

## CURRICULUM VITAE OF SARAH HARGUS FERGUSON

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### EDUCATION

- 2002 Ph.D., Audiology and Cognitive Science, Indiana University  
Dissertation: *Vowels in Clear and Conversational Speech: Talker Differences in Acoustic Features and Intelligibility for Normal-Hearing Listeners*
- 1993 M.A., Audiology, University of Maryland at College Park
- 1990 B.A., Hearing and Speech Sciences, University of Maryland at College Park

### PROFESSIONAL EXPERIENCE

- 2014- Associate Professor, Department of Communication Sciences and Disorders, University of Utah
- 2010-2014 Assistant Professor, Department of Communication Sciences and Disorders, University of Utah
- 2010 Research Associate, Schiefelbusch Institute of Life Span Studies, University of Kansas
- 2002-2010 Assistant Professor, Department of Speech-Language-Hearing: Sciences and Disorders, University of Kansas
- 2001 Associate Instructor, Department of Speech and Hearing Sciences, Indiana University
- 1999-2000 Supervising Audiologist, Benton-IU Project, Department of Speech and Hearing Sciences, Indiana University
- 1998-2002 Research Assistant, Speech Psychophysics Laboratory, Department of Speech and Hearing Sciences, Indiana University
- 1995-1997 Research and Clinical Audiologist, Division of Otolaryngology, Department of Surgery, University of Maryland Medical Center
- 1994-1995 Research and Clinical Audiologist, Department of Otorhinolaryngology and Communicative Sciences, Medical University of South Carolina

### PROFESSIONAL CREDENTIALS AND AFFILIATIONS

- 2020-present Member, Cognitive Linguistic Aficionado Research Group, University of Utah
- 2013-present Research Associate, Utah Center for Vocology (formerly National Center for Voice and Speech), University of Utah
- 2010-present Member, Center on Aging, University of Utah
- 2005-2010 Associate, Gerontology Program, University of Kansas
- 1995-present Certificate of Clinical Competence in Audiology, American Speech-Language-Hearing Association

## PROFESSIONAL MEMBERSHIPS

Academy of Rehabilitative Audiology

Acoustical Society of America

American Speech-Language-Hearing Association

\* Award for Continuing Education, 2006-2015

ASHA Special Interest Group 7, Auditory Rehabilitation (formerly Aural Rehabilitation and Its Instrumentation)

ASHA Special Interest Group 19, Speech Science

## RESEARCH HONORS AND AWARDS

- |           |  |
|-----------|--|
| 2016      | Research Mentoring-Pair Travel Award, American Speech-Language-Hearing Association   |
| 2010      | Article appearing in <i>Journal of the American Academy of Audiology</i> (Ferguson et al., 2010) selected for inclusion in the JAAA CEU program  |
| 2008      | “ASHF-RSAC Grant Review and Reviewer Training Program” Travel Fellowship, American Speech-Language-Hearing Foundation and American Speech-Language-Hearing Association Research and Scientific Affairs Committee |
| 2007      | Article appearing in <i>Journal of Speech, Language, and Hearing Research</i> (Ferguson & Kewley-Port, 2007) selected for inclusion in the American Speech-Language-Hearing Association eLearning program        |
| 2007-2008 | National Institutes of Health Extramural Loan Repayment Program for Clinical Research, Competitive Renewal   |
| 2005-2007 | National Institutes of Health Extramural Loan Repayment Program for Clinical Research  |
| 2005      | “Lessons for Success” Workshop Travel Fellowship, American Speech-Language-Hearing Association   |
| 2004      | “Second Clinical Research Conference” Travel Fellowship, Deafness Research Foundation  |
| 2001      | “New Frontiers in the Amelioration of Hearing Loss” Travel Fellowship, Central Institute for the Deaf  |
| 2000      | International Hearing Aid Research Conference Travel Fellowship  |

## RESEARCH GRANTS

### IN PREPARATION

Investigator, National Institutes of Health (NIDCD) R01 Research Project Grant: *Vocal Effort and Vocal Health*, PI: Eric Hunter (subcontract total ≈ \$500,000). Revision in preparation for submission March 5, 2023.

Investigator, National Institutes of Health Small Business Innovation Research (SBIR) Phase II Grant: *Clinical Study of Perception Using a Microphone with Built-In Speaker for Non-Invasively Ventilated ICU Patients*, PI: Lara Brewer. In preparation for submission Fall 2023.

## UNDER REVIEW

Consultant, National Science Foundation Grant: *Variability in Speech Production: The Role of Feature Cues in Production Planning*, PI: Brett Myers, 1/1/23-12/31/25 (award total: \$138,525). Submitted August 1, 2022.

## FUNDED

Co-Investigator, National Institutes of Health (NIDCD) Early Career Research Award (R21): *Understanding the effects of listening effort on sentence processing and memory in sensorineural hearing loss: Evidence from simultaneous electrophysiology and pupillometry*, PI: Brennan Payne, 12/1/21-11/30/24 (award total: \$300,000).

Co-Investigator, University of Utah Center on Aging Pilot Grant Program: *Neurocognitive Effects of Listening Effort in Age-Related Sensorineural Hearing Loss*, PI: Brennan Payne, 7/1/20-6/30/21 (award total: \$17,250). Extended to 6/30/22.

Consultant, National Institutes of Health Small Business Innovation Research (SBIR) Phase I Grant: *Feasibility Testing of a Microphone System to Facilitate Patient Communication During Noninvasive Ventilation*, PI: Lara Brewer, 7/1/20-6/30/21 (award total: \$224,224). Extended to 03/31/22.

Consultant, National Institutes of Health (NIGMS) Support of Competitive Research (SCORE) Pilot Project Award (SC2): *Rhythmic Entrainment in Bilingual Speakers with Dysarthria*, PI: Alison Behrman, 2017-2020 (Award total: \$300,000).

Team member, American Speech-Language-Hearing Foundation 2016 Clinical Research Grant: *The Clear Speech Benefit in Spanish-Accented Speakers of American English*, PI: Alison Behrman, 2016-2017 (Award total: \$50,000).

Investigator, National Institutes of Health (NIDCD) R01 Research Project Grant: *Gender Differences and Speech Accommodation in Occupational Settings*, PI: Eric J. Hunter, 2013-2018 (Award total: \$2,753,900.00).

Principal Investigator, University of Kansas General Research Fund Award: *Intelligibility of Foreign-Accented Speech in Noise*, 2008-2009 (Award total: \$1,790.40).

Principal Investigator, National Institutes of Health R03 Small Grant Award (DC008886): *Acoustic Correlates of Clear speech*, 2007-2010 (Award total: \$320,641).

Principal Investigator, American Speech-Language-Hearing Association Advancing Academic-Research Careers (AARC) Award, 2004- 2005 (Award total: \$5,000).

Principal Investigator, University of Kansas New Faculty Research Fund Award: *Talker Differences in Clear and Conversational Speech Intelligibility for Elderly Hearing-Impaired Listeners*, 2003 –2004 (Award total: \$7,700).

Principal Investigator, American Speech-Language-Hearing Foundation Student Research Award in Audiology: *Vowels in Clear and Conversational Speech*, 1999 (Award total: \$2,000).

## PUBLICATIONS

### INVITED ARTICLES

Morgan, S.D., **Ferguson, S.H.**, Jennings, S.G., & Crain, A.D. (2022). Perceived anger in clear and conversational speech: Contributions of age and hearing loss. *Brain Sciences*, 12(2), 210. <https://www.mdpi.com/2076-3425/12/2/210>.

## REFEREED ARTICLES

- Crandell, H.A., Silcox, J.W., **Ferguson, S.H.**, Lohani, M., & Payne, B.R. (2022). The effects of captioning errors, background noise, and hearing loss on memory for text-captioned speech. *Journal of Speech, Language, and Hearing Research*.  
[https://doi.org/doi:10.1044/2022\\_JSLHR-21-00416](https://doi.org/doi:10.1044/2022_JSLHR-21-00416)
- Stehr, D.A., Hickok, G., **Ferguson, S.H.**, & Grossman, E.D. (2021). Examining vocal attractiveness through measures of articulatory working space. *Journal of the Acoustical Society of America*, 150, 1548-1564. doi: 10.1121/10.0005730
- Payne, B.R., Silcox, J., Lash, A., **Ferguson, S.H.**, & Lohani, M. (2021). Text captioning buffers against the effects of background noise and hearing loss on memory for speech. *Ear and Hearing*, 43, 115-127. doi: 10.1097/AUD.0000000000001079
- Schilaty, S., **Ferguson, S.H.**, Morgan, S.D., & Champougny, C. (2021). Intelligibility of British English for American younger and older adults with and without hearing loss. *Journal of the American Academy of Audiology*, 32, 10-15. doi: 10.1055/s-0040-1719094
- Behrman, A., **Ferguson, S.H.**, & Flom, P. (2020). The effects of clear speech on American English listener perception of Spanish-accented and native English speech. *Perspectives of the ASHA Special Interest Groups*, 5, 1698-1709.  
[https://doi.org/10.1044/2020\\_PERSP-19-00171](https://doi.org/10.1044/2020_PERSP-19-00171)
- Johnson, E., Morgan, S., & **Ferguson, S.H.** (2020). Does time compression decrease intelligibility for female talkers more than for male talkers? *Journal of Speech, Language, and Hearing Research*, 63, 1083-1092. doi: 10.1044/2020\_JSLHR-19-00301
- Behrman, A., **Ferguson, S.H.**, & Moeyart, M. (2019). The effect of clear speech on temporal metrics of rhythm in Spanish-accented speakers of English. *Language and Speech*, 62, 5-29. doi: 10.1177/0023830917737109
- Ferguson, S.H.**, & Morgan, S.D. (2018). Acoustic and perceptual correlates of subjectively rated sentence clarity in clear and conversational speech. *Journal of Speech, Language, and Hearing Research*, 61, 159-173. doi:10.1044/2017\_JSLHR-H-17-0082
- Morgan, S. D., & **Ferguson, S. H.** (2017). Judgments of emotion in clear and conversational speech by young adults with normal hearing and older adults with hearing impairment. *Journal of Speech, Language, and Hearing Research*, 60, 2271-2280.  
doi:10.1044/201\_JSLHR-H-16-0264
- Hunter, E.J., & **Ferguson, S.H.** (2017). Listener judgments of age in a single-talker, 50-year longitudinal sample. *Journal of Communication Disorders*, 68, 103-112.  
<https://doi.org/10.1121/1.4799012>
- Hunter, E.J., **Ferguson, S.H.**, & Newman, C.A. (2015). Listener estimations of talker age: A meta-analysis of the literature. *Logopedics Phoniatrics Vocology*, 41, 101-105.  
<https://doi.org/10.3109/14015439.2015.1009160>
- Jensen, R.C., & **Ferguson, S.H.** (2015). Music perception in adult users of cochlear implants: A brief review. *Perspectives on Aural Rehabilitation and Its Instrumentation*, 22, 4-11.  
<https://doi.org/10.1044/arii22.1.4>
- Ferguson, S.H.**, & Quené, H. (2014). Acoustic correlates of vowel intelligibility in clear and conversational speech for young normal-hearing and elderly hearing-impaired listeners. *Journal of the Acoustical Society of America*, 135, 3570-3584.  
<https://doi.org/10.1121/1.4874596>
- Oder, A., Clopper, C.G., & **Ferguson, S.H.** (2013). Effects of dialect on vowel acoustics and intelligibility. *Journal of the International Phonetic Association*, 43, 23-35.  
<https://doi.org/10.1017/S0025100312000333>

- Lobdell, A., Dansie, J., & **Ferguson, S.H.** (2013). Building a cochlear implant practice: Five lessons learned. *Perspectives on Aural Rehabilitation and Its Instrumentation*, 20, 14-21. <https://doi.org/10.1044/arii20.1.14>
- LaPierre, T.A., **Ferguson, S.H.**, & Jiregna, M.M. (2012). Hearing loss in late life: How couples cope. *Journal of the Academy of Rehabilitative Audiology*, 45, 75-97.
- Ferguson, S.H.** (2012). Talker differences in clear and conversational speech: Vowel intelligibility for listeners with hearing loss. *Journal of Speech, Language, and Hearing Research*, 55, 779-790. [https://doi.org/10.1044/1092-4388\(2011/10-0342\)](https://doi.org/10.1044/1092-4388(2011/10-0342))
- Ferguson, S.H.**, Poore, M.A., & Shrivastav, R. Acoustic correlates of reported clear speech strategies. (2010). *Journal of the Academy of Rehabilitative Audiology*, 43, 45-64.
- Bent, T., Kewley-Port, D., & **Ferguson, S.H.** (2010). The influence of across-talker differences on non-native listeners' vowel perception. *Journal of the Acoustical Society of America*, 128, 3142-3151. <https://doi.org/10.1121/1.3493428>
- Ferguson, S.H.**, Jongman, A., Sereno, J.A., & Keum, K.A. (2010). Intelligibility of foreign-accented speech for older adults with and without hearing loss. *Journal of the American Academy of Audiology*, 21, 153-162. <https://doi.org/10.3766/jaaa.21.3.3>
- Ferguson, S.H.**, & Kerr, E.E. (2009). Subjective ratings of sentences in clear and conversational speech. *Journal of the Academy of Rehabilitative Audiology*, 42, 51-66.
- Poore, M., & **Ferguson, S.H.** (2008). Methodological variables in choral reading. *Clinical Linguistics and Phonetics*, 22, 13-22. <https://doi.org/10.1080/02699200701601971>
- Ferguson, S.H.**, & Kewley-Port, D. (2007). Talker differences in clear and conversational speech: Acoustic characteristics of vowels. *Journal of Speech, Language, and Hearing Research*, 50, 1241-1255. [https://doi.org/10.1044/1092-4388\(2007/087\)](https://doi.org/10.1044/1092-4388(2007/087))
- Ferguson, S.H.**, & Lee, J. (2006). Vowel intelligibility in clear and conversational speech for cochlear implant users: A preliminary study. *Journal of the Academy of Rehabilitative Audiology*, 39, 1-16.
- Ferguson, S.H.** (2004). Talker differences in clear and conversational speech: Vowel intelligibility for normal-hearing listeners. *Journal of the Acoustical Society of America*, 116, 2365-2373. <https://doi.org/10.1121/1.1788730>
- Ferguson, S.H.**, & Kewley-Port, D. (2002). Vowel intelligibility in clear and conversational speech for normal-hearing and hearing-impaired listeners. *Journal of the Acoustical Society of America*, 112, 259-271. <https://doi.org/10.1121/1.1482078>
- Formby, C.C., Sherlock, L.P., & **Ferguson, S.H.** (2000). Enhancement of the edges of temporal masking functions by complex patterns of overshoot and undershoot. *Journal of the Acoustical Society of America*, 107, 2169-2187. <https://doi.org/10.1121/1.428498>
- Hargus, S.E.**, & Gordon-Salant, S. (1995). Accuracy of speech intelligibility index predictions for noise-masked young listeners with normal hearing and for elderly listeners with hearing impairment. *Journal of Speech and Hearing Research*, 38, 234-243. <https://doi.org/10.1044/jshr.3801.234>

#### MANUSCRIPTS UNDER REVIEW

- Ferguson, S.H.**, Wageck, M., & Young, E.D. What makes clear speech angry? Revision submitted to *Perspectives of the ASHA Special Interest Groups* January 11, 2023.
- Young, E.D, **Ferguson, S.H.**, Brewer, L.M., Schiedermayer, B.F., Brown, S.M., Leither, L.M. Using a novel in-mask non-invasive ventilator microphone to improve talker intelligibility in healthy and hospitalized adults. Submitted to *International Journal of Speech-Language Pathology* December 30, 2022.

## MANUSCRIPTS IN PREPARATION OR REVISION

**Ferguson, S.H.**, Hunter, E.J., & Morgan S.D. Within-session stability of acoustic features of conversational and clear speech. In revision for *Journal of the Acoustical Society of America*.

Booz, J.A., **Ferguson, S.H.**, & Morgan, S.D. Perceived gender in clear and conversational speech. In preparation for *Language and Speech*.

## OTHER RESEARCH PUBLICATIONS

Berardi, M.L., Hunter, E.J., & **Ferguson, S.H.** (2017). Talker age estimation using machine learning. *Proceedings of Meetings on Acoustics*, 30, 040014.

Morgan, S.D., & **Ferguson, S.H.** (2015). Perceived emotional valence in clear and conversational speech. *Proceedings of Meetings on Acoustics*, 21, 060008.

Hunter, E.J., **Ferguson, S.H.**, Mellum, C.A., & Rogers, L.R. (2013). Listener judgments of age in a single-talker 48-year longitudinal sample. *Proceedings of Meetings in Acoustics*, 19, 0060079.

Kain, A., Hosom, J.-P., **Ferguson, S.H.**, & Bush, B. (2011). Creating a speech corpus with semispontaneous, parallel conversational and clear speech. Technical Report CSLU-11-003, Oregon Health & Science University.

## PRESENTATIONS

### INVITED PRESENTATIONS

**Ferguson, S.H.** (2021). *What might make clear speech clear: Lessons learned from the Ferguson Clear Speech Database*. Audiology Grand Rounds Presentation, Department of Communication Sciences and Disorders, University of South Florida.

**Ferguson, S.H.** (2019). *What might make clear speech clear: Lessons learned from the Ferguson Clear Speech Database*. Various versions presented to

- Colloquium, Department of Speech, Language and Hearing Sciences, University of Connecticut, February 6, 2019.
- Research Meeting, Voice Disorders Center, University of Utah, April 22, 2019.
- Audiology Spring Symposium, Department of Communication Sciences and Disorders, University of Utah, April 26, 2019.

Booz, J.A., & **Ferguson, S.H.** (2016, May). *Perceived gender in clear and conversational speech*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.

**Ferguson, S.H.** (2016, May). *Talker gender effects in the Ferguson Clear Speech Database*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.

Hunter, E.J., **Ferguson, S.H.**, Leishman, T., Maxfield, L., Graetzer, S., & Bottalico, P. (2016, May). *Gender differences and speech accommodation in occupational settings*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.

**Ferguson, S.H.** (2014, November). *Vowels and source-filter theory*. Monthly meeting of the National Association of Teachers of Singing, Northern Utah Chapter.

**Ferguson, S.H.**, & Rogers, L.R. (2014, October). *Vowels in clear and conversational speech: Within-talker variability in acoustic characteristics*. 168<sup>th</sup> Meeting of the Acoustical Society of America, Indianapolis, IN.

**Ferguson, S.H.** (2014, April). *Changing statistics, changing stories: A tale of two studies*. Faculty Research Presentation, Department of Linguistics, University of Utah.

- Ferguson, S.H.** (2013, November). *Acoustic and perceptual characteristics of clear speech*. Monthly meeting of the Acoustics Research Group, Brigham Young University.
- Ferguson, S.H.** (2012, September). *The speech signal, hearing loss, and clear speech*. Monthly meeting of the Hearing Loss Association of Salt Lake City.
- Ferguson, S.H.** (2011, May). *Acoustic characteristics of clear speech with relation to perceptual characteristics and reported talker strategies*. Center for Spoken Language Understanding Seminar, Oregon Health & Science University.
- Ferguson, S.H.** (2010, November). *Perception of foreign-accented speech by older adults*. L2 Phonology Seminar, Department of Linguistics, University of Utah.
- Ferguson, S.H.** (2008, March). *Speech understanding in older adults*. "Communication and Related Issues in an Aging Population", the 4<sup>th</sup> annual KUSSHA/KSHA Conference, Lawrence, KS.
- Bent, T., **Ferguson, S.H.**, & Kewley-Port, D. (2007, November). *Listener influences on vowel intelligibility*. 154<sup>th</sup> Meeting of the Acoustical Society of America, New Orleans, LA.

#### COMPETITIVELY REVIEWED PRESENTATIONS

- Ellerston, J., **Ferguson, S.H.**, Young, E., & Hunter, E.J. (2022, June). *Vocal dosage for partners of people with hearing impairment*. The Voice Foundation's 51st Annual Symposium: Care of the Professional Voice, Philadelphia, PA.
- Hunter, E.J., **Ferguson, S.H.**, & Morgan, S.D. (2022, June). *Within-session stability of vocal characteristics during repeated measures and different production styles*. The Voice Foundation's 51st Annual Symposium: Care of the Professional Voice, Philadelphia, PA.
- Young, E.D., Ellerston, J.K., & **Ferguson, S.H.** (2022, May). *The relationship between perceived speech clarity and dysphonia: Preliminary investigation*. 182<sup>nd</sup> Meeting of the Acoustical Society of America, Denver, CO.
- Young, E.D., **Ferguson, S.H.**, Brewer, L.M., Schiedermayer, B., & Reddy, C. (2021, November). *Non-invasive ventilation microphone improves patient intelligibility in healthy young adults*. American Speech-Language-Hearing Association Convention, Washington, DC.
- Banajee, M.H., Cord, L., **Ferguson, S.H.**, & Kirsch, T. (2021, November). *Accreditation and public information*. American Speech-Language-Hearing Association Convention, Washington, DC.
- Wageck, M., **Ferguson, S.H.**, & Young, E.D. (2021, October). *What makes clear speech angry?* Academy of Rehabilitative Audiology Institute, Raleigh, NC.
- Young, E.D., Brewer, L.M., & **Ferguson, S.H.** (2021, March). *Feasibility testing of a microphone system to facilitate patient communication during noninvasive ventilation: Preliminary results*. Utah Speech-Language Hearing Association 2021 Conference, Virtual Conference.
- Young, E.D., & **Ferguson, S.H.** (2020, December). *Talker differences in clear and conversational speech: Perceived emotional valence*. 179<sup>th</sup> Meeting of the Acoustical Society of America, Acoustics Virtually Everywhere.
- Ferguson, S.H.**, Morisak, P.E., Thurston, S., Wilson, K.N., & Hunter, E.J. (2020, December). *Acoustic characteristics of conversational and clear speech produced in quiet and in noise by older adults with hearing loss*. 179<sup>th</sup> Meeting of the Acoustical Society of America, Acoustics Virtually Everywhere.
- van Mersbergen, M., Hunter, E.J., Berardi, M.L., **Ferguson, S.H.**, Whitling, S.V., & Beckham, B. (2020, November). *Vocal effort: The clinician's perspective of patient experience*.

- Proposal accepted at the American Speech-Language-Hearing Association Convention, San Diego, CA (Convention canceled).
- Young, E.D., & **Ferguson, S.H.** (2020, November). *Talker differences in clear and conversational speech: Perceived emotional valence*. Proposal accepted at the American Speech-Language-Hearing Association Convention, San Diego, CA (Convention canceled).
- Hunter, E.J., **Ferguson, S.H.**, & Cantor-Cutiva, L.C. (2019, December). *Two case studies of perceived age, perceived speech quality, and speech acoustics*. 178<sup>th</sup> Meeting of the Acoustical Society of America, San Diego, CA.
- Hunter, E.J., **Ferguson, S.H.**, & Cantor-Cutiva, L.C. (2019, June). *Perceived age, voice quality, and acoustic metrics: Two case studies of prominent individuals*. The Voice Foundation's 48<sup>th</sup> Annual Symposium: Care of the Professional Voice, Philadelphia, PA.
- Ferguson, S.H.** (2019, May). *What \*can\* make clear speech clear: Lessons learned from the Ferguson Clear Speech Database*. 177<sup>th</sup> Meeting of the Acoustical Society of America, Louisville, KY.
- Behrman, A., **Ferguson, S.H.**, Madsen, C.N., & Jacob, M. (2018, November). *The effect of clear speech on listener perception of nonnative speech*. American Speech-Language-Hearing Association Convention, Boston, MA.
- Hunter, E., & **Ferguson, S.H.** (2018, November). *The aging voice: Perceived age & voice quality*. American Speech-Language-Hearing Association Convention, Boston, MA.
- Payne, B.R., Silcox, J., Lash, A., **Ferguson, S.H.**, & Lohani, M. (2018, November). *Text captioning reduces the effects of perceptual effort on speech memory*. 59<sup>th</sup> Meeting of the Psychonomic Society, New Orleans, LA.
- Payne, B.R., Silcox, J., Lash, A., **Ferguson, S.H.**, & Lohani, M. (2018, September). *Assistive text captioning offsets the effects of background noise on speech memory and pupillometry*. Academy of Rehabilitative Audiology Institute, Pittsburgh, PA.
- Ferguson, S.H.**, Behrman, A., & Madsen, C.N. (2018, September). *The effect of clear speech on listener perception of nonnative speech*. Academy of Rehabilitative Audiology Institute, Pittsburgh, PA.
- Ferguson, S.H.**, Behrman, A., & Staples, J.J. (2018, May). *The effect of clear speech on listener perception of nonnative speech*. 175<sup>th</sup> Meeting of the Acoustical Society of America, Minneapolis, MN.
- Berardi, M.L., Staples, J.J., **Ferguson, S.H.**, & Hunter, E.J. (2018, May). *Speech formant changes due to repeated measurements, instruction, and simulated environments using both automated and manual feature extraction*. 175<sup>th</sup> Meeting of the Acoustical Society of America, Minneapolis, MN.
- Ferguson, S.H.**, Hunter, E.J., & Staples, J.J. (2017, December). *Acoustic features of spontaneous and read conversational and clear speech produced in simulated acoustic environments*. 174<sup>th</sup> Meeting of the Acoustical Society of America, New Orleans, LA.
- Morgan, S.D., **Ferguson, S.H.**, & Hunter, E.J. (2017, June). *Acoustic features and gender differences in clear and conversational speech produced in simulated environments*. 173<sup>rd</sup> Meeting of the Acoustical Society of America, Boston, MA.
- Berardi, M., Hunter, E.J., & **Ferguson, S.H.** (2017, June). *Talker age estimation using machine learning*. 173<sup>rd</sup> Meeting of the Acoustical Society of America, Boston, MA.
- Morgan, S.D., Jennings, S.G., & **Ferguson, S.H.** (2016, September). *Perceived emotion in clear speech: Effects of aging and simulated hearing loss*. Academy of Rehabilitative Audiology Institute, Vancouver, British Columbia, Canada.



- Ferguson, S.H.** (2016, September). *Talker gender effects in the Ferguson Clear Speech Database*. XXXIII World Congress of Audiology, Vancouver, British Columbia.
- Champougny, C., **Ferguson, S.H.**, & Schilaty, S. (2016, May). *Intelligibility of British English for American younger and older adults with and without hearing loss*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Johnson, E.M., & **Ferguson, S.H.** (2016, May). *Gender and rate effects on speech intelligibility*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Morgan, S.D., Jennings, S.G., & **Ferguson, S.H.** (2016, May). *Perceived anger in clear speech: Effect of simulated hearing loss*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Efremenkova, L., Behrman, A., & **Ferguson, S.H.** (2015, November). *Effect of clear speech on vowel intelligibility spoken by Spanish-accented speakers of American English*. American Speech-Language-Hearing Association Convention, Denver, CO.
- Huberman, L., Volney, D., Behrman, A., & **Ferguson, S.H.** (2015, November). *Does clear speech enhance intelligibility of Spanish-accented speakers of American English?*. American Speech-Language-Hearing Association Convention, Denver, CO.
- Morgan, S.D., & **Ferguson, S.H.** (2015, November). *Perceived emotion in clear speech: Older adults with hearing loss*. American Speech-Language-Hearing Association Convention, Denver, CO.
- Ferguson, S.H.**, & Morgan, S.D. (2015, November). *Acoustic and perceptual correlates of subjectively rated sentence clarity in clear and conversational speech*. 170<sup>th</sup> Meeting of the Acoustical Society of America, Jacksonville, FL.
- Morgan, S.D., & **Ferguson, S.H.** (2015, May). *Perceived emotional valence in clear and conversational speech for older adults with hearing loss*. 169<sup>th</sup> Meeting of the Acoustical Society of America, Pittsburgh, PA.
- Ferguson, S.H.**, Morgan, S.D., Rogers, L.R., & Hunter, E.J. (2014, May). *Within-session stability of acoustic features of conversational and clear speech*. 167<sup>th</sup> Meeting of the Acoustical Society of America, Providence, RI.
- Morgan, S.D., & **Ferguson, S.H.**, (2014, May). *Perceived emotional valence in clear and conversational speech*. 167<sup>th</sup> Meeting of the Acoustical Society of America, Providence, RI.
- Ferguson, S.H.**, Hunter, E.J., Mellum, C.A., & Rogers, L.R. (2013, June). *Listener judgments of age in a single-talker 48-year longitudinal sample*. Aging and Speech Communication: An International and Interdisciplinary Conference, Bloomington, IN.
- Ferguson, S.H.**, Hunter, E.J., Mellum, C.A., & Rogers, L.R. (2013, June). *Listener judgments of age in a single-talker 48-year longitudinal sample*. 21<sup>st</sup> International Congress on Acoustics/165<sup>th</sup> Meeting of the Acoustical Society of America, Montreal, Canada.
- Ferguson, S.H.**, & Quené, H. (2012, October). *Acoustic correlates of vowel intelligibility in clear and conversational speech for young normal-hearing and elderly hearing-impaired listeners*. 164<sup>th</sup> Meeting of the Acoustical Society of America, Kansas City, MO.
- Ferguson, S.H.** (2012, September). *Talker differences in clear and conversational speech: Subjective ratings of sentence clarity*. Academy of Rehabilitative Audiology Institute, Providence, RI.
- Ferguson, S.H.**, Widener, T.D., & Mackey, T. (2011, May). *Effects of talker experience on perceived clarity and acoustic features of clear versus conversational speech*. 161<sup>st</sup> Meeting of the Acoustical Society of America, Seattle, WA.

- LaPierre, T.A., **Ferguson, S.H.**, & Jiregna, M.M. (2010, November). *How couples cope with hearing loss in later life: Lessons learned from a qualitative pilot study*. Gerontological Society of American Annual Meeting, New Orleans, LA.
- Ferguson, S.H.**, & Kewley-Port, D. (2010, September). *The role of duration in the clear speech vowel intelligibility benefit*. 44<sup>th</sup> Academy of Rehabilitative Audiology Institute, San Francisco, CA.
- Ferguson, S.H.** (2010, April). *Acoustic correlates of clear speech vowel intelligibility for elderly hearing-impaired listeners*. 159<sup>th</sup> Meeting of the Acoustical Society of America, Baltimore, MD.
- Ferguson, S.H.** (2009, November). *Perception of foreign-accented speech by older adults*. American Speech-Language-Hearing Association Convention, New Orleans, LA.
- Baldwin, A.B., **Ferguson, S.H.**, & Williams, K. (2009, October). *Subjective ratings of foreign-accented speech by older and younger adults*. Aging and Speech Communication: An International and Interdisciplinary Conference, Bloomington, IN.
- Ferguson, S.H.** (2009, October). *Acoustic correlates of clear speech vowel intelligibility for elderly hearing-impaired listeners*. Aging and Speech Communication: An International and Interdisciplinary Conference, Bloomington, IN.
- Ferguson, S.H.** (2009, September). *What makes clear vowels clear for normal-hearing and hearing-impaired listeners*. 43<sup>rd</sup> Academy of Rehabilitative Audiology Institute, Bettendorf, IA.
- Ferguson, S.H.**, Keum, K.A., Jongman, A., & Sereno, J.A. (2009, May). *Intelligibility of foreign-accented speech in noise for younger and older adults*. 157<sup>th</sup> Meeting of the Acoustical Society of America, Portland, OR.
- Munson, B, **Ferguson, S.H.**, & Connealy, C.L.. (2009, May). *Perceived sexual orientation and speech style: A perceptual and acoustic analysis of intentionally clear and conversational speech*. 157<sup>th</sup> Meeting of the Acoustical Society of America, Portland, OR.
- Oder, A.L., **Ferguson, S.H.**, & Clopper, C.G. (2009, May). *Effects of dialect on vowel acoustics and intelligibility*. 157<sup>th</sup> Meeting of the Acoustical Society of America, Portland, OR.
- Ferguson, S.H.**, & Kerr, E.E. (2008, November). *Subjective ratings of clear versus conversational speech*. 156<sup>th</sup> Meeting of the Acoustical Society of America, Miami, FL.
- Misgana, M.C., LaPierre, T.A., & **Ferguson, S.H.** (2008, September). *The Impact of Hearing Loss on Marital Relationships in Late Life*. 42<sup>nd</sup> Academy of Rehabilitative Audiology Institute, Portland, OR.
- Ferguson, S.H.**, Poore, M.A., & Shrivastav, R. (2007, June). *Acoustic correlates of talker-reported clear speech strategies*. 153<sup>rd</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Ferguson, S.H.**, Jongman, A., & Sereno, J.A. (2006, October). *Intelligibility of foreign-accented speech in older adults*. 40<sup>th</sup> Annual Academy of Rehabilitative Audiology Institute, Louisville, KY.
- Ferguson, S.H.**, Jongman, A., & Sereno, J.A. (2005, October). *Intelligibility of foreign-accented speech: Effects of listening condition, talker age, and talker hearing status*. 150<sup>th</sup> Meeting of the Acoustical Society of America, Minneapolis, MN.
- Ferguson, S.H.** (2005, October). *Identification of vowels in clear and conversational speech by elderly hearing-impaired listeners*. Aging and Speech Communication: An International and Interdisciplinary Conference, Bloomington, IN.
- Ferguson, S.H.** (2005, September). *Talker factors in everyday speech understanding*. Kansas Speech-Language-Hearing Association Annual Conference, Overland Park, KS.

- Ferguson, S.H.** (2004, November). *Talker differences in clear and conversational speech: Preliminary data with monosyllabic words* 148<sup>th</sup> Meeting of the Acoustical Society of America, San Diego, CA.
- Poore, M.A., & **Ferguson, S.H.** (2004, November). *Acoustic modifications in choral reading.* 148<sup>th</sup> Meeting of the Acoustical Society of America, San Diego, CA.
- Ferguson, S.H.** (2004, August). *Vowels in clear and conversational speech: Talker differences in intelligibility for elderly hearing-impaired listeners.* International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
- Ferguson, S.H., & Kewley-Port, D.** (2003, June). *Talker differences in clear and conversational speech: Acoustic correlates of reported clear speech strategies.* 37th Annual Academy of Rehabilitative Audiology Summer Institute, Kerrville, TX.
- Ferguson, S.H., & Kewley-Port, D.** (2002, June). *Vowels in clear and conversational speech: Talker differences in acoustic characteristics and intelligibility for normal-hearing listeners.* 143<sup>rd</sup> Meeting of the Acoustical Society of America, Pittsburgh, PA.
- Ferguson, S.H., Kewley-Port, D., & Brown, A.P.** (2001, June). *Acoustic properties underlying vowel intelligibility in words with mixed consonantal contexts.* 141<sup>st</sup> Meeting of the Acoustical Society of America, Chicago, IL.
- Ferguson, S.H., Kewley-Port, D., & Brown, A.P.** (2001, March). *Vowels in clear and conversational speech: Identification performance in elderly hearing-impaired listeners with vowels in mixed consonantal contexts.* New Frontiers In the Amelioration of Hearing Loss, Central Institute for the Deaf , St. Louis, MO.
- Ferguson, S.H., Kewley-Port, D., & Humes, L.E.** (2000, August). *Effects of hearing loss and linear amplification on the relative importance of acoustic cues.* International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA.
- Ferguson, S.H., Kewley-Port, D., & Humes, L.E.** (2000, February). *Vowels in clear and conversational speech: Effects of amplification on the relative importance of acoustic cues to vowel intelligibility.* 23<sup>rd</sup> Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.
- Ferguson, S.H., & Kewley-Port, D.** (1999, November). *Vowel intelligibility in clear and conversational speech.* 138<sup>th</sup> Meeting of the Acoustical Society of America, Columbus, OH.
- Formby, C., Heinz, M.G., **Ferguson, S.H., & Sherlock, L.P.** (1998, February). *Temporal over- and under-shoot effects accentuate temporal edges at onset and offset of a narrowband masker.* 21<sup>st</sup> Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.
- Formby, C., **Ferguson, S.H., & Heinz, M.G.** (1997, December). *Auditory temporal microstructure: Evidence of under- and over-shoot at onset and offset of a narrowband noise masker measured in an off-frequency masked detection task.* 134<sup>th</sup> Meeting of the Acoustical Society of America, San Diego, CA.
- Ferguson, S.H., Formby, C.C., & Abouchacra, K.S.** (1997, February). *Measures of simultaneous and nonsimultaneous masking in elderly listeners with presbycusis or with noise-induced hearing loss.* 20<sup>th</sup> Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.
- Formby, C., Forrest, T.G., Heinz, M.G., **Hargus, S.E., & Zeiders, J.W.** (1996, May). *Toward a simple resolution of the temporal resolution/temporal integration paradox.* 131<sup>st</sup> Meeting of the Acoustical Society of America, Indianapolis, IN.
- Formby, C., Heinz, M.G., **Hargus, S.E., Forrest, T.G., & Zeiders, J.W.** (1996, February). *Temporal integration and acuity time constants estimated from detection of brief band-*

- limited increments within a broadband noise signal*. 19th Midwinter Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.
- Formby, C., Heinz, M.G., **Hargus, S.E.**, & Zeiders, J.W. (1995, November). *Detection and temporal integration of brief band-limited increments and decrements within a broadband noise signal*. 130<sup>th</sup> Meeting of the Acoustical Society of America, St. Louis, MO.
- Hargus, S. E.**, & Gordon-Salant, S. (1994, November). *Speech intelligibility index predictions for elderly and noise-masked young listeners*. American Speech-Language-Hearing Association Convention, New Orleans, LA.

#### OTHER RESEARCH PRESENTATIONS

- Ferguson, S.H.** (2022, October). *Perceived Gender in Clear and Conversational Speech*. Ph.D. ProSeminar, Department of Communication Sciences and Disorders, University of Utah.
- Ferguson, S.H.** (2022, March). *Within-talker stability of acoustic characteristics of conversational and clear speech*. Ph.D. ProSeminar, Department of Communication Sciences and Disorders, University of Utah.
- Ferguson, S.H.** (2019-2020). *What might make clear speech clear: Lessons learned from the Ferguson Clear Speech Database*. Various versions presented to
- Ph.D. ProSeminar, Department of Communication Sciences and Disorders, University of Utah, March 20, 2020.
  - Department of Communicative Sciences & Disorders, Michigan State University, April 5, 2019.
  - Brown Bag Seminar, Department of Speech, Language, & Hearing Sciences, Purdue University, April 1, 2019.
  - Staff Talk, Haskins Laboratories, February 7, 2019.
  - Meeting, laboratory of Douglas H. Whalen, Program in Speech-Language-Hearing Sciences, City University of New York Graduate Center, January 29, 2019.
- Ferguson, S.H.** (2019, March). *What might make clear speech clear: Lessons learned from the Ferguson Clear Speech Database*. Presented as part of a Learning Module titled “Communication Partners and AR” at the 31<sup>st</sup> Annual Conference of the American Academy of Audiology, Columbus, OH.
- Ferguson, S.H.**, & Morgan, S.D. (2015, September). *Presenting speech in noise*. CrossTalk Toolbox session, University of Utah.
- Morgan, S.D., & **Ferguson, S.H.**, (2015, April). *Perceived emotion in clear speech for individuals with hearing loss*. University of Utah Center Student Conference in Linguistics.
- Morgan, S.D., & **Ferguson, S.H.**, (2015, April). *Perceived emotional valence in clear and conversational speech for older adults with hearing loss*. University of Utah Center on Aging 9<sup>th</sup> Annual Research Retreat.
- Graetzer, S., Hunter, E.J., Maxfield, L., **Ferguson, S.H.**, & Duraes, T. (2014, October). *Sex differences in pulmonary and vocal health: Relating pulmonary function to self-report assessments of vocal fatigue for a group of occupational voice users*. 3rd Annual MSU Conference on Women’s Health Research. MSU: East Lansing, MI.
- Ferguson, S.H.** (2014, October). Presentation at research mixer, Consortium for Families and Health Research, University of Utah.
- Ferguson, S.H.**, Morgan, S.D., Rogers, L.R., & Hunter, E.J. (2014, September). *Gender Differences in Speech: Within-session stability of acoustic features of conversational and*

- clear speech for male and female talkers*. InfoFair 2014: Women's Health, Sex & Gender Research Conference, University of Utah Health Sciences Center.
- Maxfield, L., Hunter, E.J., **Ferguson, S.H.**, Graetzer, S., Mellum, C., & Duraes, T. (2014, September). *Gender Differences in Speech: Correlating pulmonary function with symptoms of vocal fatigue among occupational voice users*. InfoFair 2014: Women's Health, Sex & Gender Research Conference, University of Utah Health Sciences Center.
- Ferguson, S.H.**, Hunter, E.J., Mellum, C.A., & Rogers, L.R. (2014, March). *Listener judgments of age in a single-talker 48-year longitudinal sample*. University of Utah Center on Aging 8<sup>th</sup> Annual Research Retreat.
- Ferguson, S.H.** (2013, March). Senior Capstone seminar discussion, Department of Linguistics, University of Utah.
- Ferguson, S.H.** (2011, May). *What makes clear speech clear?* Talk, National Center for Rehabilitative Auditory Research, Portland, OR.
- Ferguson, S.H.** (2009, November). *Perception of foreign-accented speech by older adults*. Child Language Proseminar, Child Language Doctoral Program, University of Kansas.
- Kewley-Port, D., Bent, T., & **Ferguson, S.H.** (2009, September). *Across-talker effects in non-native listeners' vowel perception in noise*. Colloquium, Department of English, Aarhus University.
- Kewley-Port, D., Bent, T., & **Ferguson, S.H.** (2009, August). *Across-talker effects in non-native listeners' vowel perception in noise*. Linguistics Colloquy, Department of Linguistics, University of Kansas.
- Ferguson, S.H.** (2009, July). *Perception of foreign-accented speech by older adults*. Boys Town National Research Hospital – University of Kansas Biennial Conference, Omaha, NE.
- Ferguson, S.H.** (2009, March). *Acoustic correlates of reported clear speech strategies*. Linguistics Colloquy, Department of Linguistics, University of Kansas.
- Ferguson, S.H.** (2007, July). *Acoustic correlates of reported clear speech strategies*. Boys Town National Research Hospital – University of Kansas Biennial Conference, University of Kansas Medical Center.
- Ferguson, S.H.** (2007, March). *Intelligibility of foreign-accented speech in older adults*. Landon Center on Aging Lecture Series, Landon Center on Aging, University of Kansas Medical Center.
- Ferguson, S.H.** (2007, September). *Acoustic and perceptual correlates of reported clear speech strategies*. Child Language Proseminar, Child Language Doctoral Program, University of Kansas.
- Ferguson, S.H.** (2007, September). *Aging in a globalized world: Understanding of foreign-accented speech by older adults*. Gerontology Colloquium, Gerontology Program, University of Kansas.
- Ferguson, S.H.** (2006, February). *Intelligibility of foreign-accented speech in older adults*. Cognitive Psychology Proseminar, Department of Psychology, University of Kansas.
- Ferguson, S.H.** (2006, November). *Gerontology at KU and 'Senior Ears'*. Monthly meeting, Older Women's League, Kaw Valley Chapter.
- Ferguson, S.H.** (2005, December). *Intelligibility of foreign-accented speech in older adults*. Linguistics Colloquy, Department of Linguistics, University of Kansas.
- Ferguson, S.H.** (2005, March). *Talker factors in everyday speech understanding*. Child Language Pro-Seminar, Child Language Doctoral Program, University of Kansas.
- Ferguson, S.H.** (2005, June). *Talker factors in everyday speech understanding*. Boys Town National Research Hospital – University of Kansas Biennial Conference, Omaha, NE.

- Ferguson, S.H.** (2004, April). *What makes clear speech clear?* Cognitive Psychology Proseminar, Department of Psychology, University of Kansas.
- Ferguson, S.H.** (2003, September). *What Makes Clear Speech Clear? And Does This Change with Hearing Loss?* Gerontology Colloquium, Gerontology Program, University of Kansas.

#### **MEDIA COVERAGE**

- Daily Mail, August 31, 2021: “Women Turned on by Macho Men Who Mumble”
- The Times of London, August 31, 2021: “Women seen as more attractive if they speak clearly”
- Lingua Franca (The Chronicle of Higher Education), June 8, 2016: “Just Like a Woman.”
- The Guardian, May 26, 2016: “Do British accents become unintelligible to Americans as they get older?”
- The Scope (University of Utah Health Sciences Radio), April 20, 2015: “The Science of Speaking Clearly.”
- Newswise, May 6, 2014. “Stop Shouting at Me: Why Clear Speech Can Sound Angry.”

#### **WORKSHOPS AND TUTORIALS**

- Ferguson, S.H.** (2017, June). *The speech signal, hearing loss, and clear speech.* Hearing Loss Association of America Convention, Salt Lake City, UT.
- Ferguson, S.H.** (2007, September). *Looking back.* Department of Speech-Language-Hearing Graduate Student Brown Bag Discussion Group, University of Kansas.
- Ferguson, S.H.** (2007, June). Invited discussant in the Women In Acoustics Committee’s *Mentoring Roundtable*. 153<sup>rd</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Ferguson, S.H.** (2006, November). Undergraduate Honors Program Seminar, Department of Speech-Language-Hearing: Sciences and Disorders, University of Kansas.
- Ferguson, S.H.** (2005, April). *Maximizing learners’ use of residual hearing.* Department of Special Education SPED 844 Advanced Methods, University of Kansas.
- Ferguson, S.H.** (2004, November). Presentation at the Gerontology Proseminar, University of Kansas.

#### **INVITED TEACHING PRESENTATIONS**

- Ferguson, S.H.** (2005, March). *Dealing with the drag: Sustaining a course at the end of the semester.* Lunch and Conversation, Center for Teaching Excellence, University of Kansas.
- Ferguson, S.H.** (2004, October). *Grading efficiently.* Workshop, Center for Teaching Excellence, University of Kansas.
- Ferguson, S.H.** (2003, August). *Structuring your course for student learning.* New Graduate Teaching Assistant Conference, Center for Teaching Excellence, University of Kansas.

#### **TEACHING HONORS & AWARDS**

- |      |   |
|------|---|
| 2014 | Recognition during “Excellence in Education Week,” University of Utah Latter-day Saint Student Association  |
| 2008 | Excellence in Undergraduate Teaching, University of Kansas Center for Teaching Excellence (nominated by Speech-Language-Hearing undergraduate students) |

## TEACHING AND OTHER GRANTS

Co-Principal Investigator, Dr. Ezekiel R. & Edna Wattis Foundation Grant to support purchase of equipment for University of Utah Speech-Language-Hearing Clinic, 2016 (Award total: \$50,000.00)

University of Kansas Center for Teaching Excellence Grant: *Developing video materials for SPLH 698*, 2004. (Award total: \$150)

## RECENT TEACHING-RELATED PROFESSIONAL DEVELOPMENT

May 2021: “Innovations in Teaching and Learning: Speech, Language, and Hearing Sciences”, American Speech-Language-Hearing Association

August 2020: Webinars, Center for Teaching and Learning Excellence, University of Utah:

- Privacy Rights and Security in a Virtual Classroom
- Anti-Racism in Higher Education
- Attending School During a Pandemic: Student Concerns & Why Instructors Should Care
- Mindfulness in Any Classroom
- Thriving During a Pandemic: Avoiding Burnout, Practicing Self-care, and Managing Emotional Fatigue

July 2020: Bootcamp on Hybrid Classrooms, Center for Teaching and Learning Excellence, University of Utah (10 sessions)

## COURSES TAUGHT

### *At the University of Utah*

2022-	CSD 7420 <i>Psychoacoustics and Instrumentation</i> , Au.D. required
2018-	CSD 2200 <i>The Physics of Speech and Hearing</i> , undergraduate required
2017	CSD 4300 <i>Speech Science</i> , undergraduate required
2012-2021	CSD 4500 <i>Introduction to Audiology</i> (previously named <i>Hearing Disorders and Evaluation</i> ), undergraduate required
2011-	CSD 6510 <i>Principles of Audiological Assessment I</i> (previously named <i>Behavioral Audiological Assessment I</i> ), Au.D. required
2011- 2016	CSD 7640 <i>Cochlear Implants</i> , Au.D. required
2011-	CSD 7845 <i>Speech Perception</i> , Au.D. required
2011	CSD 7420 <i>Psychoacoustics and Instrumentation</i> , Au.D. required
2010	CSD 6650 <i>Advanced Anatomy and Physiology of Audition</i> , Au.D. required

### *At the University of Kansas*

2008	AUD 816 <i>Speech Perception</i> , Au.D. required
2007-2009	AUD 813 <i>Psychoacoustics and Theories of Hearing</i> , Au.D. required
2006	AUD 940 <i>Seminar in Speech Perception</i> , Au.D. required
2005-2009	SPLH 668 <i>Introduction to Audiological Assessment and Rehabilitation</i> , undergraduate required
2003-2010	SPLH 120 <i>The Physics of Speech</i> , undergraduate required
2003-2005	SPLH 698 <i>Aural Rehabilitation</i> , undergraduate required
2003-2004	SPLH 868 <i>Professional Seminar in Speech-Language Pathology</i> , M.A. required
2002-2004	SPLH 669 <i>Audiology I</i> , undergraduate required

*At Indiana University*

2001            S378/S678 *Introduction to Psychoacoustics*, undergraduate elective, M.A.  
required

**STUDENT MENTORING**

**DOCTORAL STUDENTS**

Primary Mentor

Elizabeth D. Young, University of Utah, 2019-

Shae D. Morgan, University of Utah, 2013-2018

Kyung Ae Keum, Intercampus Program in Communication Disorders, University of Kansas,  
2005-2010 (left program ABD)

Capstone Project Supervisor (University of Utah)

Kayleena Faulkner, 2022-2024

Sierra Bennion, 2021-2023

Tara Smalley, 2021-2023

Katie Micheletti, 2021-2022

Aubrey Passey, 2021-2022

Lindsay Erhart, 2019-2021

Madison Wageck, 2019-2021

Sara Thurston, 2018-2020

Kylie Willson, 2018-2020

Marissa Hill, 2017-2019

\*Ashton Crain, 2016-2018

\*Rebecca Labowe, 2016-2018

*\* projects directed by Shae D. Morgan under my supervision*

Jordan Ericksen, 2015-2016

Eric Johnson, 2015-2016

Robert Jensen, 2014-2015

Nina Pryor, 2014-2015

Lydia Rogers, 2014-2015

Kimberly Kuhlman, 2013-2014

Anne Lobdell, 2012

Capstone Project Committee Member (University of Utah)

Alisa McKay, 2019-2021

Genoveva Hurtado, 2019-2020

Hannah Rauch, 2018-2020

Laurel Alstot, 2016-2018

Meghan Williams, 2014-2015

Capstone Project Department Liaison (University of Utah)

Mark Rasmussen, 2020-2022

Nicole Parente, 2019-2021

Brittany Carpenter, 2019-2021



Research Project Supervisor

Amanda Malone, University of Utah, 2012  
Anne Baldwin, University of Kansas, 2008  
Matt Brown, University of Kansas, 2008  
Dana Jacobson, University of Kansas, 2007-2008

Research Experience Supervisor

Jill Freitas, University of Utah, 2011  
Taylor Widen, University of Utah, 2010  
Thomas Tanner Mackey, University of Utah, 2010  
Aaron Schroeder, Intercampus Program in Communication Disorders, University of Kansas, 2003

Committee Member

*At the University of Utah*

Kaitlyn Dwenger, Ph.D. Program in Speech-Language Pathology, Qualifying Examination Committee, 2022; Dissertation Committee 2022-2023.  
Miranda Wright, Ph.D. Program in Speech-Language Pathology, Qualifying Examination Committee, 2022.  
Maia Roberson, Ph.D. Program in Sociology, Research Project Committee, 2015  
Ali Almishaal, Ph.D. Program in Audiology, Advisory Committee, 2013-2017  
Jennifer Shepherd, Doctor of Audiology Program, Research Project Committee, 2010-2011

*At the University of Kansas*

Michaela Kovacova, Doctoral of Musical Arts Program in Piano Performance, Doctoral Committee, 2008-2009  
Dave DeHoogh-Kliwer, Doctor of Musical Arts Program in Choral Conducting, Doctoral Committee, 2008  
Sharon O'Connell Campbell, Doctor of Musical Arts Program in Voice Performance, Doctoral Committee, 2008  
Therese Matthews, Applied Behavioral Science, Dissertation Oral Defense Committee, 2007  
Julius Zilinskas, Doctoral of Musical Arts Program in Marimba Performance, Dissertation Oral Defense Committee, 2007  
Marie Willis, Intercampus Program in Communication Disorders, Doctoral Advisory Committee, 2006-2009  
Heather Roberson, Doctor of Musical Arts Program in Choral Conducting, Doctoral Committee, 2006-2008  
Kazumi Maniwa, Linguistics, Comprehensive Oral Examination Committee, 2006; Dissertation Oral Defense Committee, 2006  
Aaron Schroeder, Intercampus Program in Communication Disorders, Comprehensive Written Exam Committee, 2005; Comprehensive Oral Examination Committee, 2006  
Tiffany Hogan, Intercampus Program in Communication Disorders, Comprehensive Oral Examination Committee, 2004; Dissertation Oral Defense Committee, 2006  
Gerald Whiteside, Intercampus Program in Communication Disorders, Comprehensive Oral Examination Committee, 2004  
Wael Zuraiq, Linguistics, Comprehensive Oral Examination Committee, 2005; Dissertation Oral Defense Committee, 2005

## **MASTERS STUDENTS**

### Thesis Advisor

Elizabeth Young, Speech-Language Pathology, University of Utah, 2020-2021

Jaime Booz, Speech-Language Pathology, University of Utah, 2015-2016

### Research Project Supervisor

Junghae Lee, Audiology, University of Kansas, 2003-2004

### Thesis Committee Member

Anna Pomares, Speech-Language Pathology, University of Utah, 2022-

Brooke Rose, Speech-Language Pathology, University of Utah, 2021-2022

Jackie McCook, Speech-Language Pathology, University of Utah, 2017-2019

Amanda Rabideau, Linguistics, University of Utah, 2013-2014

### Masters Examination Committee

Dhanya Herath, University of Auckland, New Zealand, 2017

### Advisory Committee Member

Kristie Durham, Linguistics, University of Utah, 2015

## **UNDERGRADUATE STUDENTS**

### Undergraduate Research Award Sponsor, University of Kansas

Austin Oder, Speech-Language-Hearing, Spring 2009

Meredith Poore, Speech-Language-Hearing, Spring 2004

### Honors Research Mentor, University of Kansas

Catherine Connealy, Speech-Language-Hearing, 2008

Emily Kerr, Speech-Language-Hearing, 2007-2008

Austin Oder, Speech-Language-Hearing, 2008-2009

Meredith Poore, Speech-Language-Hearing, 2004

### Research Experience Program Mentor, University of Kansas

Tammi Soileau, Speech-Language-Hearing, 2007

### McNair Scholars Program Co-Mentor, University of Kansas

Mahalet Jiregna, Speech-Language-Hearing, 2008

## **SERVICE-RELATED PROFESSIONAL DEVELOPMENT**

August-December 2021: “Fundamentals of Professional Coaching”, Utah Coaching & Advising Network

August 2021: “The Art of Herding Cats: Effectiveness in Academic Leadership”, University of Utah Health Faculty Development

April 2014: Mentoring Workshop, University of Utah Center for Teaching and Learning Excellence

## DEPARTMENTAL SERVICE

### *At the University of Utah*

2019-present	Director of Undergraduate Studies
2019	Chair, Faculty Search Committee
2017	Member, Career-Line Retention and Promotion Committee
2017-2018	Member, Speech-Language Pathology Masters Program Curriculum Committee
2017-2018	Member, Undergraduate Curriculum Committee
2015- present	Member, Ph.D. Admissions Committee
2014- present	Member, Retention, Promotion, and Tenure Committee
2014-2016	Chair, Faculty Search Committee
2014-2015	Faculty Advisor, Student Advisory Council
2014	Member, Clinical Faculty Search Committee
2013-2014	Member, Scholarship Committee
2013-2015	Presenter, Advanced Research Design course
2011	Member, Faculty Search Committee
2011- present	Member, Doctor of Audiology Curriculum Committee
2011- present	Member, Doctor of Audiology Admissions Committee

### *At the University of Kansas*

2007-2009	Chair, Doctor of Audiology Task Force
2005-2007	Member, Audiology Graduate Student Admissions Committee
2003-2009	Faculty Co-advisor, KU Student Speech-Language-Hearing Association
2003	Member, Undergraduate Curriculum Enhancement Committee
2003	Member, Cognitive Neuroscience in Communication Disorders Faculty Search Committee
2002-2007	Member, Doctor of Audiology Task Force

## COLLEGE SERVICE

### *At the University of Utah*

2020-2021	Member, Retention, Promotion, and Tenure Advisory Committee, Department of Occupational and Recreational Therapies
2014-2018	Chair, College of Health Curriculum Committee
2015-2016	Co-Leader, College of Health Undergraduate Curriculum Realignment Work Group
2014	Ad Hoc Member, College of Health Realignment Committee
2014	Ad Hoc Member, College of Health Academic Appeals Committee
2011-2018	Member, College of Health Curriculum Committee
2011	Banner Carrier, College of Health Convocation Ceremony
2011	Banner Carrier for the College of Health, University Commencement Ceremony

### *At the University of Kansas*

2005-2007	Member, College of Liberal Arts and Sciences Behavioral Sciences General Research Fund Review Committee
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## UNIVERSITY SERVICE

### *At the University of Utah*

- 2020 Reviewer, Mock Study Review, Center for Clinical & Translational Science “K to Research Success” Program
- 2019 Accompanist, Performance Voice Conference, Master Class portion
- 2016-2021 Member, Planning Committee, Performance Voice Conference
- 2015 Reviewer, Funding Incentive Seed Grant Program, Vice President for Research, University of Utah
- 2014, 2017 Reviewer, University Research Committee Faculty Research and Creative Grant
- 2013-2014 Member, Senate Advisory Committee on Library Policy (formerly Library Policy Advisory Committee)

### *At the University of Kansas*

- 2005-2008 Member, Center for Teaching Excellence, Annual Teaching Summit Planning Committee
- 2005 Participant, Wheat State Whirlwind Tour
- 2004 Member, Scholar Services Group, HVC<sup>2</sup> (High Velocity Change through High Volume Collaboration)

## COMMUNITY SERVICE

- 2018- Keyboardist, occasional, Catholic Diocese of Salt Lake City
- 2017-2020 Member, Diocesan Liturgical Music Committee, Catholic Diocese of Salt Lake City
- 2016-2018 Music Director, Blessed Sacrament Catholic Church, Sandy, UT
- 2014 Judge, school science fair, Blessed Sacrament Catholic School, Sandy, UT
- 2012 Presenter, lecture on speech acoustics and clear speech, Hearing Loss Association of Salt Lake City monthly meeting
- 2012, 2014 Demonstrator, Math and Science Night, Blessed Sacrament Catholic School, Sandy, UT
- 2011- present Keyboardist and occasional vocalist, Blessed Sacrament Catholic Church, Sandy, UT
- 2011 Consultant, exhibit on the senses, The Leonardo, Salt Lake City, UT

## NATIONAL SERVICE

- 2022 Reviewer, Linguistics Program, National Science Foundation
- 2022 Peer reviewer, *JASA Express Letters*
- 2022-2023 Chair, Site Visitor Recruitment, Selection, and Education Committee, Council on Academic Accreditation in Audiology and Speech-Language Pathology
- 2021 Peer reviewer, *Cognitive Research: Principles and Implications*
- 2021 Member, Academy of Rehabilitative Audiology Honors of the Association Selection Committee
- 2020 Peer reviewer, *Perspectives of the ASHA Special Interest Groups*, serving American Speech-Language-Hearing Association Special Interest Group 19: Speech Science
- 2020 Peer reviewer, *Journal of the American Academy of Audiology*

2020-2022	Member, Women in Acoustics Committee, Acoustical Society of America
2020-2022	Member, Editorial Board of <i>Perspectives of the ASHA Special Interest Groups</i> , serving American Speech-Language-Hearing Association Special Interest Group 7: Aural Rehabilitation and Its Instrumentation
2020, 2022	Author, invited post titled “Taking the long view in an interview” to the American Speech-Language-Hearing Association’s Mentoring Academic-Research Careers online Community
2020-2021	Member, Site Visitor Recruitment, Selection, and Education Committee, Council on Academic Accreditation in Audiology and Speech-Language Pathology
2020-2024	Member, Council on Academic Accreditation in Audiology and Speech-Language Pathology
2019	Peer reviewer, <i>Journal of Nonverbal Behavior</i>
2019-2022	Member, Women in Acoustics Committee, Acoustical Society of America
2019-	Member, Audiology Quality Consortium (representing the Academy of Rehabilitative Audiology)
2019	Organizer, chair, and participant, “Communication Partners and AR”, a Learning Module presented by the Academy of Rehabilitative Audiology at the 31 <sup>st</sup> Annual Conference of the American Academy of Audiology, Columbus, OH
2019	Past President, Academy of Rehabilitative Audiology
2018	President, Academy of Rehabilitative Audiology
2018, 2019	Peer reviewer, <i>Attention, Perception, &amp; Psychophysics</i>
2017, 2018	Peer reviewer, <i>PLOS ONE</i>
2017	President-Elect, Academy of Rehabilitative Audiology
2015-2018	Associate Editor, <i>Journal of the Acoustical Society of America</i>
2015-2016	Co-organizer and Co-chair, “Gender Effects in Speech Production and Perception.” Special session at the 170 <sup>th</sup> meeting of the Acoustical Society of America
2015-2016	Member, Local Organizing Committee, 171 <sup>st</sup> meeting of the Acoustical Society of America
2015	Session chair, 170 <sup>th</sup> meeting of the Acoustical Society of America
2015	Peer reviewer, <i>Quarterly Journal of Experimental Psychology</i>
2014-2017	Member, Speech Communication Technical Committee, Acoustical Society of America
2014	Peer reviewer, <i>PLOS ONE</i>
2014	Session chair, 167 <sup>th</sup> meeting of the Acoustical Society of America
2014-17	Member, Editorial Board, <i>Perspectives on Aural Rehabilitation and Its Instrumentation</i>
2013	Peer reviewer, <i>American Journal of Audiology</i>
2013-4	Peer reviewer, <i>Perspectives on Aural Rehabilitation and Its Instrumentation</i>
2013	Peer reviewer, <i>Journal of the Academy of Rehabilitative Audiology</i>
2013	Peer reviewer, <i>Ear and Hearing</i>
2012, 2018	Peer reviewer, <i>JASA Express Letters</i>
2011-2	Reviewer, Oyer Award, Academy of Rehabilitative Audiology
2011	Presenter, “Listen Up and Get Involved”, 161 <sup>st</sup> meeting of the Acoustical Society of America
2011-2019	Peer reviewer, <i>Journal of Phonetics</i>
2011-2014	Member, Steering Committee, American Speech-Language-Hearing Association Special Interest Group 7: Aural Rehabilitation and Its Instrumentation

- 2010 Poster session chair, 159<sup>th</sup> meeting of the Acoustical Society of America
- 2008-2012 Secretary, Academy of Rehabilitative Audiology
- 2008-2010 Reviewer, Young Investigator Travel Award, Women in Acoustics Committee, Acoustical Society of America, 156<sup>th</sup>, 157<sup>th</sup>, 158<sup>th</sup>, and 159<sup>th</sup> meetings
- 2008 Poster session chair, 156<sup>th</sup> meeting of the Acoustical Society of America
- 2008 Reviewer, New Century Scholars Research Grant Program, American Speech-Language-Hearing Foundation
- 2007 Co-organizer and Co-chair, “Speech Communication: Speech Intelligibility and the Vowel Space.” Special session at the 154<sup>th</sup> meeting of the Acoustical Society of America
- 2007-2009 Member, ad hoc committee on provision of child care at conferences, Women in Acoustics Committee, Acoustical Society of America
- 2007-2022 Judge, Student Paper Competition, Speech Communication Technical Committee, 153<sup>rd</sup>, 154<sup>th</sup>, 159<sup>th</sup>, 161<sup>st</sup>, 164<sup>th</sup>, 167<sup>th</sup>, 168<sup>th</sup>, 170<sup>th</sup>, 174<sup>th</sup>, 175<sup>th</sup>, 177<sup>th</sup>, 179<sup>th</sup>, and 182<sup>nd</sup> meetings of the Acoustical Society of America
- 2006-2010 Assistant editor, *Journal of the American Academy of Audiology*
- 2005 Ad hoc grant reviewer, American Speech-Language-Hearing Association, Students Preparing for Academic Research Careers (SPARC) Award
- 2005 Organizer, Student Paper Competition, Speech Communication Technical Committee, 150<sup>th</sup> meeting of the Acoustical Society of America
- 2005 Peer reviewer, *Speech Communication*
- 2004-2009 Member, Women in Acoustics Committee, Acoustical Society of America
- 2003 Ad hoc peer reviewer, American Speech-Language-Hearing Association Working Group on Acoustics in Educational Settings
- 2003 Organizer and Chair, “Speech Communication: Acoustical and Perceptual Characteristics of Special Speech Registers,” Special session at the 145<sup>th</sup> meeting of the Acoustical Society of America
- 2003-present Peer reviewer, *Journal of Gerontology: Psychological Sciences*
- 2003-present Peer reviewer, *Journal of Speech, Language, and Hearing Research*
- 2003-present Peer reviewer, *Journal of the Acoustical Society of America*

## INTERNATIONAL SERVICE

- 2021 Peer reviewer, *Speech, Language, and Hearing*
- 2019 Peer reviewer, *International Journal of Bilingualism*
- 2019 Reviewer, Discovery Grant proposal, Natural Sciences and Engineering Research Council of Canada
- 2017 Reviewer, Discovery Grant proposal, Natural Sciences and Engineering Research Council of Canada
- 2016 Peer reviewer, *International Journal of Disability, Development and Education*
- 2015 Peer reviewer, *International Journal of Speech-Language Pathology*
- 2015 Reviewer, Grant Application, Netherlands Organization for Scientific Research  
Innovational Research Incentives Scheme – Vidi
- 2014 Peer reviewer, *Language and Speech*
- 2013 Peer reviewer, *Folia Phoniatrica et Logopaedica*
- 2011 Reviewer, Strategic Grant Application, Medical Research Council of the United Kingdom
- 2010 Peer reviewer, *International Journal of Language and Communication Disorders*