Sarah Yoho Leopold
(Sarah E. Yoho)
leopold.41@osu.edu
sarah.leopold@usu.edu

Primary Research Interests:
Speech Perception, Speech in Noise, Hearing Loss, Intersection of Disordered Hearing and Disordered Speech Production/Motor Speech Disorders

EDUCATION

The Ohio State University, Columbus, Ph.D. in Speech & Hearing Science, 2016
Dissertation: "Factors Influencing the Prediction of Speech Intelligibility"

The Ohio State University, Columbus, B.A. in Speech & Hearing Science, 2009
Summa Cum Laude with Honors and Research Distinction

POSITIONS

Research Scientist, Speech and Hearing Science
The Ohio State University, Columbus
2022-Present

Lecturer, Speech and Hearing Science
The Ohio State University, Columbus,
2022-Present

Research Scientist, Communicative Disorders and Deaf Education
Utah State University, Logan
2021-Present

Audiology Division Chair, Communicative Disorders and Deaf Education
Utah State University, Logan
2019-2021

Assistant Professor, Communicative Disorders and Deaf Education
Utah State University, Logan
2016-Present

Presidential Fellow
The Ohio State University, Columbus
2015-2016

GRANTS UNDER REVIEW

National Institutes of Health, NIDCD R01 Award
Improving the Intelligibility of Dysarthric Speech in Noise
Role: PI (MPIs: Borrie, S.A. & Healy, E.W.)

National Institutes of Health, NIDCD R21 Award
The Susceptibility of Speech to Noise
Role: Co-Investigator (PI: Healy, E.W.)

CURRENT GRANT SUPPORT

National Institutes of Health, NIDCD R01 Award
R01DC020930: Perceptual Training for Improved Intelligibility of People with Parkinson's Disease.
Role: Consultant (MPIs: Borrie, S.A. & Lansford, K.L.)
$2,666,871
September 1, 2024 – May 1, 2029

COMPLETED GRANT SUPPORT

National Institutes of Health, NIDCD, R21 Early Career Research Award
R21DC018641: Application Of Ideal Binary Masking to Disordered Speech
Role: Primary Investigator (Co-Is Stephanie Borrie, Ph.D. & Tyson Barrett, Ph.D.)
$435,000
April 1, 2020- March 31, 2024

National Institutes of Health, NIDCD, R01 Award
R01DC015521: Improving Intelligibility in Noise For Hearing-Impaired Listeners
Role: Co-I (PI: Healy, E.W.)
$1,573,458
August 1, 2016-December 31, 2024

Utah State University Research Catalyst
Role: Co-I (PI: McClain, M.B., Ph.D.)
$19,998.46
"The Effects of Background Noise on Reading for Children with Autism Spectrum Disorder"
January 2019-December 2019

Acoustical Society of America, Women in Acoustics Young Investigators Travel Grant
$600
November 2018

American Speech-Language-Hearing Association, Advancing Academic Research Careers
$5,000
August 2018-June 2020

Utah State University Research Catalyst
$19,306
"Improving Speech Intelligibility for Listeners with Hearing Loss"
January 2017-March 2018

Utah State University, Honors Research Fund Award
$500
Honors Student Research Mentee: Cassandra Bovee
December 2016-May 2017

INVITED PUBLICATIONS

**student mentee*

Reynolds, B.*, Yoho, S.E., Muñoz, K. F. (2020). Family involvement in adult audiology appointments. *The Hearing Journal,* 73, 14-15.

REFEREED PUBLICATIONS

**student mentee*
[+]co-first author

Yoho, S.E., Healy, E.W., Barrett, T.S., Borrie, S.A. (In Review). Communication in Complex Situations: The Combined Influence of Dysarthria and Sensorineural Hearing Loss on Speech Perception in Everyday Noisy Environments. *Journal of Speech, Language, and Hearing Research.*

Tetzloff, K.A., Yoho, S.E., & Borrie, S.A. (In Review). The Relationship Between Rhythm Perception Abilities and Perceptual Learning In Syllable- Versus Stress-Timed Languages. *Journal of the Acoustical Society of America.*

Yoho, S. E., Barrett, T. S., & Borrie, S. A. (2023). The Influence of Sensorineural Hearing Loss on the Relationship Between the Perception of Speech in Noise and Dysarthric Speech. *Journal of Speech, Language, and Hearing Research*, 66(10), 4025-4036.

Borrie, S.A.[+] Yoho, S.E.[+], Healy, E.W., & Barrett, T.S. (2023). The Application Of Time-Frequency Masking To Improve Intelligibility Of Dysarthria In Background Noise. *Journal of Speech, Language, and Hearing Research,* 66*,* 1853-1866.

McClain, M.B., Yoho, S.E., Drill, R. B., Haverkamp, C.R., Schwartz, S.E., Barker, B.A., Longhurst, D.N., & Upton, S.R. (2023). Reading Skills and Background Noise in Autistic and Non-Autistic Children: A Pilot Study. *Contemporary School Psychology.*

Reynolds, B.*, Yoho, S.E., Muñoz, K.F., Pitt, C. (2019). Family Involvement In Adult Hearing Evaluation Appointments: Patient Perspectives. *American Journal of Audiology.* 28, 857-865.

Muñoz, K. F., Larsen, M., Nelson, L., Yoho, S.E., & Twohig, M. P. (2019). Pediatric Hearing Device Management: Hearing Device Use, Parent Experiences, And Confidence. *Journal of Early Hearing Detection and Intervention*, 4, 73-82.

Yoho, S.E. & Bosen, A. (2019). Individualized Frequency Importance Functions For Listeners With Sensorineural Hearing Loss. *Journal of the Acoustical Society of America,* 145, 822-830.

*Muncy, M.P., Yoho, S.E., & McClain, M.B. (2019) Confidence of School-Based Speech-Language Pathologists and School Psychologists in Assessing Students with Hearing Loss and Other Co-Occurring Disabilities. *Language, Speech, and Hearing Services in Schools,* 50 (2), 224-236.

Borrie, S.A., Barrett, T. S. & Yoho, S.E. (2019). Autoscore: An Open-Source Automated Tool For Scoring Listener Perception Of Speech. *Journal of the Acoustical Society of America,* 145, 392-399.

Yoho, S.E., Borrie, S., Barrett, T.S., & *Whittaker, D.B., (2019) Are There Sex Effects For Speech Intelligibility? Examining The Influence Of Talker, Listener, And Methodology. *Attention, Perception & Psychophysics,* 81, 558-570.

Yoho, S. E., Apoux, F., & Healy, E. W. (2018). The Noise Susceptibility Of Various Speech Bands. *The Journal of the Acoustical Society of America,* 143, 2527-2534.

Yoho, S. E., Healy, E. W., Youndahl, C.L., Barret, T. S. & Apoux, F. (2018). Speech material and talker effects in speech band importance. *The Journal of the Acoustical Society of America*, 143, 1417-1426.

Yoho, S.E. & Borrie, S.A. (2018). Combining degradations: The effect of background noise on the intelligibility of disordered speech. *The Journal of the Acoustical Society of America*, 143, 281-286.

Youngdahl, C. L., Healy, E. W., Yoho, S. E., Apoux, F., & Holt, R. F. (2018). The effect of remote masking on the reception of speech by young school-aged children. *Journal of Speech, Language, and Hearing Research,* 61, 420-427.

Mandel, M. I., Yoho, S. E. & Healy, E. W. (2016). Measuring time-frequency importance functions of speech with bubble noise. *The Journal of the Acoustical Society of America,* 140, 2542-2553.

Healy, E. W. & Yoho, S. E. (2016). Difficulty understanding speech in noise by the hearing impaired: Underlying causes and technological solutions. *Proceedings of the IEEE Engineering in Medicine and Biology 2016 Conference*, 89-92.
(Three reviewers, ~50% acceptance rate)

Chen, J., Wang, Y., Yoho, S. E., Wang, D., & Healy, E. W. (2016). Large-scale training to increase speech intelligibility for hearing-impaired listeners in novel noises. *The Journal of the Acoustical Society of America*, 139, 2604-2612.[1]

[1] *A JASA top-20 cited paper for 2017*

Healy, E.W., Yoho, S.E., Chen, J., Wang, Y. & Wang, D.L. (2015). An algorithm to increase speech intelligibility for hearing-impaired listeners in novel segments of the same noise type. *Journal of the Acoustical Society of America,* 138, 1660-1669.

Apoux, F., Youngdahl, C.L., Yoho, S.E., & Healy, E.W. (2015). Dual-carrier processing to convey temporal fine structure cues: Implications for cochlear implants. *Journal of the Acoustical Society of America,* 138, 1469-1480.

Healy, E. W., Yoho, S. E., Wang, Y., Apoux, F., & Wang, D.L. (2014). Speech-cue transmission by an algorithm to increase consonant recognition in noise for hearing-impaired listeners. *Journal of the Acoustical Society of America,* 136, 3325-3336.

Mandel, M. I., Yoho, S. E., Healy, E. W. (2014). Generalizing time-frequency importance functions across noises, talkers, and phonemes. *Proceedings of INTERSPEECH 2014,* 2016-2020.
(Three reviewers, 52% acceptance rate)

Healy, E. W., Yoho, S. E., Wang, Y., & Wang, D. L. (2013). An algorithm to improve speech recognition in noise for hearing-impaired listeners. *Journal of the Acoustical Society of America*, 134, 3029-3038.[2, 3, 4]

[2] *JASA's "most-read" paper December 2013-March 2014, second most-read paper April 2014*
[3] *A JASA top-10 cited paper for 2015 (2nd)*
[4] *A JASA top-10 cited paper for 2016 (7th)*

Apoux, F., Yoho, S. E., Youngdahl, C. L., & Healy, E. W. (2013). Role and relative contribution of temporal envelope and fine structure cues in sentence recognition by normal-hearing listeners. *Journal of the Acoustical Society of America*, 134, 2205-2212.

Healy, E. W., Yoho, S. E., & Apoux, F. (2013). Band importance for sentences and words reexamined. *Journal of the Acoustical Society of America*, 133, 463-473.

OTHER PUBLICATIONS

Yoho, S.E. *Thiede, N., Borrie, S.A. (2019). Stability of speech intelligibility across different noise environments. *Proceedings of the 26th International Congress on Sound and Vibration, p. 4187.*

Healy, E. W., Yoho, S. E., Youngdahl, C. L., & Apoux, F. (2013). Talker effects in speech band importance functions. *Proceedings of Meetings on Acoustics*, 19, 050066, pp. 1-6.

Apoux, F., Yoho, S. E., Youngdahl, C. L., & Healy, E. W. (2013). Can envelope recovery account for speech recognition based on temporal fine structure? *Proceedings of Meetings on Acoustics*, 19, 050072, pp.1-6.

PUBLISHED ABSTRACTS & PRESENTATIONS

*student mentee

Yoho, S.E., Healy, E.W., Barrett, T.S., & Borrie, S.A. (2024). A time-frequency mask approach to improve understanding of dysarthric speech in noise for listeners with hearing loss. Presented at 2024 Motor Speech Conference, San Diego, CA.

Yoho, S.E., Borrie, S.A., Barrett, T.S., & Healy, E.W. (2023). Improving intelligibility of dysarthric speech in noise for listeners with hearing loss. The Journal of the Acoustical Society of America, 154, A32-A33. Presented at the joint 185th Meeting of the Acoustical Society of America and the 2023 Meeting of the Australian Acoustical Society, Sydney, NSW, Australia.

Bosen, A.K., Yoho, S.E., Canfarotta, M., Frenette, A., & McCreery, R. (2020, March). Customizing individual frequency importance weighting measures. Presented at the American Auditory Society Conference, Phoenix AZ.

Healy, E.W., Yoho, S.E., & Sevich, V.A. (2020, March). Speech is differentially susceptible to noise: Implications for the SII. Presented at the American Auditory Society Conference, Phoenix, AZ.

Healy, E.W., Sevich., V.A., & Yoho, S.E. (2020). Different speech frequencies are differently susceptible to noise: Implications for improved intelligibility prediction and the SII (a). Journal of the Acoustical Society of America.

Harris, B., McClain, M.B., Benallie, K.J., Benney, C.M., Yoho, S.E., & Golson, M. (2020, February). Knowledge of Autism Spectrum Disorder among school-based professionals. Paper presented at the National Association of School Psychologists Conference, Baltimore, MD.

Budget, S.*, Borrie, S. A., Barrett, T.S., Yoho, S.E., Vargas, R., Landsford, K.L. (2019, November). Gamified perceptual learning of dysarthric speech. Paper presented at the American Speech-Language Hearing Convention, Orlando, FL.

Yoho, S. E., *Thiede, N., & Borrie, S. A. (2019, July). Stability of speech intelligibility across different noise environments. **Invited Lecture**, 26th International Congress on Sound and Vibration, Montreal, Quebec, Canada.

Muncy, M. P., Yoho, S. E., & McClain, M.B. (2019, February). Confidence in assessing children with hearing loss and other disabilities. Paper presented at the American Auditory Society Conference, Phoenix, AZ.

Borrie, S. A., Yoho, S. E., & Barrett, T. S. (2019, February). An open-source, automated tool for scoring transcriptions of speech. Paper presented at the American Auditory Society Conference, Phoenix, AZ.

Thiede, N., Yoho, S. E., Borrie, S. A. (2019, February). Consistency of talker intelligibility across different listening environments. Paper presented at the American Auditory Society Conference, Phoenix, AZ.

Yoho, S. E. & Borrie, S.A. (2018, November). *Relationship between perception of speech in noise and disordered speech: Influence of sensorineural hearing loss.* **Invited Lecture,** Acoustical Society of America Conference, Victoria, British Columbia, Canada.
*Award for Best Outstanding Paper by a Young Presenter

Yoho, S.E. & Healy, E.W. (2018, July). *Why noise reduction is so critical for the impaired auditory system.* **Invited Lecture,** 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Honolulu, HI.

Yoho, S.E. & Bosen, A.K. (2018). Band importance functions of listeners with sensorineural hearing impairment (a). Journal of the Acoustical Society of America, 143, 1943.

Yoho, S.E. & Borrie, S.A. (2018). The impact of combined degradations: Intelligibility of disordered speech in noise (a). Journal of the Acoustical Society of America, 143, 1821.

*Whittaker, D. & Yoho, S.E. (2018, May). *Effects of talker and listener sex on speech intelligibility.* Regional Audiology Research Symposium, Utah State University, Logan.

*Herald, K. & Yoho, S.E. (2018, May). *Band importance for male and female speech.* Regional Audiology Research Symposium, Utah State University, Logan.

*Thiede, N., Yoho, S.E., McClain, M.B. (2018, May). *Word recognition in noise by children with Autism Spectrum Disorder.* Regional Audiology Research Symposium, Utah State University, Logan.

*Long, S. & Yoho, S.E. (2018, May). *Band importance functions of listeners with sensorineural hearing impairment.* Regional Audiology Research Symposium, Utah State University, Logan.

*Muncy, M., Yoho, S.E., McClain, M.B. (2018, May). *Confidence of school psychologists and speech-language pathologists in assessing children with hearing loss and other co-occurring disabilities.* Regional Audiology Research Symposium, Utah State University, Logan.

Yoho, S.E. & McClain, M.B. (2018, March). *Word recognition in noise by children with Autism Spectrum Disorder.* Paper presented at the American Auditory Society Conference, Phoenix, AZ.

Yoho, S.E. & Whittaker, D.*(2018, March). *Effects of talker and listener sex on speech intelligibility.* Paper presented at the American Auditory Society Conference, Phoenix, AZ.

Yoho, S.E. & Herald, K.* (2018, March). *Band importance for male and female speech.* Paper to be presented at the American Auditory Society Conference, Phoenix, AZ.

Chafin, T.*, Barker, B.A., Yoho, S.E. (2018, March). The effects of multiple talkers and noise on hearing-aid users. Paper presented at the American Auditory Society Conference, Phoenix, AZ.

McClain, M.B., Schatz, R.B., & Haverkamp, C.*, & Yoho, S.E. (2018, February). *Reading Skills and Background Noise: Children with Autism Spectrum Disorder.* Paper presented at the 2018 National Association of School Psychologists Annual Convention, Chicago, Illinois.

Yoho, S.E., Apoux, F., Healy, E.W. (2017). How susceptibility to noise varies across speech frequencies (a). Journal of the Acoustical Society of America, 141, 3819.

Bovee*, C., Yoho, S.E., McClain, M.B. (2017, April). *Background noise impacts on speech perception for children with autism spectrum disorder.* Poster presented at 2017 USU Student Research Symposium, Logan, UT.

Yoho, S.E. (2017, March). *Solving the speech-in-noise problem for listeners with hearing loss.* **Invited Lecture.** 2017 Utah Speech-Language-Hearing Association Conference, Salt Lake City, UT.

Healy, E. W. & Yoho, S. E. (2016, August). *Difficulty understanding speech in noise by the hearing impaired: Underlying causes and technological solutions.* **Invited Lecture given by Yoho, S.E.** 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Orlando, FL.

Youngdahl, C.L., Yoho, S. E., Apoux, F., Holt, R. F., & Healy, E. W. (2016). Effect of interleaved noise on speech recognition in children (a). *Journal of the Acoustical Society of America*, 239, 2157.

Chen, J., Wang, Y., Yoho, S. E., Wang, D. L. & Healy, E. W. (2016). An algorithm to increase speech intelligibility for hearing-impaired listeners in entirely novel noises (a). *Journal of the Acoustical Society of America*, 139, 1995.

Youngdahl, C. L., Yoho, S. E., Apoux, F., Holt, R. F., & Healy, E. W. (2015, November). *Effect of spectrally-remote noise on sentence recognition in children.* Paper presented at the 2015 American Speech-Language Hearing Association Annual Convention, Denver, CO.

Mandel, M. I., Yoho, S. E., & Healy, E. W. (2015, March). *Listener consistency in identifying speech mixed with particular "bubble" noise instances*. Paper presented at Buckeye Language Network Annual Symposium, Columbus, OH.

Vasko, J. L., Yoho, S. E., & Healy, E. W. (2015, March). *Parameter selection for segregating speech from background noise.* Paper presented at Buckeye Language Network Annual Symposium, Columbus, OH.

Youngdahl, C.L., Yoho, S. E., Apoux, F., Holt, R. F., & Healy, E. W. (2015). Effect of spectrally remote maskers on sentence recognition by adults and children (a). *Journal of the Acoustical Society of America*, 137, 2229.

Healy, E. W., Yoho, S. E., Chen, J., Wang, Y., & Wang, D. L. (2015). An algorithm that generalizes to novel noise segments to improve speech intelligibility for hearing-impaired listeners (a). *Journal of the Acoustical Society of America*, 137, 2208.

Mandel, M. I., Yoho, S. E., & Healy, E. W. (2015). Listener consistency in identifying speech mixed with particular 'bubble' noise instances (a). *Journal of the Acoustical Society of America*, 137, 2206.

Healy, E. W., Yoho, S. E., Wang, Y., & Wang, D. L. (2014, August) *A classification algorithm to improve speech recognition in noise for hearing-impaired listeners*. Paper presented at the International Hearing Aid Research Conference: IHCON 2014, Tahoe City, CA.

Apoux, F., Youngdahl, C. L., Yoho, S. E., & Healy, E. W. (2014). Dual-carrier vocoder: Evidence of a primary role of temporal fine structure in streaming (a). *Journal of the Acoustical Society of America*, 135, 2164.

Healy, E. W., Yoho, S. E., Wang, Y., Apoux, F., Youngdahl, C. L., & Wang, D. L. (2014). An algorithm to improve speech recognition in noise for hearing-impaired listeners: Consonant identification and articulatory feature transmission (a). *Journal of the Acoustical Society of America*, 135, 2412.

Wigand, J. P., Yoho, S. E., & Healy, E. W. (2014, March). *The speech critical band in cochlear implant users: Frequency resolution employed during the reception of everyday speech.* Paper presented at AudiologyNOW 2014, Orlando, FL.

Apoux, F., Yoho, S. E., Healy, E. W., & Brown, C. A. (2014, March*). Dual-carrier strategy: Preliminary cochlear implant data.* Paper presented at the American Auditory Society 2014 Meeting, Scottsdale, AZ.

Healy, E. W., Yoho, S. E., Youngdahl, C. L., & Apoux, F. (2013). Talker effects in speech band importance functions (a). *Journal of the Acoustical Society of America*, 133, 3379.

Apoux, F., Youndahl, C. L., Yoho, S. E., & Healy, E. W. (2013). Can envelope recovery account for speech recognition based on temporal fine structure? (a). *Journal of the Acoustical Society of America*, 133, 3380.

Apoux, F., Berg, C.Y., Yoho, S.E., & Healy, E.W. (2011). Differential contribution of target and masker temporal fine structure to the segregation of speech from noise (a). *Journal of the Acoustical Society of America*, 129, 2489.

Apoux, F., Berg, C.Y., Yoho, S.E., & Healy, E.W. (2011, January*). Differential contribution of target and masker temporal fine structure to the segregation of speech from noise: preliminary data.* Paper presented at the 3rd Workshop on Speech in Noise: Intelligibility and Quality. Lyon, France.[2]

[2]*Colin E. Cherry Award Winner*

Yoho, S.E. (2009). *Survey of How New Standards Affect School-Based Speech-Language Pathologists.* Paper presented at 14th Annual Denman Undergraduate Research Forum, Columbus, OH.

HONORS & AWARDS

2019 Best Outstanding Paper by a Young Presenter Award, Acoustical Society of America, 176th meeting of the Acoustical Society of America, Invited Paper: Relationship between perception of speech in noise and disordered speech: Influence of sensorineural hearing loss
Award: $250

2019 Invited Speaker, 26th International Congress on Sound and Vibration, Montreal, Quebec, Canada

2018 Invited to serve on Editorial Board of Journal of Speech, Language, and Hearing Research

2018 Elected to Full Membership, Acoustical Society of America

2018 Invited Speaker, 176th Meeting of the Acoustical Society of America, Victoria, British Columbia, Canada

2018 Invited Speaker, 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Honolulu, Hawaii

2017 Utah State University Washington D.C. Funding Trip Selectee

2017 Utah State University Proposal Writing Institute Selectee

2017 American Speech-Language-Hearing Association
Lessons for Success Program Selectee
Mentor: Karen Kirk, Ph.D., The University of Illinois

2016 Invited Speaker, 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Orlando, Florida.

2016 American Speech-Language-Hearing Association
Research Mentoring Network, Pathways Program Selectee
Mentor: Robert Burkard, Ph.D., University at Buffalo

2015 Presidential Fellowship, The Ohio State University
"The most competitive and prestigious scholarly recognition provided by the Graduate School"
Amount: $26,000

2015 Ph.D. Scholarship, Council of Academic Programs in Communication Sciences and Disorders (CAPCSD)
Amount: $20,000

2015 Student Researcher of the Year, Department of Speech & Hearing Science
The Ohio State University

2014 Sphinx – Mortar Board Faculty/Staff Teaching Recognition Award
Nominated by former student as faculty/staff member who had the most influence on the individual's collegiate career

2014 Graduate Fellowship, Summer Competition, Center for Cognitive and Brain Sciences
The Ohio State University
Advisers: DeLiang Wang, Ph.D. & Eric W. Healy, Ph.D.
Amount: $8,000

STUDENT RESEARCH MENTEES

AuD:

Capstone Research Project Chair (The Ohio State University):
Aubrey Stoll (2022-2023)

Clinical Research Project Committee Chair (Utah State University):
Kari Loehr (2018-2020)
Madison Brown (2018-2020)
Nicole Thiede (2017-2019)
Monica Muncy (2017-2019
Dane Whittaker (2016-2018)
Kacy Herald (2016-2018)

Clinical Research Project Committee Member (Utah State University):
Madison Murphy (2016-2018)
Shea Long (2016-2018)
Taylor Baxter (2016-2018)
Makynzie Larsen (2017-Present)
Bailey Reynolds (2017-Present)
Shannon Edelman (2019-Present)

Undergraduate:

Madison Brown (2017-2018)

Cole Rowan (2017-2018)
Cassie Bovee (Honors student, 2016-2017)
Nicole Thiede (2016-2017)
Meagen Eyre (2016-2017)
Jordan Vasko (Honors student, 2014-2016)

MENTORED PROJECTS

PhD:

Student: Ana Caballero
Co-mentor
Mentored Teaching Product
COMD 3700 Basic Audiology

Student: JJ Whicker
Mentor
Mentored Teaching Product
COMD 3700 Basic Audiology

AuD:

Student: Aubrey Stoll
Qualitative interviews of conversational dyads of spousal pairs having co-occurring hearing loss and dysarthria
AuD Clinical Capstone
The Ohio State University

Student: Monica Muncy
Confidence of school-based speech-language pathologists and school psychologists in assessing students with hearing loss and other co-occurring disabilities
AuD Clinical Research Project
Utah State University

Student: Dane Whittaker
Subjective and objective intelligibility by talker and listener gender

AuD Clinical Research Project
Utah State University

Student: Kacy Herald
Gender effects in speech band importance
AuD Clinical Research Project
Utah State University

Undergraduate:

Student: Cassie Bovee
Undergraduate Honors Project: "Understanding Speech in Noise by Children with Autism Spectrum Disorder"
Utah State University

Student: Jordan Vasko
Undergraduate Honors Thesis: "Parameter selection for segregating speech from background noise"
The Ohio State University
Winner: 2015 Janet Weisenberger Writing Award
Winner: 2015 Denman Undergraduate Research Forum

COURSES TAUGHT

The Ohio State University

Research Methods I, SPHS 5785
Anatomy, Physiology, and Science of Hearing, SPHS 4440
Introduction to the Art and Science of Sound, SPHS 3340
Introduction to Hearing Science, SPHS 440
Bio-Acoustics, SPHS 340
Ohio State Teaching Orientation, Facilitator

Utah State University

Clinical Research Project (Research Round Table), COMD 7870
Medical Aspects of Audiology, COMD 7490
Psychoacoustics and Instrumentation, COMD 7310

Basic Audiology, COMD 3700
Acoustics and Anatomy of the Ear, COMD 3400

TEACHING AND PROFESSIONAL ADVANCEMENT

Proposal Writing Institute, Utah State University
Summer, 2017

ETE: Empowering Teaching Excellence, Utah State University
2017 Faculty Conference
Fall, 2017

ETE: Empowering Teaching Excellence, Utah State University
Foundations of USU Teaching Workshop
Fall, 2016

Writing Winning Grant Proposals Workshop, Utah State University
Fall, 2016

MEMBERSHIP IN PROFESSIONAL ORGNIZATIONS AND SCIENTIFIC SOCIETIES

American Speech-Language-Hearing Association, Member, 2018-Present

IEEE Engineering in Medicine and Biology Society, Member, 2018-2021

Psychonomics, Member, 2017-2020

American Auditory Society, Member, 2011-Present

Acoustical Society of America, 2009-Present, Elected Full Member 2018

Ohio State University Center for Cognitive and Brain Sciences, Member, 2013-2016; 2023-Present

National Student Speech-Language-Hearing Association, Member, 2008-2016

PROFESSIONAL SERVICE

National/International

Editorial Board Member, Journal of Speech, Language, and Hearing Research 2019-2020 (Appointed)

Member, Women in Acoustics Committee, Acoustical Society of America 2019-2022 (Appointed)

Ad Hoc Reviewer:

Journal of the Acoustical Society of America
Journal of Speech, Language, and Hearing Research
Trends in Hearing
Speech Communication
Ear and Hearing

2019 ASHA Convention Topic Committee Member for Speech and Language Science

Fellowship Reviewer, National Science Foundation

Conference Committee, American Auditory Society, 2018

University

Judge, USU Student Research Symposium, Utah State University, 2017

Judge, Denman Undergraduate Research Forum, The Ohio State University, 2015

Neuroscience PhD Program, Member, 2016-Present

USU Honors Program Admissions Reviewer, 2018-Present

Judge, USU Student Research Symposium, Utah State University, 2018

College

Safety Committee, Emma Eccles Jones College of Education and Human Services, Utah State University, Member, 2016-2021

Disability Disciplines PhD Program, Emma Eccles Jones College of Education and Human Services, Utah State University, Member, 2016-2021

College of Social and Behavioral Sciences Curriculum Committee, The Ohio State University, Member, 2008-2009

Department

Member, COMDDE College Awards Nominating Committee, Department of Communicative Disorders and Deaf Education, 2020

Chair, Search Committee, Audiology Research Faculty Position, Department of Communicative Disorders and Deaf Education, 2019

Member, Search Committee, Speech-Language Pathology Faculty Position, Department of Communicative Disorders and Deaf Education, 2019

Member, Search Committee, Clinical Audiology Educator, Department of Communicative Disorders and Deaf Education, 2018

Member, Search Committee, Business Assistant II, Department of Communicative Disorders and Deaf Education, 2018

Organizer, Audiology Poster Symposium, USU/ISU/UofU, 2018

Organizer, USU COMDDE PhD Information Session, 2017

Audiology Program Preliminary Exam Organizer, Department of Communicative Disorders and Deaf Education, Utah State University, 2016-Present

Audiology Community Symposium Series Co-Organizer*, "Listen Up, Cache Valley",* Department of Communicative Disorders and Deaf Education, Utah State University, 2017-2018

Undergraduate Curriculum Committee Member, Department of Communicative Disorders and Deaf Education, Utah State University, 2017-2021

Member, Audiology Graduate Admissions Search Committee, 2016-2021

POPULAR SCIENCE ARTICLES

"Deep learning reinvents the hearing aid." 6 Dec. 2016, *IEEE Spectrum*. http://spectrum.ieee.org/consumer-electronics/audiovideo/deep-learning-reinvents-the-hearing-aid

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