

CURRICULUM VITAE

Education

Degree	Awarding Institution	Date	Specialty
Postdoctoral	Boys Town National Research Hospital	07/2006	Psychoacoustics
Ph.D.	University of Washington	05/2004	Auditory Development
M.Sc.	University of Western Ontario	05/1997	Audiology
B.Sc.	McMaster University	05/1994	Biology

Licensures and Certifications

- 2014-present Licensure in Audiology, State of North Carolina, Board of Examiners for Speech and Language Pathologists and Audiologists
- 1997-present Clinical Certification in Audiology, Canadian Association of Speech Language Pathologists and Audiologists.

Professional Experience and Employment History

- 2015-present Director, Center for Hearing Research, Boys Town National Research Hospital, Omaha, NE
- 2015-present Adjunct Associate Professor, Department of Allied Health Sciences, The University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2012-2015 Associate Professor, Department of Allied Health Sciences, The University of North Carolina at Chapel Hill, Chapel Hill, NC
- 2006-2012 Assistant Professor, Department of Allied Health Sciences, The University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1998-2002 Graduate Student Lecturer and Laboratory Instructor, Department of Speech and Hearing Sciences, University of Washington, Seattle, WA
- 1997-1998 Clinical Audiologist, The Royal Victoria Hospital, Barrie, ON

Honors and Awards

- 2008 Lessons for Success Emerging Scientist Development Award: American Speech-Language-Hearing Association and the National Institutes of Health
- 2002 Huckabay Teaching Fellowship, University of Washington

Bibliography

Refereed Articles

- Calandruccio L, Leibold LJ, Buss E. 2016. Linguistic masking release in school-age children and adults. *Am J Audiol.* 25: 34-40. PMID: 26974870
- Leibold LJ, Bonino AY, Buss E. 2016. Masked speech perception in infants, children and adults. *Ear Hear.* 37: 345-352. PMID: 26783855
- Bonino AY, Leibold LJ. 2015. Adults, but not children, benefit from a pretrial signal cue in a random-frequency, two-tone masker. *J Acoust Soc Am.* 138: EL8-13. PMID: 26233066

- Leibold LJ, Hodson H, McCreery RW, Calandruccio L, Buss E. 2014. Effects of low-pass filtering on the perception of word-final plurality markers in children and adults with normal hearing. *Am J Audiol.* 23: 351-358. PMID: PMC4282933
- Corbin NE, Bonino AY, Buss E, Leibold LJ. 2015. Development of open-set word recognition in children: Speech-shaped noise and two-talker speech maskers. *Ear Hear.* 138: EL8-13. PMID: 26233066
- Hillock-Dunn A, Taylor C, Buss E, Leibold LJ. 2014. Assessing speech perception in children with hearing loss: What conventional clinical tools may miss. *Ear Hear.* 36: E57-60. PMID: 26226605
- Browning J, Buss E, Leibold LJ. 2014. Preliminary evaluation of a two-interval, two-alternative infant behavioral testing procedure. *J Acoust Soc Am.* 126: EL236-EL241. PMID: PMC4144168
- Leibold LJ, Hodson H, McCreery RW, Calandruccio L, Buss E. 2014. Effects of low-pass filtering on the perception of word-final plurality markers in children and adults with normal hearing. *Am J Audiol.* 23: 351-358. PMID: PMC4282933
- Buss E, Taylor C, Leibold LJ. 2014. Factors affecting sensitivity to frequency in school-age children and adults. *J Speech Lang Hear Res.* 57: 1972-1982. PMID: PMC4192033
- Baker M, Buss E, Jacks A, Taylor C, Leibold LJ. 2014. Children's perception of speech produced in a two-talker background. *J Speech Hear Res.* 57: 327-337. PMID: PMC24687476
- Calandruccio L, Gomez B, Buss E, Leibold LJ. 2014. Development and preliminary evaluation of a pediatric Spanish-English speech perception task. *Am J Audiol.* 23: 158-172. PMID: PMC4282934
- Hillock-Dunn A, Buss E, Duncan N, Roush PA, Leibold LJ. 2014. Effects of nonlinear frequency compression on speech identification in children with hearing loss. *Ear Hear.* 35:353-365. PMID: PMC4301569
- Baker M, Buss E, Jacks A, Taylor C, Leibold LJ. 2014. Children's perception of speech produced in a two-talker background. *J Speech Hear Res.* 57: 327-337. PMID: 24687476 [PubMed – in process]
- Bonino AY, Buss E, Leibold LJ. 2013. Effect of signal-temporal uncertainty during childhood: Detection of a tonal signal in a random-frequency, two-tone masker. *J Acoust Soc Am.* 134: 4446-4457. PMID: PMC3529824
- Leibold LJ, Hillock-Dunn AH, Duncan N, Roush PA, Buss E. 2013. Influence of hearing loss on children's identification of spondee words in a speech-shaped noise or a two-talker masker. *Ear Hear.* 34: 575-584. PMID: 23492919 [PubMed – indexed for Medline]
- Leibold LJ, Buss E 2013. Children's identification of consonants in a two-talker masker or speech-shaped noise. *J Speech Lang Hear Res.* 56: 1144-1155. PMID: PMC3981452
- Bonino AY, Leibold LJ, Buss E. 2013. Release from perceptual masking for children and adults: Benefit of a carrier phrase. *Ear Hear.* 34: 3-14. PMID: PMC3529824
- Leibold LJ, Neff DL. 2011. Masking by a remote-frequency noise band in children and adults. *Ear Hear.* 32: 663-666. PMID: PMC3136567
- Leibold LJ, Hitchens JJ, Neff DL, Buss E. 2010. Excitation-based and informational masking of a tonal signal in a four-tone masker. *J Acoust Soc Am.* 127: 2441-2450. PMID: PMC286570.
- Leibold, LJ, Bonino AY. 2009. Release from informational masking in children: Effect of multiple signal bursts. *J Acoust Soc Am.* 125: 2200-2208. PMID: PMC2736737.
- Leibold LJ, Tan H, Jesteadt W. 2009. Spectral weights for sample discrimination as a function of overall level. *J Acoust Soc Am.* 125: 339-346. PMID: PMC2659502.

- Bonino AY, Leibold LJ. 2008. The effect of signal-temporal uncertainty on detection in bursts of noise or a random-frequency complex. *J Acoust Soc Am.* 124: EL321-EL327. PMID: PMC2677353.
- Leibold LJ, Jesteadt W. 2007. Use of perceptual weights to test a model of loudness summation. *J Acoust Soc Am.* 122: EL69-EL73.
- Leibold LJ, Neff DL. 2007. Effects of masker-spectral variability and masker fringes in children and adults. *J Acoust Soc Am.* 121: 3666-3676.
- Leibold LJ, Tan H, Khaddam S, Jesteadt W. 2007. Contributions of individual components to the overall loudness of a multi-tone complex. *J Acoust Soc Am.* 121: 2822-2831.
- Leibold LJ, Werner LA. 2007. Infant auditory sensitivity to pure tones and frequency-modulated tones. *Infancy.* 12: 225-233.
- Leibold LJ, Werner LA. 2006. Effect of masker-frequency variability on the detection performance of infants and adults. *J Acoust Soc Am.* 119: 3960-3970.
- Leibold LJ, Werner LA. 2002. Relationship between intensity and reaction time in normal-hearing infants and adults. *Ear Hear.* 23: 92-97.

Refereed Oral Presentations and/or Abstracts

- Leibold LJ 2015 (invited oral presentation). Nuts and bolts of binaural hearing. 8th Annual Loeb Family Foundation Symposium at the Childhood Communication Center of Seattle Children's Hospital; Oct 24; Seattle, WA
- Leibold LJ (invited oral presentation). Consequences of unilateral hearing loss on hearing in natural acoustic environments. 8th Annual Loeb Family Foundation Symposium at the Childhood Communication Center of Seattle Children's Hospital. Oct 24; Seattle, WA
- Porter HL, Leibold LJ, Buss E. 2015. Masked speech recognition in a single-talker or a single-talker-plus-noise masker in school-age children and adults. The 170th Meeting of the Acoustical Society of America; May 18-21; Pittsburgh, PA
- Corbin N, Buss E, Bonino AY, Leibold LJ. 2015. Spatial release from masking: Effects of simulated unilateral hearing loss. Scientific and Technical Meeting of the American Auditory Society; Mar 5-7; Scottsdale, AZ
- Drescher M, Bonino AY, Teagle H, Buss E, Greaver L, Leibold LJ. 2015. Speech-on-speech recognition for children with cochlear implants. The Scientific and Technical Meeting of the American Auditory Society; Mar 5-7; Scottsdale, AZ
- Leibold LJ, Lockhart S, Calandruccio L, Buss E. 2015. Effect of number of masking talkers on speech-on-speech recognition for children and adults. The 38th MidWinter Meeting of the Association for Research in Otolaryngology; Feb 21-25; Baltimore, MD
- Calandruccio L, Leibold LJ, Buss E. 2014. Speech-on-speech masking for children. The 168th Meeting of the Acoustical Society of America; Oct 27-31; Indianapolis, IN
- Leibold LJ, Corbin N, Buss E. 2014. Speech-on-speech recognition in children: Effects of age, hearing sensitivity, and timing of intervention. The Auditory System Gordon Research Conference - Encoding Hearing: from Genes to Behavior; July 13-18; Lewiston, ME
- Buss E, Porter H, Leibold LJ, Grose J, Hall JW. 2014. Effects of self-generated noise on estimates of detection threshold in quiet in school-age children and adults. The 167th Meeting of the Acoustical Society of America; May 5-9; Providence, RI

- Leibold LJ, Buss E, Hall JW. 2014. Masked speech recognition in school-age children and adults: Effects of age, masker type, and context. The 167th Meeting of the Acoustical Society of America; May 5-9; Providence, RI
- Buss E, Porter HL, Leibold LJ, Grose JH, Hall JW. 2014. Effects of self-generated noise on estimates of detection threshold in quiet in school-age children and adults. The 167th Meeting of the Acoustical Society of America; May 5-9; Providence, RI
- Browning J, Buss E, Leibold LJ. 2014. Development and verification of a two-interval, forced-choice infant behavioral testing procedure. The Scientific and Technical Meeting of the American Auditory Society; Mar 6-8; Scottsdale, AZ
- Corbin N, Buss E, Leibold LJ. 2014. Word recognition in competing backgrounds: Effects of development and hearing. The Scientific and Technical Meeting of the American Auditory Society; Mar 6-8; Scottsdale, AZ
- Calandruccio L, Gomez B, Buss L, Leibold LJ. 2013. Speech-on-speech masking for children and adults: Effects of target/masker language mismatch. American Speech, Language and Hearing Annual Convention; Nov 14; Chicago, IL
- Leibold LJ. 2013 (invited oral presentation). The development of hearing. Listening in complex environments. The 16th Annual Conference of the Canadian Academy of Audiology; Oct 16-19; St. John's, Newfoundland
- Leibold LJ, Taylor AN, Hillock-Dunn A, Buss E. 2013. Effect of talker sex on infants' and adults' detection of spondee words in a two-talker or a speech-shaped noise masker. The 165th Meeting of the Acoustical Society of America; June 2-7; Montreal, Quebec
- Taylor CN, Buss E, Leibold LJ 2013. Factors affecting frequency discrimination in school-aged children and adults. The 165th Meeting of the Acoustical Society of America; June 2-7; Montreal, Canada
- Leibold LJ, Bonino AY, Buss E. 2013. Masked speech detection in infants, children and adults. The Scientific and Technical Meeting of the American Auditory Society; Mar 7-10; Scottsdale, AZ
- Gomez B, Calandruccio L, Buss E, Leibold LJ. 2013. Energetic and informational masking of speech for Spanish/English bilingual children. The Scientific and Technical Meeting of the American Auditory Society; Mar 7-10; Scottsdale, AZ
- Calandruccio L, Buss E, Leibold LJ. 2013. Speech-on-speech masking for children: male vs. female talkers. The Scientific and Technical Meeting of the American Auditory Society; Mar 7-10; Scottsdale, AZ
- Leibold LJ, Buss E. 2013. Remote-frequency masking in school-aged children and adults: Effects of spectral proximity and masker bandwidth. The 36th MidWinter Meeting of the Association for Research in Otolaryngology; Feb 16-20; Baltimore, MD
- Hillock-Dunn A, Duncan N, Roush PA, Buss E, Leibold LJ. 2012. Effect of frequency compression hearing aids on speech identification in children with hearing loss. The Scientific and Technical Meeting of the American Auditory Society; Mar 8-10; Scottsdale, AZ
- Baker M, Buss E, Leibold LJ. 2012. Children's perception of speech produced in noise. The Scientific and Technical Meeting of the American Auditory Society; Mar 8-10; Scottsdale, AZ

- Hillock-Dunn A, Leibold LJ, Buss E. 2011. Remote-frequency masking of a 4000 Hz signal by a 500-1000 Hz noise band. The 161st Meeting of the Acoustical Society of America; May 23-27; Seattle, WA
- Bonino AY, Leibold LJ, Buss E. 2011. Effect of signal-temporal uncertainty during childhood: Detection of a tonal signal in a random-frequency, two-tone masker. The 161st Meeting of the Acoustical Society of America; May 23-27; Seattle, WA
- Leibold LJ, Buss E. 2011 (invited oral presentation). Developmental effects in susceptibility to remote-frequency masking. The 161st Meeting of the Acoustical Society of America; May 23-27; Seattle, WA
- Buss E, Leibold LJ, Grose JH, Hall JW. 2011 (invited oral presentation). Effects of stimulus variability in auditory development. The 161st Meeting of the Acoustical Society of America; May 23-27; Seattle, WA
- Leibold LJ, Hillock-Dunn A, Buss E. 2011. Children's identification of consonants in a two-talker masker or speech-shaped noise. The Scientific and Technical Meeting of the American Auditory Society; Mar 3-5; Scottsdale, AZ
- Bonino AY, Leibold LJ, Buss E. 2009. An investigation of the mechanisms responsible for carrier phrase benefit for word recognition in the presence of a two-talker masker. The 157th Meeting of the Acoustical Society of America; May 18-22; Portland, OR
- Leibold LJ, Hitchens JJ, Buss E. 2009. Energetic and informational masking of a tonal signal in a 4-tone masker complex. The 32nd MidWinter Meeting of the Association for Research in Otolaryngology; Feb 14-19; Baltimore, MD
- Bonino AY, Leibold LJ, Buss E. 2009. Release from perceptual masking in children and adults: Benefit of a carrier phrase. The 32nd MidWinter Meeting of the Association for Research in Otolaryngology; Feb 14-19; Baltimore, MD
- Werner LA, Leibold L, Miller D. 2008. Stimulus characteristics that promote infants' sound separation. The XVIth International Conference on Infant Studies; Mar 27-29; Vancouver, Canada
- Leibold LJ, Fleenor LL, Buss E, Lotto A. 2008. Effects of noise on children's speech identification. The Scientific and Technical Meeting of the American Auditory Society; Mar 6-8; Scottsdale, AZ
- Bonino AY, Leibold LJ. 2008. Temporal signal uncertainty in the presence of a random-frequency masker. The Scientific and Technical Meeting of the American Auditory Society; Mar 6-8; Scottsdale, AZ
- Lotto A, Vitela A, Sullivan S, Leibold LJ. 2008. Perceptual insertion of phonetic segment induced by speech-shaped noise. The Scientific and Technical Meeting of the American Auditory Society; Mar 6-8; Scottsdale, AZ
- Leibold LJ, Rawn C. 2008. Masking release with temporal asynchrony in children and adults. The 31st Annual MidWinter Meeting for the Association for Research in Otolaryngology; Feb 16-21; Phoenix, AZ
- Leibold LJ. 2007 (invited oral presentation). The importance of establishing a time course for typical auditory development. A Sound Foundation through Early Amplification: Fourth International Pediatric Conference; Dec 6-8; Chicago, IL
- Bonino AY, Leibold LJ 2007. Children's and adults' performance for PBK words in noise: Effect of spectro-temporal coherence. A Sound Foundation through Early Amplification: Fourth International Pediatric Conference; Dec 6-8; Chicago, IL

- Leibold LJ, Buss E. 2007. An examination of the relation between reaction time and loudness using perceptual weights. The 153rd Meeting of the Acoustical Society of America; June 4-8; Salt Lake City, UT
- Leibold LJ, Neff DL, Werner LA. 2007. Masking by a remote-frequency noise band in children and adults. The Scientific and Technical Meeting of the American Auditory Society; Mar 3-6; Scottsdale, AZ
- Jesteadt W, Khaddam S, Tan H, Leibold LJ. 2007. Prediction of behavioral thresholds using a model of partial loudness. The 30th Annual MidWinter Meeting for the Association for Research in Otolaryngology; Feb 10-15; Denver, CO
- Werner LA, Leibold LJ. 2007. Infants' and adults' thresholds for a tone masked by constant, remote-frequency maskers. The 30th Annual MidWinter Meeting for the Association for Research in Otolaryngology; Feb 10-15; Denver, CO
- Jesteadt W, Leibold LJ, Khaddam S, Messersmith J, Krivohlavek M. 2006. Observed variability in d' for yes-no and two-interval forced choice procedures. The 4th Joint Meeting of the Acoustical Society of American and the Acoustics Society of Japan; Nov 28-Dec 2; Honolulu, HI
- Leibold LJ, Jesteadt W. 2006 (invited oral presentation). Use of perceptual weights to test a model of loudness summation. The 4th Joint Meeting of the Acoustical Society of American and the Acoustics Society of Japan; Nov 28-Dec 2; Honolulu, HI
- Neff DL, Jesteadt W, Leibold LJ. 2006. Sample discrimination of frequency differences with ipsilateral and contralateral distracters. The 4th Joint Meeting of the Acoustical Society of American and the Acoustics Society of Japan; Nov 28-Dec 2; Honolulu, HI
- Leibold LJ, Neff DL, Jesteadt W. 2005. Effects of reduced spectral uncertainty and masker fringes with multitonal maskers. The 150th Meeting of the Acoustical Society of America; Oct 17-21; Minneapolis, MN
- Werner LA, Leibold LJ 2005. Thresholds for a tone masked by constant, remote-frequency maskers. The 150th Meeting of the Acoustical Society of America; Oct 17-21; Minneapolis, MN
- Leibold LJ, Khaddam S, Jesteadt W. 2005. Contributions of individual components to the overall loudness of a multi-tone complex. The 149th Meeting of the Acoustical Society of America; May 16-20; Vancouver, BC
- Leibold LJ, Neff DL, Jesteadt W. 2005. An examination of temporal-signal uncertainty for sequences of noise or random-frequency maskers. The 149th Meeting of the Acoustical Society of America; May 16-20; Vancouver, BC
- Leibold LJ, Werner LA. 2005. Informational masking in infancy. The Scientific and Technical Meeting of the American Auditory Society; Mar 20-22; Scottsdale, AZ
- Leibold LJ, Werner LA. 2004. Infants' and adults' detection thresholds for frequency-modulated (FM) pure-tones in noise. The 27th Annual MidWinter Meeting for the Association for Research in Otolaryngology; Feb 22-26; Daytona Beach, FL
- Leibold LJ, Werner LA. 2003 (invited oral presentation). Infants' detection in the presence of masker uncertainty. The 145th Meeting of the Acoustical Society of America; Apr 28-May 2; Nashville, TN
- Leibold LJ, Werner LA. 2002. Listening strategies used by normal-hearing adults during loudness estimation. The 144th Meeting of the Acoustical Society of American; Dec 2-6; Cancun, Mexico

- Leibold LJ, Werner LA. 2002. Reaction time (RT)–intensity functions from individual infants and adults. The Scientific and Technical Meeting of the American Auditory Society; Mar 14-16; Scottsdale, AZ
- Leibold LJ, Werner LA. 2002. Examining reaction time (RT)-intensity functions in normal-hearing infants and adults. The 25th Annual MidWinter Meeting for the Association for Research in Otolaryngology; Jan 27-31; St. Petersburg, FL
- Leibold LJ, Werner LA. 2001. The effect of listening strategy on loudness growth in normal-hearing adults. The 24th Annual MidWinter Meeting for the Association for Research in Otolaryngology; Feb 4-8; St. Petersburg, FL
- Leibold LJ, Folsom RC, Werner LA. 2000. An examination of loudness using non-traditional measures. The Annual Meeting of the Canadian Academy of Audiology; Toronto, ON

Books and Chapters

- Leibold LJ, Werner LA. 2012. Maturation of the auditory system (Ch. 17). In: Tremblay K, Burkard R, editors. Translational Perspectives in Auditory Neuroscience (pp. 207-224). San Diego (CA): Plural Publishing
- Leibold LJ. 2011. Development of auditory scene analysis and auditory attention (Ch. 5). In: Werner LA, Popper AN, Fay RR, editors. Handbook of Auditory Research: Human Auditory Development (pp. 137-162). New York (NY): Springer
- Werner LA, Leibold LJ. 2010. Auditory development in normal-hearing children (Ch. 4). In: Seewald R, Tharpe AM, editors. Comprehensive Handbook of Pediatric Audiology (pp.63-82). San Diego (CA): Plural Publishing
- Jesteadt W, Leibold LJ. 2010. Loudness in the laboratory part I: Steady state sounds (Ch. 5). In: Florentine M, Popper AN, Fay RR, editors. Springer Handbook of Auditory Research: Loudness (pp. 109-144). New York (NY): Springer
- Leibold LJ, Bonino AY, Fleenor L. 2008. The importance of establishing a time course for typical auditory development (pp. 35-42). In: Bamford JM, Seewald RC, editors. A Sound Foundation through Early Amplification. Switzerland: Phonak
- Werner LA, Leibold, LJ. 2004. Ecological developmental psychoacoustics (192-217). In: Neuhoff J, editor. Ecological Psychoacoustics. San Diego (CA): Elsevier

Online Resources

- Leibold LJ. 2008. Parent/Caregiver Narrative: Auditory development [Internet]. In: Phillips LM, editor. Handbook of Language and Literacy Development: A Roadmap from 0 - 60 Months. London (ON): Canadian Language and Literacy Research Network. Available from: <http://www.theroadmap.ualberta.ca/>
- Leibold LJ 2008. Research Review: Auditory Development [Internet]. In: Phillips LM, editor. Handbook of Language and Literacy Development: A Roadmap from 0 - 60 Months. London (ON): Canadian Language and Literacy Research Network. Available from: <http://www.theroadmap.ualberta.ca/>

Other Un-refereed Works

- Leibold LJ. 2010. Letters from Richard's students. Canadian Hearing Report 4. Available from: <http://andrewjohnpublishing.com/CHR/>

Teaching Record

Course Director/Instructor

Doctoral Seminar in Hearing Science (SPHS 802), fall 2013, AUD and PHD students, and postdoctoral fellows

Independent Study (SPHS 830), 2008-2015, currently supervising 1-3 students per semester, AUD, SLP, and PHD students

Instructor, Pediatric Audiology (SPHS 811), spring semester 2007 and 2008, fall semester 2008-2015, AUD students

Instructor, Introduction to Research Methods (SPHS 701), spring semester 2008, 2009, and 2011, SLP and AUD students

Instructor, Instrumentation and Calibration (SPHS 820), summer semester 2008, AUD students

Co-Instructor, Hearing Disorders (SPHS 725), spring semester 2007, AUD students

Guest Lectures and Presentations at UNC-CH

Leibold LJ 2014, 2015. Pseudoscience in audiology. Guest lecture presented to 1st year AuD students enrolled in Research Resources and Tools (Instructor: Jackson Roush), Division of Speech and Hearing Sciences.

Calandrucchio L, Leibold LJ, Williams S 2013. Research considerations for AUD students. A three session workshop for 1st and 2nd year AUD students, Division of Speech and Hearing Sciences

Leibold LJ, 2013. Considerations for multivariate analysis in hearing science. Guest lecture presented to PHD students enrolled in Research in Speech and Hearing Sciences A (Instructor: Karen Erickson), Division of Speech and Hearing Sciences

Leibold LJ. 2008-present. An overview of auditory development. Guest lecture presented to SLP and AUD students enrolled in Aural Rehabilitation (Instructor: Melody Harrison), Division of Speech and Hearing Sciences

Cutchin M, Leibold LJ, Williams S. 2011. Research career trajectories for successful federal funding through the National Institutes of Health. Discussion panel for graduate students, staff and faculty for the Allied Health Sciences Research Series, Department of Allied Health Sciences

Leibold LJ. 2008 and 2009. NIH grants writing experiences. Guest lectures presented to PhD students enrolled in Grant Writing (Instructor: Karen Erickson), Department of Allied Health Sciences

Leibold LJ. 2007 and 2008. Sound editing using audacity. Guest lectures presented to SLP and AUD students enrolled in The Computer as a Research Tool (Instructor: Jackson Roush), Division of Speech and Hearing Sciences

Leibold LJ. 2007. Postdoctoral training in speech and hearing sciences. Presentation at the SPHS Doctoral Student Proseminar, Division of Speech and Hearing Sciences

Leibold LJ. 2006. Susceptibility to auditory masking in infants and children. Presentation at the Developmental Psychology Lunch Seminar Series, Department of Psychology

Continuing Education Lectures and Workshops at UNC-CH

Leibold LJ. 2006 (invited presentation). Auditory development. Third Biennial UNC-CH Pediatric Audiology Symposium. Chapel Hill, NC

Calandrucchio LC, Gomez B, Buss E, Leibold LJ 2013 (invited presentation). Development of a new speech perception tool for Spanish/English bilingual children. Breakfast and learn lecture series. Department of Otolaryngology/Head and Neck Surgery

Continuing Education Lectures and Workshops Outside UNC-CH

Storkel H, Patel R, Leibold LJ, Kaushanskaya, M. 2012 (invited presentation). Considering Joining the Next Generation of Researchers? Talk With Us. ASHA Annual Convention. Atlanta, GA

Leibold LJ. 2011 (invited presentation). Challenges in teaching pediatric diagnostics. 4th Biennial Teaching Audiology Conference: The Art and Science of Teaching Challenging Topics in Pediatric and Educational Audiology. University of Pittsburgh, Pittsburgh, PA

Roush P, Duncan N, Leibold LJ 2010 (invited presentation). New strategies for improving high-frequency audibility in children. The 2010 Fall Conference for the North Carolina Speech, Language and Hearing Association, Greensboro, NC

Leibold LJ. 2008 (invited presentation). Infant hearing development: Translating research findings into clinical practice. The 2008 American Speech-Language-Hearing Convention, Chicago, IL

Directed Student Learning

Supervision of mentored research experiences for UNC-CH students is summarized below.

Student Degree	Student Name	Research Completed
Doctor of Philosophy (PhD)	Nicole Corbin	2013-present
	Angela Yarnell Bonino	2008-2012
Doctor of Audiology (AUD)	Jenna Browning	2013-present
	Molly Drescher	2013-present
	Lauren Charles	2013-present
	Hannah Hodson	2011-present
	Bianca Gomez	2011-2013
	Susan Cheung	2010-2013
	Mallory Baker	2009-2013
	Abby Bennett	2010-2012
	Alex Gery	2011-2012
	Lena Kyman	2009-2011
	Brittany Richardson	2008-2010
	Ashley Halbach	2008-2010
	Jack Hitchens	2008-2010
Alex O-Dell	2008-2009	
Caitlin Rawn	2007-2009	
Master's in Speech Language Pathology (SLP)	Abries Farhad	2013-present
	Chas Phillip	2008-2009
Undergraduate	Jacqueline Drexler	2012-2013
	Kacie Updike	2007

Graduate Supervision and Committees

Nicole Corbin (2013-present), PhD student in the Division of Speech and Hearing Sciences at UNC-CH. Pre-dissertation research title: "The influence of hearing loss and listening experience on speech perception in noise for school-age children"

Role: Primary doctoral advisor

Mona Oster (2016-present), PhD student in Speech and Hearing Sciences at the University of Washington.

Role: Doctoral dissertation committee

Jenna Browning (2013-present), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Development and verification of a two-interval, forced-choice infant behavioral testing procedure"

Role: AUD research project advisor

Lauren Charles (2014-present), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Effects of self-generated noise on the phenomenon formerly known as "The Missing 6 dB": Child-adult differences.

Role: AUD research project advisor

Hannah Hodson (2012-present), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "The influence of high-frequency audibility on a clinical measure of word-final plural detection"

Role: AUD research project advisor

Sara Mamo (2009-present), PhD student in Division of Speech and Hearing Sciences at UNC-CH

Role: Doctoral advisory and comprehensive examination committee member

Bianca Gomez (2012-2013), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Energetic and Informational Masking of Speech by English/Spanish Bilingual Children"

Role: AUD research project advisor

Susan Cheung (2012-2013), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Assessing Speech Perception in the Noisy Classroom: Creation of a Spondee Identification Measure in the Presence of a Masker Comprised of Two Children Talking"

Role: AUD research project advisor (LEND)

Angela Yarnell Bonino (graduated 2012), PhD student in Division of Speech and Hearing Sciences at UNC-CH. Dissertation title: "Effects of signal-temporal uncertainty during childhood"

Role: Doctoral dissertation advisor

Mallory Baker (2011-2012), AUD student in Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Children's perception of speech produced in the presence of competing speech"

Role: AUD research project advisor

Jacqueline Drexler (2011-2012), Undergraduate student in Division at UNC-CH. Undergraduate research title: "The relation between clinical measures of speech perception in quiet and laboratory measures of speech perception in competing noise or speech"

Role: Undergraduate research project advisor

Nicole Duncan (2009-2011), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Children's Outcomes with Frequency-Compression Hearing Aids: A Survey of Audiologists"

Role: AUD research project advisor

Marlene Baggatto (2010), PhD student in Communication Sciences and Disorders at the University of Western Ontario

Role: Doctoral comprehensive examination committee member

Kendra Christensen (2009-2010), SLP student in the Division of Speech and Hearing Sciences at UNC-CH.

Role: Master's thesis committee member (note: on maternity leave for oral defense)

Caitlin Rawn (2008-2009), AUD student in the Division of Speech and Hearing Sciences at UNC-CH. Graduate research title: "Consonant Confusions in Quiet for Children with Normal Hearing Sensitivity"

Role: AUD research project advisor

Chas Phillip (2008-2009), SLP student in the Division of Speech and Hearing Sciences. Graduate Research title: "Development of a Multi-Talker Word Corpus"

Role: SLP research project advisor

Postdoctoral Fellows

Mary Flaherty (2016-present), Postdoctoral Fellow at Boys Town National Research Hospital. Postdoctoral research title: "Do children with hearing loss benefit from F0 target/masker mismatches in the context of speech-in-speech recognition?"

Role: Mentor

Heather Porter (2014-2015), Postdoctoral Fellow in the Department of Otolaryngology/Head and Neck Surgery at UNC-CH. Postdoctoral research title: "Mechanisms of Auditory Temporal Processing Maturation"

Role: Co-Mentor

Andrea Hillock-Dunn (2010-2013), Postdoctoral Fellow in the Division of Speech and Hearing Sciences at UNC-CH. Postdoctoral research title: "Effects of nonlinear frequency compression on speech identification in children with hearing loss"

Role: Mentor

Grants

Ongoing Research Support

The NIH/NIDCD is funding "Susceptibility to and Release from Masking in Infancy and Childhood" (March 2011 – February 2016) an R01 (DC011038) providing \$1,835,792

across the funding period.
Role: Principal investigator

The National Library of Medicine is funding an administrative supplement to the parent grant “Susceptibility to and Release from Masking in Infancy and Childhood” (March 2014 – February 2016) for Informationist infrastructure support, providing \$76,000 across the funding period.

Role: Principal investigator

The American Speech-Language-Hearing Foundation is funding “Speech Perception Outcomes for Children with Hearing Loss: Balanced versus asymmetric Nonlinear Frequency Compression Amplification” (November 2014-October 2016), a Clinical Research Grant providing \$75,000 across the funding period. The PI is Andrea Hillock-Dunn (Vanderbilt University).

Role: Consultant (no-cost)

Completed

The March of Dimes Foundation funded “The Influence of Hearing Loss on the Development of Auditory Behavior: Children's Outcomes with Frequency-Compression Hearing Aids” (February 2010 – January 2012) a Basil O'Connor Starter Research Grant (#FY10-28) providing \$150,000 across the funding period.

Role: Principal investigator

The NIH/NIDCD funded “Effects of Signal-Temporal Uncertainty in Children and Adults” (September 2009 – August 2010) an F31 predoctoral NRSA fellowship (DC010308) providing \$60,523 across the two-year funding period. The trainee was Angela Yarnell Bonino.

Role: Co-sponsor with Emily Buss

The University of North Carolina at Chapel Hill funded “Children's Outcomes with Frequency-Compression Hearing Aids” (January 2009-December 2010), a University Research Council Grant that provided \$4,960 across the funding period.

Role: Principal Investigator with Emily Buss and Patricia Roush

The NIH/NIDCD funded “Susceptibility to and Release from Masking in Children and Adults” (August 2007-July 2010), an R03 (DC008389-01A1) that provided \$219,000 across the funding period.

Role: Principal investigator

The American Academy of Audiology Foundation funded “Children's Speech Perception in Noise: Ability to Use a Carrier Phrase to Separate the Target from the Background” (July 2008-June 2009), a Student Investigator Award that provided \$5,000 across the funding period. The student investigator was Angela Yarnell Bonino.

Role: Sponsor

The University of North Carolina at Chapel Hill funded “Sound Separation during Infancy” (January 2008-January 2009), a Junior Faculty Development Grant that provided \$7,500 across the funding period.

Role: Principal investigator

Professional Service

Service to Discipline

2014 Ad hoc reviewer, Developmental Science

2013 Ad hoc reviewer, AUD study section, National Institutes of Health (NIDCD)

2012, 2008	Reviewer, American Speech-Language-Hearing Foundation Research Grants
2011-present	Reviewer, American Speech-Language-Hearing Association Audiology/Hearing Science Research Travel Award
2010-present	Member, review panel, Judy Gravel Fellowship in Pediatric Audiology
2009-present	Member, External Advisory Committee, NIH/Boys Town National Research Hospital T32 postdoctoral training program
2009-present	Ad hoc reviewer, Cognition
2008-present	Ad hoc reviewer, Ear and Hearing
2005-present	Ad hoc reviewer, Journal of Speech, Language and Hearing Research
2005-present	Ad hoc reviewer, Journal of the Acoustical Society of America
2010-2013	Technical Committee Member, Psychological and Physiological Acoustics. The Acoustical Society of America
2011	Chair, poster session for Psychological and Physiological Acoustics: Masking and Spectral Processing (4aPP). 161 st Meeting of the Acoustical Society of America, Seattle, WA
2008	Panel Member, The Write Stuff: Lessons for Success in Research. The American Speech-Language-Hearing Association
2006-2007	Session Moderator, Scientific and Technical Meeting of the American Academy of Audiology

Service to Division of Speech and Hearing Sciences at UNC-CH

2013-present	Member, Speech and Hearing Sciences Distinguished Lecturer Committee
2011-present	Head, Speech and Hearing Sciences Research Colloquia Series
2009-present	Member, Speech and Hearing Sciences Ph.D. Program Committee
2008-present	Member, Speech and Hearing Sciences Research Committee
2007-present	Member, Audiology Admissions Committee
2006-present	Member, Audiology Curriculum Committee

Service to Department of Allied Health Sciences at UNC-CH

2013-present	Facilitator, Allied Health Sciences Research Forum
2011-present	Member, Allied Health Sciences Research Advisory Committee
2009	Member, Selection Committee for Allied Health Sciences Grants Administrator Position