



**Idaho State
University**

**Idaho Center for
Health Research**

List of Researchers Bio Template

Idaho Center for Health Research

Name, credentials

Department

Title, specialty

Email

Research interests

Sample publications (5 maximum)

Bio (focus on research experience, 200-word maximum)

Sample Listings—this is what the finish product looks like!

Researchers landing page

<https://www.isu.edu/ichr/researchers/>



Gabriel Barga, PhD, CCC-A/SLP

Associate Professor, Pediatric Audiology

✉ bargabr@isu.edu

Research Interests: Evaluating risk indicators for delayed-onset hearing loss and through community collaboration efforts, finding ways to make resources accessible to all children who are hard of hearing or deaf and their families.

Biosketch

Individual Biosketch Page

<https://www.isu.edu/ichr/researchers/cummings-bio/>

Alycia Cummings PhD, CCC-SLP

Assistant Professor, Department of Communication Sciences and Disorders, Developmental Speech Sound Disorders, Electrophysiology

Research Interests

The major objectives for my research program are to test the hypothesis that incorrect speech productions of children with speech sound disorders (SSD) result from abnormalities in speech perception resulting in atypical phonological representations, and to characterize how traditional speech treatment alters the auditory neural responses to sounds targeted in treatment. Specifically, electrophysiological methods are used to examine the phonological representations of sounds in children with SSD. A better understanding of the auditory sensory system in children with SSD will inform behavioral assessment and treatment of SSD.

NIH Bibliography

<http://www.ncbi.nlm.nih.gov/sites/myncbi/alycia.cummings.1/bibliography/41165869/public/?sort=date&direction=descending>

Sample Publications

Cummings, A., Hallgrímsson, J., & Robinson, S. (2019). Speech intervention outcomes associated with word lexicality and intervention intensity. *Language, Speech, and Hearing Services in Schools*, 50, 1, 83-97.

Cummings, A., Madden, J., & Hefta, K. (2017). Converging evidence for [coronal] underspecification in English-speaking adults. *Journal of Neurolinguistics*, 44, 147-162.

Cummings, A., Seddoh, A., & Jallo, B. (2016). Phonological code retrieval during picture naming: Influence of Consonant Class. *Brain Research*, 1635, 71-85.

Bio

Dr. Cummings directs the Brain and Behavior Lab (BBLab), a developmental neuropsycholinguistic research laboratory in the Department of Communication Sciences and Disorders. The BBLab research focuses on the underlying mechanisms of developmental speech sound disorders and incorporates treatment techniques that can help remediate speech impairments. By recording brain waves (i.e., event-related potentials or ERPs), lab researchers are discovering how children with speech sound disorders perceive and produce speech sounds. Through our speech treatment programs, this team is creating efficient and effective intervention methods. Studies currently involve children between the ages of 3 and 7 years who are native speakers of English.

She regularly provides pro bono speech screenings and assessments to children in the community. Children who qualify for her research program receive speech treatment at no charge. The speech treatment research provides speech-language pathologists with an evidence-based practice that can guide clinical decision making.

Dr. Cummings earned her Doctor of Philosophy through a collaborate program in Language and Communicative Disorders offered by San Diego State University and University of California San Diego. Before coming to ISU, she taught at the University of North Dakota, Grand Forks.