

Angela Yarnell Bonino, Ph.D., CCC-A

Department of Speech, Language, and Hearing Sciences
University of Colorado Boulder
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Education

Ph.D., Speech and Hearing Sciences, 2012

The University of North Carolina at Chapel Hill

Advisor: Dr. Lori Leibold

Dissertation: "The effect of signal-temporal uncertainty during childhood"

M.S., Hearing and Speech Sciences (Audiology), 2004

Vanderbilt University

B.A., dual major in Brain and Cognitive Sciences and Linguistics, 2002

University of Rochester (NY)

Professional Positions

Assistant Professor, 2016-present

Department of Speech, Language, and Hearing Sciences

University of Colorado Boulder

Audiology Research Associate, 2014-2016

Division of Speech and Hearing Sciences

The University of North Carolina at Chapel Hill

Postdoctoral Research Associate, 2012-2014

Department of Otolaryngology/Head and Neck Surgery

The University of North Carolina at Chapel Hill

Ph.D. Candidate, 2006-2012

Division of Speech and Hearing Sciences

The University of North Carolina at Chapel Hill

Educational Audiologist, 2004-2006

Fayette County Public Schools

Lexington, KY

Publications and Presentations

* Indicates student co-author

Peer-Reviewed Publications

Bonino, A.Y., *Ramsey, M. E., *Pancoast, E.S., & Vance, E.A. (2021). Development of masked speech detection thresholds in 2- to 15-year-old children: Speech shaped noise and two-talker speech maskers. *Ear and Hearing*. Available ahead of print at: 10.1097/AUD.0000000000001062

- Bonino, A.Y.,** *Hemann, A., Mood, D., *Kay, E., *Pancoast, E.S., & Sommerfeldt, K.K. (2021). Visual reinforcers designed for children with developmental disabilities. *Journal of Early Hearing Detection and Intervention*, 6, 69-76. <https://doi.org/10.26077/b0fc-4c2d>
- Bonino, A.Y.,** *Wiens, A., *Nightengale, E., & Vance, E.A. (2020). Inter-rater reliability for a two-interval, observer-based procedure for measuring hearing in young children. *American Journal of Audiology*, 29, 762-773.
- Bonino, A.Y.,** & *Malley, A.R. (2019). Measuring open-set, word recognition in school-aged children: Corpus of monosyllabic target words and speech maskers. *Journal of the Acoustical Society of America*, 146, EL393-EL398.
- Bonino, A.Y.,** *Ramsey, M.E., *McTee, H.M., & Vance, E.A. (2019). Behavioral assessment of hearing in 2- to 7-year-old children: Evaluation of a two-interval, observer-based procedure using conditioned play-based responses. *American Journal of Audiology*, 28, 560-571.
- *McTee, H.M., Mood, D., Frederickson, T., Thrasher, A., & **Bonino, A.Y.** (2019). Using visual supports to facilitate audiological testing for children with autism spectrum disorder. *American Journal of Audiology*, 28, 823-833.
- Bonino, A.Y.,** & Leibold, L.J. (2017). Behavioral assessment of hearing in 2- to 4-year-old children: A two-interval, observer-based procedure using conditioned play-based responses. *Journal of Visualized Experiments*, 119, e54788.
- Corbin, N.E., **Bonino, A.Y.,** Buss, E., & Leibold, L.J. (2016). Development of open-set word recognition in children: Speech-shaped noise and two-talker speech maskers. *Ear and Hearing*, 37, 55-63.
- Leibold, L.J., **Bonino, A.Y.,** & Buss, E. (2016). Masked speech perception thresholds in infants, children, and adults. *Ear and Hearing*, 37, 345-353.
- Bonino, A.Y.,** & Leibold, L.J. (2015). Adults, but not children, benefit from a pretrial signal cue in a random-frequency, two-tone masker. *Journal of the Acoustical Society of America*, 138, EL8-EL13.
- Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2013). Effect of signal-temporal uncertainty in children and adults: Tone detection in noise or a random-frequency masker. *Journal of the Acoustical Society of America*, 134, 4446-4457.
- Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2013). Release from perceptual masking in children and adults: Benefit of a carrier phrase. *Ear and Hearing*, 34, 3-14.
- Leibold, L.J., & **Bonino, A.Y.** (2009). Release from informational masking in children: Effect of multiple signal bursts. *Journal of the Acoustical Society of America*, 125, 2200-2208.
- Bonino, A.Y.,** & Leibold, L.J. (2008). The effect of signal-temporal uncertainty on detection in bursts of noise or a random-frequency complex. *Journal of the Acoustical Society of America*, 124, EL321-EL327.

Book Chapters, Clinical or Research Tools, and Other Non-Peer Reviewed Publications

- Mood, D., & **Bonino, A. Y.** (to appear, 2022). Developmental considerations in deafness. To appear in Feldman, H. M. (Ed.), *Developmental behavioral pediatrics* (5th ed.). Elsevier.
- Bonino, A.Y.,** & Mood, D. (2021, April). Pediatric audiologists: Partners in early diagnosis of autism. *ASHA Leader*.
- *Hemann, A., *Kay, E., Mood, D., Sommerfeldt, K., & **Bonino, A.Y.** (2020, October 7). Library of visual reinforcers for use in behavioral hearing assessment. <https://doi.org/10.17605/OSF.IO/BK6RC>
- Bonino, A. Y.,** & *Malley, A. (2019, August 17). Corpus for measuring masked open-set word recognition in school-aged children. <https://doi.org/10.17605/OSF.IO/43XFH>
- *Malley, A., Mood, D., *Graham, M., *McTee, H. M., & **Bonino, A.Y.** (2019, March 4). Obtaining behavioral thresholds from children with complex developmental abilities: Strategies for

modifying conditioned play audiometry. <https://doi.org/10.17605/OSF.IO/59G8C>

- *McTee, H.M., Mood, D., *Royer, W., *Malley, A., *Brumbach, S., *Pancoast, E., ... **Bonino, A.Y.** (2019, July 14). Audiology video models and visual schedules. <https://doi.org/10.17605/OSF.IO/B23UX>
- Bonino, A.Y. (2017). Innovative hearing test for toddlers and preschoolers. *The Hearing Journal*, 70, 6.
- Leibold, L.J., **Bonino, A.Y.**, & Flenner, L. (2007). The importance of establishing a time course for typical auditory development. In R.C. Seewald & J.M. Bamford (Ed.), *A sound foundation through early amplification 2007: Proceedings of the fourth international conference*, Phonak AG: Chicago, IL, 35-42.

Conference Presentations

- Bonino, A.Y.**, *Baker, S., Mood, D., *Schacht, E., *Tamanaha, J., *Sun, J., & Vance, E.A. (2021). Using the audiogram to identify hearing loss in children. Podium Presentation at the American Auditory Society Meeting (online). *New Investigator Award
- *Hemann, A., *Kay, E., Mood, D., Sommerfeldt, K.K., & **Bonino, A.Y.** (2021). Library of visual reinforcers designed for children with developmental disabilities. Poster presentation at the American Academy of Audiology Meeting (online). *Winner of the James and Susan Jerger Award for Excellence in Student Research
- *Kay, E., *Hemann, A., Mood, D., Sommerfeldt, K.K., & **Bonino, A.Y.** (2021). Library of visual reinforcers designed for children with developmental disabilities. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Chicago, IL.
- Mood, D., **Bonino, A.Y.**, Baker, S., Vance, E.A., & Schacht, E. (2021). Co-occurrence of hearing loss and autism spectrum disorders. Invited talk at the DIADS Online International Conference.
- *Yang, R., **Bonino, A.Y.**, *Kay, E.A., *Williams, M., & *Wilson, J. (2020). Children's and adults' open-set word recognition scores in two-talker speech and speech-shaped noise. Poster at the American Academy of Audiology Conference, New Orleans, LA (conference canceled).
- Bonino, A.Y.** (2019). Development of masked speech detection thresholds in 2- to 16-year-old children. Invited podium presentation at the Frontiers in Hearing Conference, Estes Park, CO.
- Bonino, A.Y.**, *Pancoast, E., & *Ramsey, M.E. (2019). Development of children's speech detection: Speech-shaped noise and two-talker maskers. Podium presentation at the American Academy of Audiology Conference, Columbus, OH.
- Bonino, A.Y.**, *McTee, H., *Nightengale, E., *Pancoast, E., & *Romero, S. (2019). Measuring hearing in toddlers and preschoolers with an observer-based method. Poster presented at the American Auditory Society Meeting, Scottsdale, AZ.
- *Malley, A., *Graham, M., *McTee, H., *Pancoast, E., *Nightengale, E., *Brumbach, S., Gabbard, S.A., Mood, D., Frederickson, T., Sommerfeldt, K., & **Bonino, A.Y.** (2019). Obtaining behavioral thresholds from children with complex developmental abilities: Strategies for modifying conditioned-play audiometry. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Chicago, IL.
- *McTee, H., Mood, D., *Royer, W., *Brumbach, S., Malley, A., *Pancoast, E., Frederickson, T., Thrasher, A., Gabbard, S.A., & **Bonino, A.Y.** (2019). Facilitating audiological testing for children with Autism Spectrum Disorder: Free, online visual schedules and video models. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Chicago, IL.
- *Nightengale, E.C., *Pancoast, E., *Romero, S., *Graham, M., *Malley, A., *McTee, H. & **Bonino, A.Y.** (2019). Auditory behavior of 2- to 4-year-old children: Types of behaviors observed and inter-rater reliability. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Chicago, IL.
- Bonino, A.Y.** (2018). Speech in noise assessment in toddlers and preschoolers. Podium talk at the

Ultimate Colorado Midwinter Meeting, Vail, CO.

- Bonino, A.Y.** (2018). Masked speech perception thresholds for 2- to 7-year-old children (2018). Poster presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- *Brumbach, S., *Malley, A., *McTee, H., *Pancoast, E., Fredrickson, T., Thrasher, A., Gabbard, S., Yoshinaga-Itano, C., & **Bonino, A.Y.** (2018). Using visual activity schedules and video models to facilitate audiological testing for children with autism. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Denver, CO. *Outstanding Poster Award in the area of Audiology Services
- Harper, H.V., *Rosmarin, A. & **Bonino, A.Y.** (2018). Effect of noise on children's oral reading fluency and comprehension. Poster presentation at the American Speech-Language-Hearing Association Conference, Boston, MA.
- *Huskey, K., *Zanders, A., **Bonino, A.Y.**, Yoshinaga-Itano, C., Gabbard, S., Sedey, A., & Wiggin, M. (2018). Parent report of amplification use of children with hearing loss only and those with multiple disabilities. Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Denver, CO.
- *Huskey, K., *Zanders, A., **Bonino, A.Y.**, Yoshinaga-Itano, C., Gabbard, S., Sedey, A., & Wiggin, M. (2018). Parent report of amplification use of children with hearing loss only and those with multiple disabilities. Poster presentation at the American Academy of Audiology Conference, Nashville, TN.
- *Malley, A. & **Bonino, A.Y.** (2018). Development of a monosyllabic speech-in-speech test (2018). Poster presentation at the American Academy of Audiology Conference, Nashville, TN.
- *Malley, A., *McTee, H., *Pancoast, E., *Brumbach, S., Fredrickson, T., Thrasher, A., Gabbard, S.A., Yoshinaga-Itano, C., & **Bonino, A.Y.** (2018). Using visual activity schedules and models to facilitate audiological testing for children with Autism. Poster presentation at the Colorado Academy of Audiology.
- *Peterman, M., *Watson, K., **Bonino, A.Y.**, Mood, D., Yoshinaga-Itano, C., & Gabbard, S. (2018). Identifying challenges in identification of Autism Spectrum Disorder in children with hearing loss. Poster presented at the Early Hearing Detection and Intervention (EHDI) Meeting, Denver, CO.
- *Peterman, M., *Watson, K., **Bonino, A.Y.**, Mood, D., Yoshinaga-Itano, C., & Gabbard, S. (2018). Identifying challenges in identification of Autism Spectrum Disorder in children with hearing loss. Poster presented at the American Academy of Audiology Conference, Nashville, TN.
- Thrasher, A., Yoshinaga-Itano, C., *Brumbach, S., *McTee, H., *Pancoast, E., *Malley, A., Gabbard, S., Fredrickson, T., & **Bonino, A.Y.** (2018). Using visual activity schedules & models to facilitate audiological testing for children with Autism. Poster presentation at the American Speech-Language-Hearing Association Conference, Boston, MA.
- *Zanders, A., Yoshinaga-Itano, C., Gabbard, S., *Huskey, K., & **Bonino, A.Y.** (2018). Do the characteristics of children who are deaf/hard hearing with additional disabilities differ by race/ethnicity or other demographic factors? Poster presentation at the Early Hearing Detection and Intervention (EHDI) Meeting, Denver, CO. *Outstanding Poster Award – Top 3 student poster
- *Zanders, A., Yoshinaga-Itano, C., Gabbard, S., *Huskey, K., & **Bonino, A.Y.** (2018). Do the characteristics of children who are deaf/hard hearing with additional disabilities differ by race/ethnicity or other demographic factors? Poster presentation at the American Academy of Audiology Conference, Nashville, TN.
- Bonino, A.Y.** (2017). Masked speech perception thresholds for toddlers and preschoolers. Invited talk at the Frontiers in Audiology Conference, Estes Park, CO.
- Leibold, L.J., **Bonino, A.Y.**, Corbin, N.C., & Buss, E. (2016). Evaluation of a two-interval, observer-based behavioral procedure for assessing detection performance in 2- to 4-year-old children. Poster

- presentation at the meeting of the Acoustical Society of America, Salt Lake City, UT.
- Bonino, A.Y.,** Corbin, N.C., Buss, E. & Leibold, L.J. (2015). Evaluation of a two-interval observer-based threshold estimation procedure using a conditioned-play response in children ages 2-4 years. Poster presentation at the Auditory Development: From Cochlea to Cognition Meeting, Seattle, WA.
- Bonino, A.Y.,** Corbin, N.C., & Leibold, L.J. (2015). Preliminary evaluation of target/sex mismatch for preschoolers' speech-on-speech detection. Presentation at the American Speech-Language-Hearing Association Conference, Denver, CO.
- Buss, E., Leibold, L.J., Porter, H.L, **Bonino, A.Y.,** & Hall, J.W. (2015). Factors responsible for immature auditory performance in children. Invited presentation at the Auditory Development: From Cochlea to Cognition Meeting, Seattle, WA.
- Corbin, N.E., Buss, E., **Bonino, A.Y.,** & Leibold, L.J. (2015). Spatial release from masking: Effects of simulated unilateral hearing loss. Poster presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- Corbin, N.E., Buss, E., **Bonino, A.Y.,** & Leibold, L.J. (2015). Spatial release from masking: Effects of simulated unilateral hearing loss. Poster presentation at the Auditory Development: From Cochlea to Cognition Meeting, Seattle, WA.
- Drescher, M., Leibold, L.J., **Bonino, A.Y.,** Teagle, H., Buss, E., & Greaver, L. (2015). Speech-on-speech recognition for children with cochlear implants. Poster presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- Corbin, N.E., Buss, E., **Bonino, A.Y.,** & Leibold, L.J. (2014). Word recognition in competing backgrounds: Effect of development and hearing. Poster presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- Leibold, L.J., **Bonino, A.Y.,** & Buss, E. (2013). Masked speech detection in infants, children and adults. Podium presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- Bennett, A., **Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2011). Ability to use a carrier phrase to improve speech perception for children with hearing loss. Poster presentation at the American Academy of Audiology- NC Chapter Fall Meeting, Wilmington, NC.
- Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2011). Effect of signal-temporal uncertainty during childhood: Detection of a tonal signal in a random-frequency, two-tone masker. Research poster presentation at the Meeting of the Acoustical Society of America, Seattle, WA.
- Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2009). Release from perceptual masking in children and adults: Benefit of a carrier phrase. Research poster presentation at the Association for Research in Otolaryngology Meeting, Baltimore, MD.
- Bonino, A.Y.,** Leibold, L.J., & Buss, E. (2009). Further studies on the benefit of a carrier phrase for word recognition in a two-talker masker: Contributions of co-articulation and auditory stream segregation. Research poster presentation at the Meeting of the Acoustical Society of America, Portland, OR.
- Bonino, A.Y.** & Leibold, L.J. (2008). Temporal signal uncertainty in the presence of a random-frequency masker. Research poster presentation at the American Auditory Society Meeting, Scottsdale, AZ.
- Bonino, A.Y.** & Leibold, L.J. (2007). Children's and adults' performance for PBK words in noise: Effect of spectro-temporal coherence. Research poster presentation at Sound Foundation through Early Amplification Conference, Chicago, IL.
- Bonino, A.Y.** & Roush, J. (2007). Transitioning to public school from early intervention services. Presentation at the Annual Early Hearing Detection and Intervention Conference, Salt Lake City, UT.
- Yarnell, A.M.,** Ashmead, D.H. & Tharpe, A.M. (2004). Object banging by infants with normal or impaired hearing. Research poster presentation at the International Conference on Infant Studies,

Chicago, IL.
Bell, J., **Yarnell, A.**, & Schery, T. (2003). Kids with cochlear implants: Supporting inclusive education.
Poster presentation at the American Speech-Language-Hearing Association Conference,
Chicago, IL.

Honors

- New Investigator Award (Podium Talk), American Auditory Society
- Loan Repayment Program, National Institutes of Health, 2017-2019; 2020-2021
- Dissertation Completion Fellowship, UNC-CH, 2011-2012
- Lessons for Success Attendee, American Speech-Language Hearing Association, 2011
- Ruth L. Kirschstein National Research Service Award for Individual Predoctoral Fellows (F31), National Institutes of Health (NIDCD), 2009-2011
- Graduate Student/Postdoctoral Fellow Travel Award, Association for Research in Otolaryngology, 2009
- Audiologist Travel Award, American Academy of Audiology Foundation, 2009
- New Century Doctoral Scholarship, American Speech-Language-Hearing Foundation, 2008
- Student Investigator Research Award, American Academy of Audiology and American Academy of Audiology Foundation, 2008
- University Merit Assistantship, UNC-CH, 2006-2007
- Jay W. Sanders Honors in Audiology Award, Vanderbilt University, 2004
- Alice DeSimone Student Life Award, University of Rochester, 2002

Research and Training Grants

Ongoing Research Support

R21DC018656, Bonino (PI)

4/1/2020 – 3/31/2023

NIH (NIDCD)

Title: Measuring Hearing in Children with Developmental Differences

The overall objectives for this grant are to (1) identify gaps in current clinical care for children with developmental disabilities by harnessing the power of big data analytics and (2) isolate methodological and child factors that affect threshold data of children with developmental disabilities by using an innovative observer-based behavioral procedure.

Role: PI

\$300,000 (direct)

Clinical Research Grant, Bonino (PI)

12/1/2019-12/31/2021

American Speech-Language-Hearing Foundation

Title: Hearing Assessment for Children with Developmental Delays

This purpose of this research is to determine the feasibility and reliability of measuring behavioral hearing thresholds in children with developmental delays with our two-interval, forced-choice observer-based procedure using a conditioned play-based motor response.

Role: PI

\$75,000

T73MC11044, Sandra Friedman (PI)

7/1/2016-6/30/2021

US Department of Health and Human Services, Maternal Child Health Bureau

Leadership Education in Neurodevelopmental and Related Disorders Training Program (LEND),
Audiology Supplement

The goal of this grant is to decrease the age of diagnosis of developmental disabilities for children who are deaf/hard of hearing and to develop a cohort of specialists with the skills to provide specialized services for children dually diagnosed with reduced hearing and co-morbid developmental disabilities such as ASD.

Role: Affiliated Faculty

Under Review

Clinical Translational Research Award, Bonino (PI)

9/30/2022-9/29/2025

Department of Defense, CDMRP (Autism Research Program)

Title: Universal Autism Screening Program in Audiology Clinics

The purpose of this application is to examine to evaluate the feasibility and effectiveness of establishing an autism screening program in pediatric audiology clinics.

Status: Pre-application under review (submitted May 2021)

Role: PI

Capita Foundation, Bonino (PI)

11/1/2021-10/31/2022

Title: Masked Speech Detection in Children with Autism Spectrum Disorder

The purpose of this grant is to develop to measure masked speech detection thresholds for children with autism spectrum disorder.

Role: PI

Completed Research Support

UROP Team Grant, Bonino (PI)

5/8/2020-8/31/2020

Undergraduate Research Opportunities Program (UROP), CU Boulder

Title: Measuring Hearing in Children with Developmental Disabilities

The purpose of this grant was to provide supplemental finding for the inclusion of three undergraduate students in our research efforts.

\$3,000

Emerging Research Grant, Bonino (PI)

7/1/2017-3/31/2019

Hearing Health Foundation

Title: Toddlers' and Preschoolers' Ability to Hear Speech in Noise: Assessing Performance with a Two-interval, Observer-based Procedure

Overview: This purpose of this research is to develop a behavioral method for measuring speech-in-noise thresholds in 2- to 4-year-old children. This project will examine the reliability of the method and collect normative data for toddlers and preschoolers.

\$30,000

New Investigator Award, Bonino (PI)

6/1/2017-11/30/2018

American Academy of Audiology of Foundation

Title: Developing a Behavioral Hearing Assessment for Toddlers and Preschoolers: Reliability and Observer Training

Overview: This purpose of this research is to develop a behavioral method for measuring tone detection thresholds in 2- to 4-year-old children. This project will examine the reliability of the method and to develop observer training modules so that the procedure can be implemented across laboratories.

\$10,000

Ruth L. Kirschstein National Research Service Award, Bonino (PI)

9/1/2009-8/31/2011

NIH/NIDCD (F31DC010308)

Title: Effect of Signal-Temporal Uncertainty During Childhood

Overview: This study investigated if children benefited from a cue indicating when in time to listen for a signal presented in complex listening backgrounds. Susceptibility to auditory masking was also documented for a wide age range of childhood (5-13 years).

\$68,874

Student Investigator Research Award, Bonino (PI)

7/1/2008-6/30/2009

American Academy of Audiology Foundation

Title: Children's Speech Perception in Noise: Ability to Use a Carrier Phrase to Separate the Target from the Background

Overview: The purpose of this research was to investigate the underlying mechanism for children's improved speech perception abilities in noise when a carrier phrase is used. Specifically, we confirmed our hypothesis that a carrier phrase improves children's ability to separate the target word from the competing background sounds because the carrier provides additional acoustic information which allows listeners to form a coherent auditory stream.

\$5,000

Research Mentoring Experience

University of Colorado Boulder

- Supervised 9 Au.D. capstone projects (2017-2021)
- Supervised 11 LEND projects (2017-2021)
- Supervised 8 undergraduate summer research projects (2018; 2020)
- Supervised 2 undergraduate Honors Thesis projects (2018-2019)
- Supervise hourly paid students in the laboratory (10-20 h/week per student): 12 Au.D., 2 M.S., and 9 undergraduate students (2017-21)

The University of North Carolina at Chapel Hill

- Supervised a speech-language pathology student's 50-hour research experience (2011-2012)
- Supervised an undergraduate student who worked 10 hours per week in the lab (2011-2012)
- Supervised three Au.D. students who worked 8 hours per week in the laboratory (2014-2016)
- Assisted with three (2 Au.D. and 1 Ph.D.) students' independent research projects (2014-2015)
- Supervised an undergraduate student who worked 8 hours per week in the lab (2015-2016)

Teaching Experience

Instructor of Record at the University of Colorado Boulder

- **Audiological Rehabilitation** (SLHS 47714) core undergraduate course with 30-50 students per semester (Spring 2017, Fall 2017, Spring 2018, Fall 2018, Fall 2019, Fall 2020)
- **Audiological Assessment: Child** (SLHS 6554) course for 1st year Au.D. students (Spring 2017, Spring 2018, Spring 2019, Spring 2020)
- **Capstone Projects** (have completed the supervision of 9 projects)

Guest Lecturer at the University of North Carolina at Chapel Hill

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5/27/2021

- **Aural Rehabilitation** (2010-15, Instructor: Dr. Melody Harrison)
- **Educational Audiology** (2013-14, Instructor: Dr. Martha Mundy)

Teaching Assistant at The University of North Carolina at Chapel Hill

- **Introduction to Research Design** course for graduate-level, speech-language pathology and Au.D. students (Spring 2009, Instructor: Dr. Lori Leibold)
- **Pediatric Audiology** course for Au.D. students (Spring 2008, Instructor: Dr. Lori Leibold)
- **Introduction to Research Design** course for graduate-level, speech-language pathology and audiology students (Spring 2008, Instructor: Dr. Lori Leibold)
- **Introduction to Research Design** course for graduate-level, speech-language pathology students (Spring 2007, Instructor: Dr. Lisa Hammett Price)

Teaching Assistant at University of Rochester

- **Statistical Analysis and Experimental Design** course for undergraduate students majoring in Brain and Cognitive Sciences (Fall 2001, Instructor: Dr. James Ison)

University and National Service Work

- Au.D. Committee member (2017-present): responsibilities include curriculum evaluation, annual Au.D. student assessments (e.g., preliminary exams), and admissions to the Au.D. program at CU Boulder
- Faculty Member for Colorado Leadership Education in Neurodevelopmental and Related Disorders Training Program (LEND) (2017-present)
- Ph.D. Committee member at CU Boulder (2018-present)
- Coordinate monthly SLHS' research symposium (2019)
- Editorial Board Member for the Journal of Speech, Language, and Hearing Sciences (2019-present)

Clinical Certificates

- Certificate in Clinical Competence in Audiology, American Speech-Language Hearing Association (#12083643), 2005-current
- Fellow of the American Academy of Audiology (#41014897), 2006-2013
- Kentucky Audiology License, 2004-2006
- Kentucky Hearing Aid Dispenser License, 2004-2006
- North Carolina Audiology License, 2006-2016
- Colorado Audiology License, 2016-present