



October 2019

Top Articles:



[Communication sciences and disorders student wins second national award from American Speech-Language-Hearing Association](#)



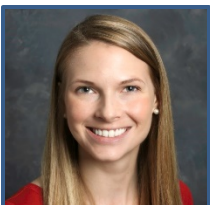
[National award supports master of speech pathology student in quest to work with children with hearing loss](#)



[Reading the signs: Speech and language scientist identifies children struggling with reading and comprehension](#)



[Suzanne Adlof \(Communication Sciences and Disorders\) wins Presidential Early Career Award for Scientists and Engineers](#)



[COMD assistant professor Jessica Klusek wins NIH award to study age-related language abilities in FMR1 premutation carrier mothers](#)

Announcements:

Get the Message: Informing Science and Practice, a conference put on by UofSC COMD was hugely successful with over 150 attending.

UofSC_COMD will have a booth at the ASHA Convention Grad Fair. Come visit us there!

Carson Aho, a recent MSP graduate, has an upcoming poster at the ASHA convention, **Exploration of Early Spelling in Children With Hearing Loss**, that has been designated as a Meritorious Poster Submission. This poster is based on Carson's thesis under the mentorship of Krystal Werfel. Way to go Carson!





[Communication sciences and disorders department cuts ribbon on new space, renames outpatient clinic](#)



[I Am Public Health: Sydney Bassard](#)



[Arnold School honors graduates at 2019 Hooding Ceremony on May 9](#)



[Public health graduate inspired to become speech-language pathologist after conducting research in communication sciences and disorders department](#)



[Julius Fridriksson \(COMD\) to serve as editor for new journal, Neurobiology of Language](#)



[Following fragile Xers' transition: 4-year study tracks high school seniors with fragile X syndrome as they transition into adulthood](#)



[COMD's Danielle Varnedoe receives Distinguished Contribution Award from the Council of Academic Programs in Communication Sciences and Disorders](#)

The [Montgomery Speech-Language-Hearing Clinic](#) is starting two new programs this fall that will enhance the clinical education and training of UofSC graduate students. The newly developed Voice Program will evaluate and treat individuals with a variety of voice disorders using a computerized software program. The Visi-Pitch Computerized Speech Lab accurately measures and records speech and voice parameters as well as provides biofeedback to clients throughout their course of treatment.

The Montgomery Clinic is also proud to announce its new pediatric hearing aid program. In addition to an established pediatric cochlear implant program, the clinic recently expanded its services to provide hearing aid fitting, programming, and follow up to help meet the needs of children in the Midlands and to enhance the clinical training of graduate students with hearing impaired children.



Current Faculty Grants:

Adlof, S. Principal Investigator, *Word Learning in Language and Reading Impairment Subgroups*, National Institutes of Health, NIDCD, Funded July 2018-June 2023, \$3,653,815.

Apel, K. Principle Investigator: *Project MATRS (Morphological Awareness Test for Reading and Spelling)*, U.S. Department of Education, IES; Funded 2017-2020, \$1,385,473.

Behroozmand, R. Principal Investigator, *Sensorimotor Processing of Auditory Feedback in Aphasia*, National Institutes of Health, NIDCD, Funded 2017-2022, \$693,350.

Behroozmand, R., Co-Investigator, *Neural Mechanisms of Vocal Communication in the Human Brain*, National Institutes of Health, NIDCD, Funded 2016-2021, \$1,660,047.

Behroozmand, R., Co-Investigator, *Aging Brain Cohort at the University of South Carolina (ABC@UofSC)*. Excellence Initiative, University of South Carolina, Funded 2019-2024, \$4,479,030 (PI: Fridriksson).

den Ouden, D., Co-Investigator, *Modeling treated recovery from aphasia*, National Institutes of Health, NIDCD, Funded 2016 –2021 (PI: Fridriksson).

Fitton, L. Subcontract, *Improving early literacy at scale through personalized diagnosis and intervention*. Chan Zuckerberg Education Initiative subcontract from the Reach Every Reader Project, Harvard, Funded 2018 – 2022

Fogerty, D. Principal investigator, *Maximizing speech recognition under adverse listening conditions*. National Institute of Health, NIDCD, Funded 2016-2021, \$1,563,416.

Fridriksson, J. Principal investigator, *Aging Brain Cohort at the University of South Carolina (ABC@UofSC)*. Excellence Initiative, University of South Carolina, Funded 2019-2024, \$4,479,030.

Fridriksson, J. Principal investigator, *Center for the Study of Aphasia Recovery (C-STAR)*, National Institute of Health, NIDCD, Funded 2016-3/2021, \$11,100,000.

Fridriksson, J. Local Principal Investigator, *Brain Connectivity Supporting Language Recovery in Aphasia*, National Institute of Health, NIDCD, Funded 2014-2024, \$1,703,101 (PI: Bonilha, MUSC).

Fridriksson, J. Local Principal Investigator, *Brain Connectivity Supporting Language Recovery in Aphasia*, National Institute of Health, NIDCD, Funded 2015-2019, \$3,438,569 (PI: Hickok, UC Irvine).

Klusek, J. Principle Investigator, *Defining the Language Phenotype of the FMR1 Premutation*, National Institute of Health, Funded 2019-2022, \$439,500.

Klusek, J. Principle Investigator, *Aging Language Production in Mothers with the FMR1 Premutation*, National Institute of Health, Funded 2019-2021, \$149,500



Klusek, J., Local Principle Investigator, *Language Development in Fragile X Syndrome*, National Institute of Health, NIDCD, Funded 2018-2023, \$3,120,399 (PI: Abbeduto).

Werfel, K. Principal Investigator, *Early Language and Literacy Acquisition in Children with Hearing Loss*, National Institute of Health, NIDCD, Funded 2018-2023, \$3,267,388.

Recently Awarded Grants*:

Lauren Baron (Post-doctoral student), **Suzanne Adlof** (Faculty Mentor), University of South Carolina Office of the Vice President for Research, Advanced Support for Innovative Research Excellence-I (ASPIRE-I, Track IIB for Postdoctoral Scholars); *Executive function in children with specific language impairment and dyslexia*, 2019-2020: \$5,000.

Gabriella Reynolds (doctoral student), **Krystal Werfel** (Faculty Mentor), LSVT Global Small Student Grants for Treatment Efficacy Studies with Neurologically-Impaired Patients, *Use of FM Systems During Phonological Awareness Intervention for Students with Dyslexia + Minimal Hearing Loss*, 2019-2020: \$1500.

Marissa Castaldo (master's student), **Krystal Werfel** (Faculty Mentor), American Speech-Language-Hearing Association, Students Preparing for Academic-Research Careers (SPARC), *Complex Syntax Acquisition in Children with Hearing Loss*, 2019-2020: \$1000.

Meghan Smith (master's student), **Krystal Werfel** (Faculty, Mentor), University of South Carolina Office of Undergraduate Research, Magellan Grant, *Developing a School-Age Language Screening Assessment: Impact of Child Reading Ability and Text Genre*, 2019-2020: \$3000.

Kristine Ytem (undergraduate student), **Dirk den Ouden** (faculty, mentor), University of South Carolina Honor's College, SURF Grant, *Brain Stimulation to Stabilize Vowel Production in Speakers with Apraxia*, 2019-2020: \$1,620.

Recent Publications*:

Adlof, S.M. (2019). Prologue to the Forum: Vocabulary Across the School Grades. *Language, Speech, and Hearing Services in Schools*, 50(4), 461-465. https://doi.org/10.1044/2019_LSHSS-19-00007

Adlof, S.M., **Baron, L.S.**, **Scoggins, J.**, Kapelner, A., McKeown, M.G., Perfetti, C.A., Miller, E., Soterwood, J., & Petscher, Y. (2019). Accelerating adolescent vocabulary growth: Development of an individualized, web-based, vocabulary instruction program. *Language, Speech, and Hearing Services in Schools*, 50(4), 579-595. https://doi.org/10.1044/2019_LSHSS-VOIA-18-0143



Behroozmand, R., & Johari, K. Pathological Attenuation of the Right Prefrontal Cortex Activity Predicts Speech and Limb Motor Timing Disorder in Parkinson's Disease. *Behavioral Brain Research* (in press)

Behroozmand, R., Johari, K., Kelley, R., Kapnola, E., Narayanan, N., & Greenlee, J. Effect of Deep Brain Stimulation on Vocal Motor Control Mechanisms in Parkinson's Disease. *Parkinsonism & Related Disorders* (in press)

Hughes, K. R., Hogan, A., Roberts, J. E., & **Klusek, J.** (2019). Gesture frequency and function in infants with fragile X syndrome and infant siblings of children with autism spectrum disorder. *Journal of Speech, Language, and Hearing Research*. E-pub ahead of print: https://doi.org/10.1044/2019_JSLHR-L-17-0491

Johari, K., **den Ouden, D.B.**, & **Behroozmand, R.** Behavioral and Neural Correlates of Normal Aging Effects on Motor Preparatory Mechanisms of Speech Production and Limb Movement. *Experimental Brain Research* (in press).

Krimm, H., **Werfel, K. L.**, & Schuele, C. M. (in press). Toward understanding the lexical-morphological networks of children with SLI: Analysis of responses on a morphological production task. *Journal of Speech, Language, and Hearing Research*.

Matchin, W., & Hickok, G. (in press). The cortical organization of syntax. *Cerebral Cortex*

Reynolds, G., & **Werfel, K. L.** (2019). The relation of home literacy practices and emergent literacy skills in preschool children with hearing loss. *Journal of Deaf Studies and Deaf Education, OnlineFirst*, 1-12. doi: 10.1093/deafed/enz025

Werfel, K. L., & Reynolds, G. (in press). Teaching phonological awareness to children with hearing loss who use spoken language: Six big ideas. *SIG 9 Perspectives of the ASHA Special Interest Groups*.

Werfel, K. L., Brooks, M. C., & **Fitton, L.** (2019). The comparative efficiency of speech sound interventions that differ by delivery modality: flashcards versus tablet. *Communication Disorders Quarterly, OnlineFirst*, 1-9. doi: 10.1177/1525740119859520

Wilmskoetter, J., Del Gaizo, J., Phillip, L., **Behroozmand, R.**, Gleichgerrcht, E., **Fridriksson, J.**, Riley, E., & Bonilha, L. Predicting Naming Responses Based on Pre-Articulatory Electrical Activity in Individuals with Aphasia. *Clinical Neurophysiology* (in press).

*Recent Grants and Publications from April 2019 – October 2019

Faculty members are **bolded**

Mentees are underlined

