh, Y.**, Peterka, R., Lewis, R. F., and Hullar, T. E. “Relationship between vestibular sensitivity and multisensory temporal integration”, (2018). *J Neurophysiol.* 120(4), 1572-1577.
26. Reiss, L. A., Fowler, J. R., Hartling, C. L., and **Oh, Y.** “Binaural pitch fusion in bilateral cochlear implant users”, (2018). *Ear Hear.* 39(2), 390-397.
27. **Oh, Y.** and Reiss, L. A. “Binaural pitch fusion: Pitch averaging and dominance in hearing-impaired listeners with broad binaural pitch fusion”, (2017). *J. Acoust. Soc. Am.* 142(2), 780-791.
28. Reiss, L. A., Shayman, C. S., Walker, E. P., Bennett, K. O., Fowler, J. R., Hartling, C. L., Glickman, B., Lasarev, M., and **Oh, Y.** “Binaural pitch fusion: Comparison of normal-hearing and hearing-impaired listeners”, (2017). *J. Acoust. Soc. Am.* 143(3), 1909-1920.
29. Reiss L. A., Eggleston J. L., Walker, E. P., and **Oh, Y.** “Two ears are not always better than one: Mandatory vowel fusion across spectrally mismatched ears in hearing-impaired listeners”, (2016). *J Assoc Res Otolaryngol.* 17(4), 341-356.
30. **Oh, Y.**, Feth, L. L., and Hoglund, E. M. “An enhanced channel model for auditory spectrotemporal integration”, (2015). *J. Acoust. Soc. Am.* 138(5), 2848-2859.

**PUBLICATIONS
SUBMITTED &
IN REVISION &
IN PREPARATION**

Asterisk (*) indicates author is student working with Dr. Y. Oh

1. **Oh, Y.**, Gallun, F. J., and Reiss, L. A. “Auditory streaming cues reduce binaural pitch fusion in listeners with normal hearing, hearing aids, and cochlear implants”, (in revision).
2. **Oh, Y.**, Gilchrist, A.*, Borges, K.*, and Meyers, K.* “Temporal Coherence between Cross-Modal Sensory Inputs: Implications for the Design of Real-Time Multisensory Speech Recognition”, (in preparation).
3. **Oh, Y.**, Gallun, F. J., and Reiss, L. A. “Perceptual weighting of voice-gender difference and spatial separation in release from masking in multi-talker listening environments for hearing-impaired listeners”, (in preparation).
4. **Oh, Y.**, Shin, M., Lim, J., and Seo, J. “Changes in perceived timing of galvanic vestibular stimulation relative to visual, auditory, and vibrotactile stimulations”, (in preparation).
5. **Oh, Y.**, Peterka, R., Hungerford, M., Nadeau, J., and Hullar, T. “Psychometric modeling approaches for estimating asymmetric vestibular perceptual thresholds”, (in preparation)
6. **Oh, Y.** and Bridges, S. E. “Speech-on-speech masking by voice-gender difference and spatial separation cues in virtual auditory environments”, (in preparation)
7. **Oh, Y.** and Salvagno, C. “Effect of individualized loudness balancing on auditory grouping”, (in preparation)

**INVITED
PRESENTATIONS**

“Factors underlying masking release by voice-gender differences and spatial separation cues in multi-talker listening environments in listeners with and without hearing loss”, to be presented at the 14th Asia Pacific Symposium on Cochlear Implant and Related Sciences (APSCI), Seoul, South Korea, November 2023.

- “Benefits from Voice-Gender Difference and Spatial Separation in Multi-talker Listening Environments”, 2023 Kentucky Speech-Language-Hearing Association Convention (KSHA), February 2023.
- “Differential effects of binaural pitch fusion range on the benefits of voice-gender differences in a ‘cocktail party’ environment for hearing-impaired listeners”, Otology Research Seminar, Buyeo, South Korea, June 2022.
- “A potential technique to enhance speech perception ability for hearing-impaired listeners”, University of Hong Kong Research Seminar”, January 2022.
- “Interaction between voice-gender difference and spatial separation in release from masking in multi-talker listening environments”, Boston University Hearing Research Center Seminar, October 2021.
- “Impacts of age and hearing loss on voice-gender release and spatial release in a complex auditory environment”, University of Florida Hearing Research Center Seminar, February 2021.
- “Broad binaural fusion impairs segregation of speech based on voice pitch differences in a ‘cocktail party’ environment”, University of Florida Rehabilitation Science Seminar, November 2019
- “Multisensory Temporal Integration: Temporal Binding Window and its Clinical Application”, University of Florida Movement Rounds, August 2019.
- “Indiscriminate binaural fusion predicts difficulty with understanding speech in a ‘cocktail party’ environment”, University of Florida Audiology Grand Rounds, January 2019.
- “Difficulty with understanding speech in background noise in predicted by broad binaural pitch fusion in bimodal cochlear implant users”, ASA 175th meeting Special Session: Consequences of Asymmetrical Hearing, May 2018.
- “Human psychoacoustics and model-based approaches for clinical applications”, Otology Research Seminar, Seoul, South Korea, June 2016.

PRESENTATIONS PROCEEDINGS

Asterisk (*) indicates author is student working with Dr. Y. Oh

1. Friggle, P.*, Kinder, J.*, Cuthbertson, C.*, and **Oh, Y.** (2024) “Binaural perception in cochlear implant recipients: Retrospective analysis of speech perception”, to be presented at the AAA 2024+HearTECH Expo.
2. Kinder, J.*, Friggle, P.*, and **Oh, Y.** (2024) “The effects of talker asymmetry on speech perception in multi-talker listening environments”, to be presented at the AAA 2024+HearTECH Expo.
3. Gilchrist, A.*, Keller, E.* and **Oh, Y.** (2024) “Temporally coherent tactile cues can enhance speech perception ability in noisy environments.”, to be presented at the AAA 2024+HearTECH Expo.
4. Keller, E.* and **Oh, Y.** (2024) “The effect of stimulus duration on multisensory temporal integration and its application to multisensory speech perception in noisy environments”, to be presented at the AAA 2024+HearTECH Expo.
5. Pansing, K.*, Fultz, C.*, Turbyville, S.*, Keller, E.*, and **Oh, Y.** (2024) “Estimating vestibular migraines through asymmetries of vestibular function: retrospective analysis of vestibular tests”, to be presented at the AAA 2024+HearTECH Expo.
6. **Oh, Y.**, Schwalm, M.*, and Kalpin, N.* (2023) “The impact of temporally coherent multisensory cues on speech detection and recognition in noisy environments”, ARO 46th Meeting.
7. **Oh, Y.**, Peterka, R., Hungerford, M., Nadeau, J., Garinis, A., and Hullar, T. (2023) “Effects of psychometric fits on estimating vestibular perceptual thresholds”, ARO 46th Meeting.

8. **Oh, Y.**, Shin, M., Kim, J., and Seo, J. (2023) “Changes in perceived timing of galvanic vestibular stimulation relative to visual, auditory, and vibrotactile stimulation”, ARO 46th Meeting.
9. Kalpin, N.*, Hunter, J.*, and **Oh, Y.** (2022) “The impact of temporally coherent visual and vibrotactile cues on speech detection in noise performance”, 2022 ASHA Convention. Awarded as the 2022 ASHA Award for Meritorious Poster Submission.
10. Schwalm, M.*, Ducut, N.*, and **Oh, Y.** (2022) “Multisensory benefit for speech recognition in complex listening environments”, 2022 ASHA Convention.
11. **Oh, Y.**, Kalpin, N.*, and Hunter, J.* (2022) “The Impact of temporally coherent visual and vibrotactile cues on speech perception in noise performance”, *J. Acoust. Soc. Am.* 151, A221.
12. **Oh, Y.**, Borges, K.*, Meyers, K.*, Lopez, J.*, Spratlin, S.*, and Fisch, E.* (2022) “Temporal binding window between three different sensory modalities: auditory, visual, and tactile”, *J. Acoust. Soc. Am.* 151, A221.
13. **Oh, Y.**, Eddins, D., Gallun, F., and Reiss, L. (2022). “Interaction between voice-gender difference and spatial separation in release from masking in multi-talker listening environments”, ARO 45th meeting.
14. **Oh, Y.**, Schoenfeld, H.*, Layne, A. O.*, and Bridges, S. E.* (2021). “Effects of target level on release from masking by voice-gender difference and spatial separation between talkers”, *J. Acoust. Soc. Am.* 150, A304.
15. Bridges, S.* and **Oh, Y.** (2021). “Interaction between voice-gender difference and spatial separation in release from masking in multi-talker listening environments”, 2021 ASHA Convention. Awarded as the 2021 ASHA Award for Meritorious Poster Submission.
16. Salvagno, C.* and **Oh, Y.** (2021). “Interaction between pitch and timber in auditory grouping and stream segregation performance”, 2021 ASHA Convention.
17. Lleo, Y.*, Yuan, Y.* and **Oh, Y.** (2021). “Effects of sound level on audiovisual speech perception in multi-talker listening environments”, 2021 ASHA Convention.
18. Yuan, Y.* and **Oh, Y.** (2021). “Lip-aiding or lip-reading? – Visually-presented acoustic temporal envelope enhances speech perception in noise”, ARO 44th meeting.
19. **Oh, Y.**, David, B.*, Husney, L.*, and Lee, S.* (2020). “Effects of steady background noise on benefits from voice pitch differences in a “Cocktail Party” environment”, *J. Acoust. Soc. Am.* 148, 2465.
20. Yuan, Y.* and **Oh, Y.** (2020). “Importance of temporal cues in audiovisual integration in speech perception in noise”, *J. Acoust. Soc. Am.* 148, 2465.
21. **Oh, Y.** and Reiss, L. A. (2020). “Effects of amplitude modulation on binaural pitch fusion in cochlear implant users”, ARO 43rd meeting.
22. **Oh, Y.**, Hartling, C., Srinivasan, N. K., Eddolls, M., Diedesch, A., Gallun, F., and Reiss, L. A. (2020). “Effects of binaural fusion on benefits from voice pitch differences and spatial separation in a ‘Cocktail party’ environment”, ARO 43rd meeting.
23. Eddolls, M., Hartling, C., Fowler, J., Stark, G., **Oh, Y.**, Alicia, J., Sanders, H., and Reiss, L. (2020). “Development of binaural pitch fusion and discrimination in children with normal hearing, hearing aids, and cochlear implants”, ARO 43rd meeting.
24. Lee, S.*, Yuan, Y.*, and **Oh, Y.** (2019). “Effects of steady background noise on binaural pitch fusion”, *J. Acoust. Soc. Am.* 146, 2834.
25. Yuan, Y.*, Lotto, A. J., and **Oh, Y.** (2019). “Temporal cues from visual information benefit speech perception in noise”, *J. Acoust. Soc. Am.* 146, 3056.
26. **Oh, Y.**, Reiss, L., and Gallun, F. (2019). “Binaural pitch fusion: Comparison of isolated and temporally flanked dichotic stimuli”, CIAP meeting.
27. Eddolls, M., Reiss, L., **Oh, Y.**, Hartling, C., Johnson, A., Glickman, B., Stark, G., Ruiz, J.

- (2019). “Interaural pitch discrimination in children with normal hearing, hearing aids, and cochlear implants”, CIAP meeting.
28. Shayman, C., Gallun, F., Peterka, R., **Oh, Y.**, Hullar, T. (2019). “Auditory-vestibular integration for motion perception: A psychophysical study”, American Balance Society meeting.
29. **Oh, Y.**, Gallun, F., and Reiss, L. A. (2018). “Effect of auditory stream segregation cues on binaural pitch fusion”, *J. Acoust. Soc. Am.* 143, 1815.
30. Glickman, B., **Oh, Y.**, and Reiss, L. A. (2018). “The effects of interaural level differences on binaural fusion in normal-hearing listeners”, *J. Acoust. Soc. Am.* 143, 1815.
31. **Oh, Y.** and Reiss, L. A. (2018). “Relationship of within-ear frequency tuning to binaural pitch fusion”, ARO 41st meeting.
32. **Oh, Y.** and Reiss, L. A. (2017). “Computational model approach to understand mechanism for binaural pitch fusion”, APAN meeting & SFN meeting.
33. **Oh, Y.**, Shayman, C., and Hullar, T. (2017). “The effect of Parkinson’s disease on multisensory temporal binding”, SFN meeting.
34. **Oh, Y.**, Hartling, C., Reiss, L. A., Srinivasan, N. K., Jakien, K., Diedesch, A., and Gallun, F. (2017). “Voice gender release from masking in cochlear implant users is correlated with binaural pitch fusion”, CIAP meeting.
35. Glickman, B., **Oh, Y.**, and Reiss, L. A. (2017). “The effects of interaural level differences on fusion in adults with normal-hearing and bilateral cochlear implants”, CIAP meeting.
36. Hartling, C., Glickman, B., Fowler, J., Stark, G., Richardson, L., Montejano, M., **Oh, Y.**, and Reiss, L. A. (2017). “Binaural pitch fusion in children with normal-hearing, hearing-aids, and cochlear implants”, CIAP meeting
37. **Oh, Y.**, Hartling, C., Reiss, L. A., Srinivasan, N. K., Jakien, K., Diedesch, A., and Gallun, F. (2017). “Voice gender release from masking in cochlear implant users is correlated with binaural pitch fusion”, *J. Acoust. Soc. Am.* 141, 3816.
38. Reiss, L. A., Hartling, C., Glickman, B., Fowler, J., Stark, G., and **Oh, Y.** (2017). “Factors associated with broad binaural pitch fusion in children and adults with hearing aids and cochlear implants”, *J. Acoust. Soc. Am.* 141, 3818.
39. **Oh, Y.** and Reiss, L. A. (2017). “Effect of amplitude modulation on binaural pitch fusion”, ARO 40th meeting.
40. Hoglund, E. M., Klyn, N. A., Feth, L. L., **Oh, Y.**, Lerud, K., and Large, E. (2016). “Testing a computational model for detection of “real-world” sounds”, *J. Acoust. Soc. Am.* 140, 3273.
41. **Oh, Y.** and Reiss, L. A. (2016). “Binaural pitch averaging and dominance trends in cochlear implant users”, *J. Acoust. Soc. Am.* 139, 1991.
42. **Oh, Y.** and Reiss, L. A. (2016). “Toward a systematic analysis of binaural pitch averaging trends in hearing impaired listeners”, ARO 39th meeting.
43. Anderson, S. R., **Oh, Y.**, and Reiss, L. A. (2016). “Binaural pitch fusion in normal-hearing listeners varies as a function of sound level”, ARO 39th meeting.
44. **Oh, Y.**, Hoglund, E. M., and Feth, L. L. (2014). “Testing a nonlinear computational channel model for masker phase effects”, *J. Acoust. Soc. Am.* 135, 2164.
45. Hoglund, E. M., Feth, L. L., **Oh, Y.**, and Klyn, N. A. (2014). “Optimizing masker phase effects for use in a portable hearing screening tool”, *J. Acoust. Soc. Am.* 135, 2412.
46. Klyn, N. A., **Oh, Y.**, Hoglund, E. M., and Feth, L. L. (2014). “Phase effects using chirp maskers”, *J. Acoust. Soc. Am.* 135, 2413.
47. Hoglund, E. M., **Oh, Y.**, Hribar, J. F., Wittum, K. J., Strang, M. L., and Feth, L. L. (2013). “Extending Schroeder-phase masking: Influence of direction and shape of masker

- instantaneous frequency”, *J. Acoust. Soc. Am.* 133, 3285.
48. Stewart, A. E., Hoglund, E. M., **Oh, Y.**, and Feth, L. L. (2012). “Modulation difference limen for spectral center-of-gravity signals”, *J. Acoust. Soc. Am.* 132, 2050.
49. **Oh, Y.**, Hoglund, E. M., and Feth, L. L. (2012). “A modified channel model for the auditory peripheral system”, *J. Acoust. Soc. Am.* 131, 3518.
50. **Oh, Y.** and Feth, L. L. (2012). “Optimal linear quadratic detector for the weighted channel model”, Air Force Research meeting, Dayton, OH, February 2012.
51. **Oh, Y.** (2011). “A model of spectrotemporal integration based on fixed-variable weight hypotheses”, Air Force Research meeting, Columbus, OH, October 2011.
52. Hoglund, E. M., **Oh, Y.**, and Feth, L. L. (2011). “Spectrotemporal integration in listeners with normal hearing and those with noise induced hearing loss”, *J. Acoust. Soc. Am.* 129, 2590.
53. Hoglund, E. M., Feth, L. L., and **Oh, Y.** (2011). “Integration of brief tones in quiet and noise”, AAS 38th meeting.
54. Feth, L. L., Hoglund, E. M., **Oh, Y.**, and Meddis, R. (2010). “Spectrotemporal integration in listeners with normal hearing and those with noise induced hearing loss: An application of the Meddis Matlab Auditory Periphery (MAP) model”, *J. Acoust. Soc. Am.* 127, 1746.

TEACHING**2019-2022: University of Florida**

Term	Course #	Title	Enrollment
Summer 2022	SPA 6805	Introduction to Graduate Research	11
Spring 2022	SPA 6581	Cochlear Implant 1	11
	SPA 6581	AuD Research Project	6
	SPA 4931	Honors in Communication Science & Disorders	3
	SPA 4931	Honors in Communication Science & Disorders	3
Fall 2021	SPA 6010	Basic Auditory Sciences	12
	SPA 6581	AuD Research Project	6
	SPA 4904	Individual Study	3
	SPA 4931	Honors in Communication Science & Disorders	3
	GMS 6893	Clinical and Translational Science Institute Student Seminar (Guest Lecture)	10
Summer 2021	SPA 6805	Introduction to Graduate Research	12
	SPA 4931	Honors in Communication Science & Disorders	3
Spring 2021	SPA 7980	Doctoral Research	2
	SPA 6581	Cochlear Implant 1	12
	SPA 6581	AuD Research Project	5
	SPA 4931	Honors in Communication Science & Disorders	3
	SPA 4904	Individual Study	3
	SPA 6564	Communication and Aging (Guest Lecture)	11
	GMS 6070	Sensory Biology (Guest Lecture)	7
	EGN 4912	Engineering Undergraduate Research	2
Fall 2020	SPA 7980	Doctoral Research	1
	SPA 6010	Basic Auditory Sciences	12
	SPA 6581	AuD Research Project	5
	SPA 4931	Honors in Communication Science & Disorders	3
	SPA 4904	Individual Study	4
	SPA 3032	Fundamental of Hearing (Guest Lecture)	97
	BMS6020	Clinical Neuroscience (Guest Lecture)	34
	EGN 4912	Engineering Undergraduate Research	1
Summer 2020	SPA 4931	Honors in Communication Science & Disorders	3
	SPA 4904	Individual Study	3
Spring 2020	SPA 7980	Doctoral Research	1
	SPA 6581	Cochlear Implant 1	9

	SPA 3800	Critical Thinking (Guest Lecture)	21
	SPA 6564	Communication and Aging (Guest Lecture)	10
Fall 2019	SPA 6010	Basic Auditory Sciences	9
	BMS6020	Clinical Neuroscience (Guest Lecture)	25
Summer 2019	GMS 6705	Functional Human Neuroanatomy (Guest Lecture)	24
Spring 2019	SPA 6581	Cochlear Implant 1	11
	SPA 3800	Critical Thinking (Guest Lecture)	28

RESEARCH MENTORING

2019-2022: University of Florida

	Name	Department	Period
PhD Students (PhD Dissertation)	Minjae Woo	Linguistics	2019-present
	Mihoko Wheeler		2019-present
	Tristan Czarnecki-Verner		2019-present
	Pamir Gogoi		2019-present
	Raele Robinson		2019-present
	Yi Yuan	SLHS	2019-2021
	Jayoung Kim		2019-2020
MA Students (MA Thesis)	Suk-il Choi	ECE	2021-2022
AuD Students (AuD Research Project)	Hannah Walsh	SLHS	2021-2022
	Nicole Kalpin		2021-present
	Meg Schwalm		2021-present
	Grace Tilbrook		2021-present
	Kelli Meyers		2020-2022
	Kayla Borges		2020-2022
	Allison Layne		2020-2022
	Alexandra White		2020-2021
	Sabrina Lee		2019-2021
	Lauren Husney		2019-2020
	Anna David		2019-2020
Undergraduate Students (Honors Project/Thesis)	Jessica Hunter	SLHS	2021-2022
	Natalie Ducut		2021-2022
	Jillian Zuwala		2020-2022
	Sarah Bridges		2020-2021
	Caitlin Salvagno		2020-2021
	Yasneli Lleo		2020-2021
	Kathryn McAllister		2019
Undergraduate Research Assistants	Christel Zimmer	SLHS	2021-2022
	Elizabeth Fisch		2021-2022
	Shelbey Spratlin		2021-2022
	Jenniffer (Arti) Lopez		2020-2022
	Brian Ramos	CSE	2020-2022
	Tito Salvador Ruiz Jandrez		2020-2022
	Leonardo Maicelo Yuber		2020-2021
	Andrew Nordlund	BE	2020-2021
	Rebecca Daniel	SLHS	2020-2021
	Katarina Fiorentino		2020-2021
	Genevieve Cosentino		2020-2021
	Hannah Schoenfeld		2020-2021
	Shreya Shivan		2019-2020
	Garrett Brown		BP

BE: Biomedical Engineering; BP: Biology and Psychology; CSE: Computer Science Engineering; ECE: Electrical & Computer Engineering; SLHS: Speech, Language, and Hearing Sciences