

Rosemary A. Lester-Smith

Communication Sciences and Disorders • Moody College of Communication
The University of Texas at Austin
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October 2019

EDUCATION

- Ph.D.** 2014 **The University of Arizona (UA)**, Tucson, AZ
Major: Speech, Language, and Hearing Sciences
Minor: Neuroscience
Certificate in College Teaching: Office of Instruction and Assessment
Dissertation: Modulation of Voice Related to Vocal Tremor and Vibrato
- M.S.** 2019 **Northwestern University (NU)**, Chicago, IL
Major: Clinical Investigation
- M.A.** 2007 **Indiana University (IU)**, Bloomington, IN
Major: Speech and Hearing Sciences
- B.A.** 2004 **University of New Mexico (UNM)**, Albuquerque, NM
Major: Speech and Hearing Sciences
Minor: Psychology

ACADEMIC APPOINTMENTS

- 2018–present Assistant Professor, Communication Sciences and Disorders, Moody College of Communication, University of Texas at Austin (UT)
- 2016–2018 Postdoctoral Fellow, Physical Medicine and Rehabilitation, Feinberg School of Medicine, Northwestern University
- 2016–2018 Research Collaborator, Head and Neck Regeneration Laboratory, Mayo Clinic College of Medicine, Mayo Clinic, Scottsdale, AZ
- 2015–2016 Postdoctoral Associate, Stepp Lab for Sensorimotor Rehabilitation Engineering, Speech, Language, and Hearing Sciences, Boston University, Boston, MA
- 2015 Assistant Professor, Otorhinolaryngology, Mayo Clinic College of Medicine, Mayo Clinic, Phoenix, AZ

CLINICAL EXPERIENCE

- 2014-2015 Speech-Language Pathologist, Otorhinolaryngology, Mayo Clinic, Phoenix, AZ
- 2010-2014 Speech-Language Pathologist, Outpatient and Inpatient Therapy, Northwest Medical Center, Tucson, AZ
- 2012-2013 Speech-Language Pathologist, Outpatient Therapy, University of Arizona Medical Center, Tucson, AZ
- 2007-2009 Speech-Language Pathologist, Therapy Department, Augusta Health, Fishersville, VA

HONORS AND AWARDS – National and International

- 2019-2020 National Institutes of Health Extramural Loan Repayment Program for Clinical Researchers
- 2018-2019 National Institutes of Health Extramural Loan Repayment Program for Clinical Researchers
- 2016-2018 National Institutes of Health Extramural Loan Repayment Program for Clinical Researchers

- 2015 David W. Brewer First Place Award for Best Poster, Voice Foundation Symposium
- 2014 First Place Award for Best Student Paper in Speech Communication, Acoustical Society of America
- 2014 Women in Acoustics Young Investigator Travel Grant, Acoustical Society of America
- 2013 Dystonia Coalition Travel Award, NS065701
- 2013 David W. Brewer Honorable Mention for Best Poster, Voice Foundation Symposium
- 2012 Course Fellowship-Travel Award, Course in Integrated Neuroscience, International Graduate School in Integrated Neuroscience, University of Bergen, Norway
- 2012 Conference Fellowship-Travel Award, Lessons for Success Research Conference: Developing the Emerging Scientist, American Speech-Language-Hearing Association

HONORS AND AWARDS – Local

- 2018 Society for Teaching Excellence, Academy of Distinguished Teachers, The University of Texas at Austin
- 2017 Postdoctoral Professional Development Travel Award, Office of Postdoctoral Affairs, The Graduate School, Northwestern University
- 2016 Travel Grant, Center for Computational Neuroscience and Neural Technology, Boston University
- 2013-2014 Graduate Student Scholarship/Research Award (two-time recipient), Department of Speech, Language, and Hearing Sciences, College of Science, UA
- 2012-2014 Galileo Circle Scholarship (three-time recipient), College of Science, UA
- 2013 Student Travel Awards (two-time recipient), Graduate and Professional Student Council, UA
- 2011-2013 Student Travel Awards (six-time recipient), Department of Speech, Language, and Hearing Sciences, UA
- 2012 Graduate Student Teaching Award, Department of Speech, Language, and Hearing Sciences, College of Science, UA
- 2009-2012 Research Assistantship, Department of Speech, Language, and Hearing Sciences, UA
- 2011 Thomas J. Hixon Student Research Award

RESEARCH FUNDING

NIH NIDCD Early Career Research Award R21DC017001

Lester-Smith (PI) 07/01/2019 – 06/30/2022

Auditory-Motor Control of Voice in Individuals with Essential Vocal Tremor

\$446,249 (\$300,000 direct; \$146,249 indirect)

National Institute on Disability Independent Living, and Rehabilitation Research (NIDILRR)

Advanced Rehabilitation Research Training Grant 90AR5015

Leora Cherney (PI) 10/01/2012 - 9/30/2017

Interventions for Neurologic Communication Disorders

Role: Postdoctoral Fellow

Mentors: Charles Larson, Ph.D., and Leora Cherney, Ph.D., CCC-SLP

\$746,238

Arizona State University (ASU) & Mayo Clinic Collaborative Research Seed Grant ARI-195784
 David Lott, M.D. (Mayo Clinic PI), Juergen Neubauer, Ph.D. (ASU PI) 01/01/2015 -01/01/2016
 Neuromuscularly-Controlled In Vivo Canine Larynx: A New Experimental Platform to Study
 Neurogenic Voice Disorders
 Role: Co-Investigator
 \$40,000

NIH NIDCD Ruth L. Kirschstein Predoctoral Individual National Research Service Award
 F31DC012697 Lester (PI) 08/10/2012 - 08/10/2014
 Modulation of Voice Related to Tremor and Vibrato
 Sponsor: Brad H. Story, Ph.D.
 \$83,400 (direct)

PUBLICATIONS

Refereed Journal Articles

- Abur, D., **Lester-Smith, R.A.**, Daliri, A., Lupiani, A.A., Guenther, F.H., & Stepp, C.E. (2018). Sensorimotor adaptation of voice fundamental frequency in Parkinson's disease. *PLoS ONE*, 13(10), e0191839, [<https://doi.org/10.1371/journal.pone.0191839>].
- Stepp, C.E., **Lester-Smith, R.A.**, Abur, D., Daliri, A., Noordzij, J., & Lupiani, A. (2017). Evidence for auditory-motor impairment in individuals with hyperfunctional voice disorders. *Journal of Speech, Language, and Hearing Research*, 60, 1545-1550, [http://dx.doi.org/10.1044/2017_JSLHR-S-16-0282].
- Lester-Smith, R.A.**, & Story, B.H. (2016). The effects of physiological adjustments on the perceptual and acoustical characteristics of vibrato as a model of vocal tremor. *Journal of the Acoustical Society of America*, 140(5), 3827-3833, [<http://dx.doi.org/10.1121/1.4967454>].
- Lester, R.A.**, & Story, B.H. (2015). The effects of physiological adjustments on the perceptual and acoustical characteristics of simulated laryngeal vocal tremor. *Journal of the Acoustical Society of America*, 138(2), 953-963, [<http://dx.doi.org/10.1121/1.4927561>].
- Carbonell, K.M., **Lester, R.A.**, Story, B.H., & Lotto, A.J. (2015). Discriminating simulated vocal tremor source using amplitude modulation spectra. *Journal of Voice*, 29(2), 140-147, [<http://dx.doi.org/10.1016/j.jvoice.2014.07.020>].
- Fuglevand, A.J., **Lester, R.A.**, & Johns, R.K. (2015). Distinguishing intrinsic from extrinsic factors underlying firing rate saturation in human motor units. *Journal of Neurophysiology*, 113(5), 1310-1322, [<http://dx.doi.org/10.1152/jn.00777.2014>].
- Lester, R.A.**, & Hoit, J.D. (2014). Nasal and oral inspiration during natural speech breathing. *Journal of Speech, Language, and Hearing Research*, 57(3), 734-742, [[http://dx.doi.org/10.1044/1092-4388\(2013/13-0096\)](http://dx.doi.org/10.1044/1092-4388(2013/13-0096))].
- Lester, R.A.**, Barkmeier-Kraemer, J., & Story, B.H. (2013). Physiologic and acoustic patterns of essential vocal tremor. *Journal of Voice*, 27(4), 422-432, [<http://dx.doi.org/10.1016/j.jvoice.2013.01.002>].
- Lester, R.A.**, & Story, B.H. (2013). Acoustic characteristics of simulated respiratory-induced vocal tremor. *American Journal of Speech-Language Pathology*, 22(2), 205-211, [[http://dx.doi.org/10.1044/1058-0360\(2012/12-0043\)](http://dx.doi.org/10.1044/1058-0360(2012/12-0043))].
- Cipriani, N.A., Martin, D.E., Corey, J.P., Portugal, L., Caballero, N., **Lester, R.**, Anthony, B., & Taxy, J.B. (2011). The clinicopathologic spectrum of benign mass lesions of the vocal fold due to vocal abuse. *International Journal of Surgical Pathology*, 19(5), 583-587, [<http://dx.doi.org/10.1177/1066896911411480>].

Refereed Conference Papers

- Lester, R.A.**, & Story, B.H. (2013). Modulation of voice related to simulated vocal fold length change with cricothyroid and thyroarytenoid muscle activation. *Proceedings of the 10th*

International Conference on Advances in Quantitative Laryngology, Voice and Speech Research, 63-64.

Non-Refereed Articles

Lester, R.A. (2014, April). Straight talk on therapy for vocal tremor. Tremor Talk: For Members of the International Essential Tremor Foundation, 4-5. [invited]

CONFERENCE PRESENTATIONS

Lester-Smith, R.A. (November, 2017). The importance of auditory feedback in speech and voice motor control. American Speech-Language-Hearing Association Convention, Los Angeles, CA.

Lester, R.A. (November, 2013). The physiological, acoustical, and perceptual characteristics of vocal tremor. American Speech-Language-Hearing Association Convention, Chicago, IL.

CONFERENCE POSTERS

Lester-Smith, R.A., & Larson, C.R. (May, 2019). Auditory-motor control of pitch in individuals with essential vocal tremor: A pilot study. Presented electronically at the Voice Foundation Symposium, Philadelphia, PA.

Lester-Smith, R.A., Cherney, L.R., & Larson, C.R. (February, 2018). Auditory-motor control of vocal vibrato. Presented by C. Larson at the Conference on Motor Speech, Savannah, GA.

Lester, R.A., & Story, B.H. (March, 2016). Predicting listener perception of simulated laryngeal vocal tremor using a novel measure of pitch modulation strength. Presented at the Conference on Motor Speech, Newport Beach, CA.

Lester, R.A., & Story, B.H. (May, 2015). Acoustical bases for the perception of vibrato as a model of vocal tremor. Presented at the Voice Foundation Symposium, Philadelphia, PA.

First Place Award for Best Poster

Lester, R.A., Story, B.H., & Lotto, A.J. (October, 2014). Acoustical bases for the perception of simulated laryngeal vocal tremor. Presented at the 168th Meeting of the Acoustical Society of America, Indianapolis, IN. ***First Place Award for Best Student Paper in Speech Communication***

Lester, R.A., Story, B.H. (June, 2013). Modulation of voice related to simulated vocal fold length change with cricothyroid and thyroarytenoid muscle activation. Presented at the Advances in Quantitative Laryngology, Voice and Speech Research, Cincinnati, OH.

Lester, R.A., Story, B.H. (June, 2013). Modulation of voice related to tremor and vibrato. Presented at the Voice Foundation Symposium, Philadelphia, PA. ***Honorable Mention for Best Poster***

Carbonell, K.M., Story, B.H., **Lester, R.A., & Lotto, A.J.** (October, 2012). Discriminating vocal tremor source from amplitude modulations. Presented at the 164th Annual Meeting of the Acoustical Society of America, Kansas City, MO.

Lester, R.A., & Hoit, J.D. (April, 2012). Oral vs. nasal breathing during natural speech production. Presented at Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.

Lester, R.A., & Hoit, J.D. (April, 2012). Oral vs. nasal breathing during natural speech production. Presented at the Arizona Speech-Language-Hearing Annual Convention, Phoenix, AZ.

Lester, R.A., & Story, B.H. (March, 2012). Acoustic characteristics of respiratory-induced vocal tremor. Presented at the Conference on Motor Speech, Santa Rosa, CA.

Lester, R.A. (April, 2010). Investigation of the laryngeal physiology of vocal tremor in individuals with essential tremor. Presented at Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.

INVITED PRESENTATIONS

- Lester-Smith, R.A.** (August, 2019). Getting to know your instrument. Voice Seminar, Health Alliance for Austin Musicians, CommUnity Care Southeast Health and Wellness Center, Austin, TX.
- Lester-Smith, R.A.** (April, 2019). Auditory-motor control of voice in healthy and neurologically-impaired speakers. Annual Spring Symposium; Center for Brain, Behavior, and Evolution; UT; Austin, TX.
- Lester-Smith, R.A.** (March, 2019). Simulating essential vocal tremor with vocal vibrato. Think + Speak Lab Research Presentations for Renée Fleming and Team, Shirley Ryan AbilityLab, Chicago, IL.
- Lester-Smith, R.A.** (October, 2018). Simulating essential vocal tremor with vocal vibrato. Think + Speak Lab Research Presentations for VIP Tour, Shirley Ryan AbilityLab, Remote Presentation, Chicago, IL.
- Lester-Smith, R.A.** (July, 2017). Physiological adjustments affect the perceptual and acoustical characteristics of simulated vocal tremor. AbilityLab Research Seminar Series, Shirley Ryan AbilityLab, Chicago, IL.
- Lester-Smith, R.A.** (May, 2017). Assessing dysphonia and improving vocal ability across the continuum of care. Better Speech and Hearing Month Continuing Education Course, Shirley Ryan AbilityLab, Chicago, IL.
- Lester-Smith, R.A.** (December, 2016). Essential vocal tremor: Clinical and research perspectives. Essential Tremor Community Event, Rush-Copley Medical Center, Aurora, IL.
- Lester-Smith, R.A.** (October, 2016). Essential vocal tremor: Clinical and research perspectives. Essential Tremor Support Group Meeting, Rush-Copley Medical Center, Aurora, IL.
- Lester, R.A.** (September, 2015). How well do you know your instrument? Gordon College Department of Music Voice Awareness Day, Boston University, Boston, MA.
- Lester, R.A.** (September, 2015). The effects of physiological adjustments on the perceptual and acoustical characteristics of vocal tremor. Boston Speech Motor Control Working Group, Boston University, Boston, MA.
- Lester, R.A.** (July, 2015). Tremor and dystonia. Geriatric Residency Program, Mayo Clinic, Phoenix, AZ.
- Lester, R.A., & Lott, D.G.** (June, 2015). Neurogenic disorders of voice. Otorhinolaryngology Resident Grand Rounds, Mayo Clinic, Phoenix, AZ.
- Lott, D.G., & **Lester, R.A.** (April, 2015). Glottal incompetence. Otorhinolaryngology Resident Grand Rounds, Mayo Clinic, Phoenix, AZ.
- Lester, R.A., Kang, C., Crujido, L.** (March, 2015). Stroboscopy training for otorhinolaryngology physician assistants. Mayo Clinic, Phoenix, AZ.
- Lester, R.A.** (January, 2015). How well do you know your instrument? Phoenix Opera and Mayo Clinic Southwest Opera Competition: A Showcase of Excellence in Voice and Vocal Health. Mayo Clinic, Scottsdale, AZ.
- Lott, D.G., & **Lester, R.A.** (October, 2014). Normal and disordered swallowing. Otorhinolaryngology Resident Grand Rounds, Mayo Clinic, Phoenix, AZ.
- Lester, R.A.** (July, 2014). Neurogenic voice disorders. Otolaryngology Resident Grand Rounds, University of Arizona Medical Center, Tucson, AZ.
- Lester, R.A.** (July, 2014). Physiology of swallowing. Otolaryngology Resident Grand Rounds, University of Arizona Medical Center, Tucson, AZ.
- Lester, R.A.** (February, 2014). Ethical considerations in speech, language, and hearing research. Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.
- Lester, R.A.** (December, 2013). Neurogenic disorders of voice: Clinical and research perspectives. Neurology Grand Rounds, Mayo Clinic, Phoenix, AZ.

- Lester, R.A.** (November, 2013). Neurogenic disorders of voice and swallowing: Clinical and research perspectives. Otorhinolaryngology Grand Rounds, Mayo Clinic, Phoenix, AZ.
- Black, M., & Lester, R.A.** (March, 2013). Presbyphonia: Impact of voice changes on the aging larynx. Otolaryngology Grand Rounds, University of Arizona Medical Center, Tucson, AZ.
- Lester, R.A., & Dysinger, A.** (October, 2012). Introduction to normal swallowing function, clinical evaluation of swallowing, and acute dysphagia management. National Student Speech-Language-Hearing Association Forum, UA, Tucson, AZ.
- Lester, R.A.** (December-February, 2008). Voice anatomy and physiology, voice disorders, voice evaluation, voice treatment. Voice Education Series, Speech Pathology Department, Augusta Medical Center, Fishersville, VA.

TEACHING EXPERIENCE

Instructor

Lester-Smith, R.A. (Fall 2018 to present). CSD 358: Anatomy and Physiology of the Speech and Hearing Mechanisms, UT, Austin, TX.

Adjunct Instructor

Lester, R.A. (Spring 2014). SPH 557: Dysphagia, UA, Tucson, AZ.

Preceptor

Lester, R.A. (Spring 2012). SPH 261: Anatomy and Physiology of the Speech Mechanism, UA, Tucson, AZ.

Lester, R.A. (Fall 2011). SPH 572: Voice Disorders, UA, Tucson, AZ.

Guest Lecturer

Lester-Smith, R.A. (April, 2019). Neurological voice disorder case studies. CSD 393D: Knowledge and Skills, CSD 367R: Clinical Research in Speech-Language Pathology, CSD 140L: Professional Issues, UT, Austin, TX.

Lester-Smith, R.A. (April, 2017). Neurological voice disorders: Vocal tremor. CSD 493-1: Vocal Physiology and Pathology, NU, Evanston, IL.

Lester, R.A. (November, 2015). Collaborative assessment of spasmodic dysphonia and vocal tremor. SPPA 6410: Voice Disorders, Marquette University, Milwaukee, WI.

Lester, R.A. (April, 2014). Research Misconduct. SLHS 649: Survival Skills and Ethics, UA, Tucson, AZ.

Lester, R.A. (April, 2014). Improving Vocal Health in Singers with Voice Therapy. Music 510: Pedagogy, UA, Tucson, AZ.

Lester, R.A. (March, 2014). Grants and Grantpersonship Panel. SLHS 649: Survival Skills and Ethics, UA, Tucson, AZ.

Lester, R.A. (February, 2014). Ethical Considerations in Speech, Language, and Hearing Research. SLHS 500: Introduction to Research Methods in Speech and Hearing Sciences, UA, Tucson, AZ.

Lester, R.A. (December, 2013). Maintaining Vocal Health in Teachers. Music 250: Introduction to Music Education, UA, Tucson, AZ.

Lester, R.A. (November, 2013). The physiological, acoustical, and perceptual characteristics of vocal tremor. SLHS 575: Neuromotor Speech Disorders, UA, Tucson, AZ.

Lester, R.A., & Black, M. (April, 2013). Voice Evaluation and Treatment. Music 550: Advanced Studies in Teaching: Science-Based Voice Education, UA, Tucson, AZ.

Lester, R.A. (April, 2013). Modulation of Voice Related to Tremor and Vibrato. SLHS 267: Acoustics, UA, Tucson, AZ.

Lester, R.A. (April, 2013). Research Misconduct. SLHS 649: Survival Skills and Ethics, UA, Tucson, AZ.

- Bunton, K., **Lester, R.A.**, Chong, C., Faux, C, Hoit, J. (March, 2013). Applications of nasal ram pressure for evaluating velopharyngeal function. Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.
- Lester, R.A.** (February, 2013). Grants and Grantpersonship Panel. SLHS 649: Survival Skills and Ethics, UA, Tucson, AZ.
- Lester, R.A.** (November, 2012). Maintaining Vocal Health in Teachers. Music 250: Introduction to Music Education, UA, Tucson, AZ.
- Lester, R.A.** (October, 2012). Voice Case Studies. SPH 572: Voice Disorders, UA, Tucson, AZ.
- Lester, R.A.** (October, 2012). Evaluating and Treating the Professional Voice User. SPH 572: Voice Disorders, UA, Tucson, AZ.
- Lester, R.A.** (October, 2012). Evaluation and Treatment of Voice. SPH 477: Adult Communication Disorders, UA, Tucson, AZ.
- Lester, R.A.** (October, 2012). Normal and Disordered Voice. SPH 477: Adult Communication Disorders, UA, Tucson, AZ.
- Lester, R.A.** (September, 2012). Modulation of the voice related to tremor and vibrato. Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.
- Lester, R.A.** (April, 2012). Evaluating Voice. SPH 512: Evaluation Process in Speech-Language Pathology, UA, Tucson, AZ.
- Lester, R.A.** (October, 2011). Disordered Swallowing. SPH 207: Survey of Human Communication and Its Disorders, UA, Tucson, AZ.
- Lester, R.A.** (October, 2011). Disorders of Voice. SPH 207: Survey of Human Communication and Its Disorders, UA, Tucson, AZ.
- Lester, R.A.** (September, 2011). Disorders of Voice. SPH 477: Communication Disorders I, UA, Tucson, AZ.
- Lester, R.A.** (October, 2011). Acoustic characteristics of respiratory-induced vocal tremor. Colloquium, Department of Speech, Language, and Hearing Sciences, UA, Tucson, AZ.
- Lester, R.A.** (November, 2010). Evaluating and Treating the Professional Voice User. SPH 572: Voice Disorders, UA, Tucson, AZ.
- Lester, R.A.** (October, 2010). Disorders of Voice. SPH 207: Survey of Human Communication and Its Disorders, UA, Tucson, AZ.
- Lester, R.A.** (September, 2010). Evaluation and Treatment of Voice. SPH 477: Adult Communication Disorders, UA, Tucson, AZ.
- Lester, R.A.** (September, 2010). Normal and Disordered Voice. SPH 477: Adult Communication Disorders, UA, Tucson, AZ.
- Lester, R.A.**, & Nickerson, L.A. (February, 2010). Review of Anatomy and Physiology of Deglutition. SPH 577: Dysphagia, UA, Tucson, AZ.
- Lester, R.A.**, & Nickerson, L.A. (February, 2010). Anatomy and Physiology of Deglutition: Pharyngeal Stage. SPH 577: Dysphagia, UA, Tucson, AZ.

CLINICAL SUPERVISION, TRAINING, AND MENTORING

2019	Research Advisor, Undergraduate Students (2) and Graduate Students (2), Voice Lab, UT, Austin, TX
2017	Research Co-Supervisor, Graduate Student, Speech Physiology Laboratory, NU, Evanston, IL
2015-2016	Research Supervisor, Undergraduate Student, Stepp Lab for Sensorimotor Rehabilitation Engineering, BU, Boston, MA
2015	Research Supervisor, Undergraduate Student, Stepp Lab for Sensorimotor Rehabilitation Engineering, BU, Boston, MA
2015-2016	Endoscopy Training, Speech-Language Pathologist and Doctoral Student, Stepp Lab for Sensorimotor Rehabilitation Engineering, BU, Boston, MA

2014-2015	Co-Instructor for Residents and Physician Assistant Fellows' Voice Pathology Observations, Otorhinolaryngology, Mayo Clinic, Phoenix, AZ
2014-2015	Co-Supervisor for Arizona State University Masters-Level Clinicians' Voice Pathology Observations, Otorhinolaryngology, Mayo Clinic, Phoenix, AZ
2012-2013	Co-Supervisor, Clinical Fellow in Speech-Language Pathology, Outpatient Therapy, University of Arizona Medical Center, Tucson, AZ

SERVICE

2019	Admissions Review Committee, Master of Arts, Communication Sciences and Disorders, UT
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PEER REVIEW

2019	Language, Cognition, and Neuroscience
2015, 2017, 2018	Journal of Voice
2017	LSVT Global Student Small Grants
2016	ASHA Convention Program Committee, Voice and Alaryngeal Communication Track
2015, 2017, 2019	Journal of Speech, Language, and Hearing Research (1 mentored review)
2014	EURASIP Journal on Audio, Speech, and Music Processing
2013, 2014, 2015	Journal of the Acoustical Society of America (2 mentored reviews)
2013	Motor Speech Conference Proposals for Oral and Poster Presentations
2013, 2014	Graduate and Professional Student Association Travel Grant Applications, UA
2012, 2013, 2017	American Journal of Speech-Language Pathology
2012-2013	Institutional Review Board Applications for Human Research, SLHS, UA

MEMBERSHIPS

2016-2018	National Postdoctoral Association
2015	Acoustical Society of America
2007-present	American Speech-Language-Hearing Association (ASHA)
2009-present	ASHA Special Interest Group 3 for Voice and Voice Disorders
2014-2015	ASHA Special Interest Group 13 for Swallowing and Swallowing Disorders

PROFESSIONAL CERTIFICATION AND LICENSE

2008-present	Certificate of Clinical Competence in Speech-Language Pathology, American Speech-Language-Hearing Association
2019-present	Texas State License in Speech-Language Pathology, Texas Department of Licensing and Regulation, #115428
2017-2019	Illinois State License in Speech-Language Pathology, Department of Financial and Professional Regulation, Division of Professional Regulation, State of Illinois, #146.01360
2015-2018	Massachusetts State License in Speech-Language Pathology, Board of Speech-Language Pathology and Audiology, Division of Professional Licensure, Commonwealth of Massachusetts, #9713

- 2009-2016 Arizona State License in Speech-Language Pathology, Arizona Department of Health Services, #SLP6583
- 2007-2009 Virginia State License in Speech-Language Pathology, Board of Audiology and Speech-Language Pathology, Department of Health Professions, Commonwealth of Virginia, #2202005296
- 2004-2005 New Mexico State License for Speech-Language Pathology Apprentice, New Mexico Regulation and Licensing Department, #3595

SPECIAL TRAININGS

- 2019 disABILITY Advocate Instructor Training, University of Texas, Austin, TX
- 2017 Vital Stim Plus – Neuromuscular Electrical Stimulation and Surface Electromyography Biofeedback Course, Ciao Seminars, Shirley Ryan AbilityLab, Chicago, IL
- 2014 Lee Silverman Voice Treatment (LSVT) LOUD Training and Certification Course, University of Arizona
- 2014 Modified Barium Swallow Impairment Profile (MBSImp) Online Student Training
- 2013 Langmore Foundation Fiberoptic Endoscopic Evaluation of Swallowing (FEES) Course, Department of Otolaryngology – Head and Neck Surgery, Boston University
- 2008 Lessac-Madsen Resonant Voice Therapy Training, Greater Baltimore Medical Center
- 2008 Vital Stim Therapy Certification Seminar, Charlotte, NC