

ADRIANNA C. SHEMBEL, Ph.D. CCC-SLP

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University of Texas at Southwestern
Department of Otolaryngology-Head and Neck Surgery
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Biology Lab: UTSW J8.116
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EDUCATION

- Postdoctoral Research Fellow** July 2020
NYU Langone Medical Center, School of Medicine, Voice Center
Department of Otolaryngology
Laboratory: Voice Research Lab, Drs. Aaron Johnson, M.M., Ph.D. CCC-SLP
and Ryan Branski, PhD, CCC-SLP
- Doctorate of Philosophy** December 2017
University of Pittsburgh, Communication Science and Disorders
Laboratory: Voice Physiology and Motor Learning
Advisor: Dr. Katherine Verdolini Abbott, PhD CCC-SLP
Secondary Advisor: Dr. Susan Shaiman, PhD CCC-SLP
Dissertation: Exercise-induced paradoxical vocal fold motion disorder: Clinical
features and mechanisms
- Masters of Arts** December 2008
University of Pittsburgh, Communication Science and Disorders
- Bachelor of Science** December 2005
The Pennsylvania State University, Communication Sciences and Disorders
Minors in Theater, Dance, and Music with a Voice Emphasis

PROFESSIONAL APPOINTMENTS & EMPLOYMENT

- 08/2020 – Department of Speech, Language, and Hearing, Assistant Professor
School of Behavioral and Brain Sciences, UT
Dallas
(*affiliation*: Department of Systems and Cellular
Neuroscience)
Otolaryngology-Head and Neck, Voice Center, UT
Southwestern
PI: Integrative Laryngeal Biophysiology Lab (“UT
Larynx Lab”)
- 01/2018 – 07/2020 NYU Langone Medical Center, School of Postdoctoral Research
Medicine Fellow
Voice Research Laboratory
New York, NY
- 08/2018 – 07/2020 NYU Voice Center Speech-Language
Department of Otolaryngology – Head & Neck Pathologist
Surgery, New York, NY

11/2016 – 10/2017	Ruth L. Kirschstein National Research Service Award Individual Predoctoral Fellowship (F31), NIDCD (<i>sponsors: Katherine Verdolini Abbott, PhD & Christopher Hartnick, MD</i>)	Pre-doctoral Research Fellow
07/2016 – 12/2017	Massachusetts Eye and Ear Infirmary; Voice and Speech Laboratory, Department of Otolaryngology Boston, MA	Speech-Language Pathologist
09/2016 – 12/2017	Academic Speech, Language, and Hearing Center, Voice Disorders and Transgender Clinic, Boston University, Boston, MA	Speech-Language Pathologist; Clinical Supervisor
08/2014 – 05/2016	University of Pittsburgh	Teaching Assistant
01/2012 – 11/01/16	University of Pittsburgh	Graduate Res. Assistant
12/2010 – 05/2016	Contractor: Genesis Rehabilitation, Albuquerque, NM	Speech-Language Pathologist
08/2012 – 05/2013	University of Pittsburgh	Teaching Assistant
01/2009 – 01/2012	University of Pittsburgh Medical Center, UPMC Voice Center, Pittsburgh, PA	Speech-Language Pathologist
01/2010 – 09/2012 (PRN)	University of Pittsburgh Medical Center, Eye and Ear Institute, Pittsburgh, PA	Speech-Language Pathologist
01/2009 – 12/2009	University of Pittsburgh Medical Center, UPMC Voice Center, Pittsburgh, PA	Clinical Fellow

RESEARCH EXPERIENCE

09/2021 – Present	Principal Investigator	The effects of high intensity focused ultrasound on vocal tremor. UT Southwestern Medical Center, Dallas, TX
09/2021 – Present	Principal Investigator	Motion capture development for the study of vocal muscle strain. UT Dallas, Dallas, TX (UTD SPIRe grant)
02/2021 – Present	Principal Investigator	Novel approaches to the study of laryngeal muscle in functional voice disorders. UT Southwestern Medical Center, Dallas, TX (NIDCD R21 DC019207)
11/2019 – 07/2020	Research Assistant	Mechanisms Underlying Tongue Muscle Dysfunction and Dysphagia Following Concurrent Chemoradiation Therapy. NYU School of Medicine, New York, NY (R21 DC018081)
01/2019 – 07/2020	Co-Investigator	Systems biology approaches for the study of the laryngeal musculoskeletal system. NYU School of Medicine, New York, NY
03/2018 – 07/2020	Research Assistant	Development of a visual database of vocal tract dynamics and vocal fold kinematics in professional vocal athletes across vocal styles. NYU Voice Center, New York, NY
02/2018 – 07/2020	Co-Investigator	Clinical characteristics in upper airway dyspnea. NYU Voice Center (multi-site study), New York, NY

01/2018 – 12/2019	Research Assistant	Translational study of vocal exercise dose-response. NYU School of Medicine, New York, NY (NIDCD K23 DC014517)
01/2018 – 10/2018	Research Assistant	High-intensity group vocal exercise to improve laryngeal function in patients with Parkinson’s Disease. NYU Clinical and Translational Science Institute, New York, NY.
03/2017 – 12/2017	Research Assistant	Effects of vocal therapy standard of care for children with vocal fold nodules, The Massachusetts Eye and Ear Infirmary, Boston, MA
02/2017 – 05/2017	Collaborator	Physiological mechanisms of vocal effort in hyperfunctional voice disorders STEPP Lab for Sensorimotor Rehabilitation Engineering, Boston University, Boston, MA
01/2017 – 05/2017	Collaborator	The study of relative fundamental frequency with high speed video laryngeal kinematics, STEPP Lab for Sensorimotor Rehabilitation Engineering, Boston University, Boston, MA
05/2016 – 12/2017	Principal Investigator	Exercise-induce paradoxical vocal fold motion disorder: Clinical features and potential mechanisms, F31 NIDCD NIH, The Massachusetts Eye and Ear Infirmary, Boston, MA, Visiting Research Scholar
08/2016 – 01/2017	Collaborator	Autonomic and acoustic measures during speech as a function of cognitive load in healthy older adults, STEPP Lab for Sensorimotor Rehabilitation Engineering, Boston University, Boston, MA
07/2014 – 04/2016	Collaborator	Diagnostic and outcome assessments for pediatric laryngeal breathing disorders, Principal Investigator: Dr. Christopher Hartnick, The Massachusetts Eye and Ear Infirmary
08/2014 – 05/2016	Study Coordinator	The effect of inhaled corticosteroids on vocal fold nodules in children: A pilot study, Principal Investigator: Dr. Joseph Dohar, Children’s Hospital of Pittsburgh
07/2014 – 08/2015	Sub-investigator	The use of questionnaires to screen for Vocal Cord Dysfunction (VCD), Primary investigator: Dr. Fernando Holguin, The University of Pittsburgh Asthma Institute
08/2013 – 06/2015	Study Coordinator	Prospective study of voice therapy in children: A pilot study, Principal Investigator: Dr. Katherine Verdolini Abbott, PhD
05/2013 – 06/2014	Principal Investigator	Comparison of measurement methods for quantifying respiratory glottal configuration, University of Pittsburgh and University of Wisconsin-Madison
04/2012 – 08/2012	Research Assistant	Hybrid model of vocal fold inflammation and tissue mobilization, R01 NIDCD, Principal Investigator: Dr. Katherine Verdolini Abbott, Ph.D, University of Pittsburgh
09/2009 – 08/2015	Research Assistant	The Prospective study on the prevention and treatment of voice problems in Teachers, R01 NIDCD, Principal Investigator: Dr. Katherine Verdolini Abbott, Ph.D, University of Pittsburgh
01/2009 – 01/2012	Principal Investigator	Development and validation of the Cough Severity Index (CSI), University of Pittsburgh Medical Center

01/2009 – 01/2012	Co- Investigator	Development and validation of the Dyspnea Index (DI) , University of Pittsburgh Medical Center
12/2008 – 03/2009	Research Assistant	Effectiveness of voice therapy in teachers , under the direction of Dr. Katherine Verdolini, PhD, CCC-SLP, University of Pittsburgh.
08/2007 – 01/2008	Research Assistant	Psychobiological effects of stress on laryngeal function and voice , Maria Dietrich, PhD candidate, M.A., CCC-SLP, University of Pittsburgh.
08/2006 – 08/2007	Research Assistant	The Efficacy of Voice Therapy for Phonotrauma in Teachers , under the direction of Dr. Katherine Verdolini, PhD, CCC-SLP, University of Pittsburgh.
08/2004 – 12/2005	Research Assistant	Diversity and Culture Considerations for AAC Users , under the direction of Rhonda Davis, M.A., CCC-SLP, The Pennsylvania State University

PEER-REVIEWED PUBLICATIONS

- Abur, D., MacPherson, M.K., **Shembel, A.C.**, Stepp, C.E. (2021). Acoustic measures of voice and physiologic measures of autonomic arousal during speech as a function of cognitive load in older adults. *Journal of Voice*.
- Gartner-Schmidt, J.L., **Shembel, A.C.**, Zullo, T.G., Rosen, C.A. (2014). Development and validation of the Dyspnea Index (DI): A severity index for upper-airway related dyspnea. *Journal of Voice*, 28(6), 775-782. DOI: <http://dx.doi.org/10.1016/j.jvoice.2013.12.017>
- Hartnick, C., Ballif, C., De Guzman, V., Sataloff, R., Campisi, P., Kerschner, J., **Shembel, A.C.**, Reda, D., Shi, H., Zacny, E., Bunting, G. (2018). Indirect vs Direct Voice Therapy for Children with Vocal Nodules: A Randomized Clinical Trial. *JAMA Otolaryngology–Head & Neck Surgery*, 144(2), 156-163.
- Hogue, S., **Shembel, A.C.**, Guo, X. (2022). Study of Vocal Muscle Strain with Skin Deformation Tracking System. *2022 IEEE 35th International Symposium on Computer-Based Medical Systems (CBMS)*. doi: 10.1109/CBMS55023.2022.00026.
- Johnson, A. M., Lenell, C., Severa, E., Rudisch, D. M., Morrison, R. A., & **Shembel, A. C.** (2022). Semi-Automated Training of Rat Ultrasonic Vocalizations. *Frontiers in Behavioral Neuroscience*, 16. doi: 10.3389/fnbeh.2022.826550.
- Lenell, C., **Shembel, A. C.**, & Johnson, A. M. (2020). Preparation of the Rat Vocal Fold for Neuromuscular Analyses. *JoVE (Journal of Visualized Experiments)*, (159), e61327.
- McDowell, S., Morrison, R., Mau, T., & ***Shembel, A. C.** (2022). Clinical Characteristics and Effects of Vocal Demands in Occupational Voice Users With and Without Primary Muscle Tension Dysphonia. *Journal of Voice*. doi: 10.1016/j.jvoice.2022.10.005.
- McKenna, V. S., Diaz-Cadiz, M. E., **Shembel, A. C.**, Enos, N. M., & Stepp, C. E. (2019). The relationship between physiological mechanisms and the self-perception of vocal effort. *Journal of Speech, Language, and Hearing Research*, 62(4), 815-834.
- Nanjundeswaran, C., **Shembel, A.C.** (2022). Laying the Groundwork to Study the Heterogeneous Nature of Vocal Fatigue. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2022.07.008>.
- Shembel, A.C.**, (2016). Underlying mechanisms in episodic laryngeal breathing disorders. *Perspectives of the ASHA Special Interests Groups*. 1(SIG 3):83. DOI:10.1044/persp1.SIG3.83.
- Shembel, A. C.**, Atkinson, C., & Childs, L. (2022). Clinical Case Study: Muscle Tension Dysphonia. *Perspectives of the ASHA Special Interest Groups*, 6(6), 1449-1451.

- Shembel, A.C.,** Hartnick, C., Bunting, G., Ballif, C., Shaiman, S., de Guzman, V., Verdolini Abbott, K. (2018). Perceptual clinical features in exercise-induced laryngeal obstruction (EILO): Towards improving diagnostic approaches. *Journal of Voice*. DOI: 10.1016/j.jvoice.2018.05.006.
- Shembel, A.C.,** Hartnick, C., Bunting, G., Ballif, C., Vanswearingen, J., Shaiman, S., Johnson, A., de Guzman, V., Verdolini Abbott, K. (2018). The study of laryngoscopic and autonomic patterns in exercise-induced laryngeal obstruction. *Annals of Otolaryngology, Rhinology, and Laryngology*. 127(11), 754-762. doi.org/10.1177/0003489418796524
- Shembel, A.C.,** Kanshin, E., Ueberheide, B., Johnson, A.M. (2022). Proteomic characterization of senescent laryngeal adductor and plantaris hindlimb. *The Laryngoscope*, 132(1), 148-155. <https://doi.org/10.1002/lary.29683>
- Shembel A.C.,** Kolouri S., Xu H., Verdolini Abbott K. (2015). Quantification of respiratory laryngeal morphometry: comparison of laryngeal lumen angle estimate methods. *Journal of Voice*. DOI:10.1016/j.jvoice.2015.10.011.
- Shembel, A.C.,** Lee, J., Sacher, J.R., Johnson, A.M. (2021). Characterization of primary muscle tension dysphonia using acoustic and aerodynamic voice metrics. *Journal of Voice*.
- Shembel, A. C.,** Lenell, C., Chen, S., & Johnson, A. M. (2021). Effects of vocal training on thyroarytenoid muscle neuromuscular junctions and myofibers in young and older rats. *The Journals of Gerontology: Series A*, 76(2), 244-252. <https://doi.org/10.1093/gerona/glaa173>.
- Shembel, A.C.,** Nanjundeswaran, C. (2022). Potential Biophysiological Mechanisms Underlying Vocal Fatigue. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2022.07.017>.
- Shembel, A. C.,** Rosen, C. A., Zullo, T. G., & Gartner-Schmidt, J. L. (2013). Development and validation of the cough severity index: A severity index for chronic cough related to the upper airway. *The Laryngoscope*, 123(8), 1931-1936. DOI: 10.1002/lary.23916
- Shembel A.C.,** Sandage M.J., Verdolini Abbott K (2017). Episodic Laryngeal Breathing Disorders: Literature review and proposal of preliminary theoretical framework. *Journal of Voice*. 31(1), 125-e7. DOI:10.1016/j.jvoice.2015.11.027.
- Shembel, A. C.,** Siu, Y., Lhakhang, T., Ash, L., Jones, D., & Johnson, A. M. (2022). Metabolomic Expression of Laryngeal and Hindlimb Muscles in Adult versus Senescent Rats. *Annals of Otolaryngology & Laryngology*, 00034894211014692.
- Verdolini Abbott, K., Barton, F.B., Terhorst, L., **Shembel, A.C.** (2016). Retrospective studies: A fresh look. *American Journal of Speech-Language Pathology*, 25, 157-163. DOI:10.1044/2016_AJSLP-16-0025.

*denotes senior author

PUBLICATIONS IN SUBMISSION/REVIEW

- Comstock Smeltzer, J.C., Choiu, S., ***Shembel, A.C.** (*in resubmission*). Effects of Patient-Driven Factors on Voice-Specific Patient Reported Outcome Measures (submitted for review at the *Journal of Voice* 11/26/22; reviewers recommended revisions 01/03/23)
- Shembel, A.C.,** Morrison, R., Fetzer, D.T., Patterson-Lachowicz, A., McDowell, S., Comstock Smeltzer, J.C., Mau, T (*in review*). Extrinsic Laryngeal Muscle Tension in Primary Muscle Tension Dysphonia with Shear Wave Elastography (submitted for review at *The Laryngoscope* 12/5/2022; reviewers recommended revisions 01/05/23).

Comstock Smeltzer, J.C., Chou, S., ***Shembel, A.C.** (*in review*). Interoception, Voice Symptom Reporting, and Voice Disorders (submitted for review at the *Journal of Voice* 12/21/22; reviewers recommended revisions 02/03/23)

Shembel, A.C., Morrison, R., McDowell, S., Comstock Smeltzer, J., Crocker, C., Bell, C., Mau, T (*in review*). Comparisons of Laryngoscopic Assessment Metrics for Primary Muscle Tension Dysphonia. (originally submitted for review to JSLHR on 11/04/22; second version submitted for review at *The Laryngoscope* 12/25/22)

Hogue, S., Guo, X., McDowell, S., ***Shembel, A.C.** (*in review*). The Use of Motion Capture Technology to Study Extrinsic Laryngeal Muscle Tension and Hyperfunction (submitted for review at *The Laryngoscope* 12/27/22)

BOOK CHAPTERS

Shembel, A.C., Milan, A., Kwak, P. (2019). Future Directions in Chronic Cough Management. Chronic Cough. Plural Publishing.

SKILLS & TECHNICAL EXPERIENCE

Gender Affirming Voice Care for the Transgender and Gender Nonconforming Client	Boston University Clinic NYU Voice Center Clinic	01/2017 – present
Flexible nasoendoscopy and rigid laryngoscopy	Clinical competencies: Boston University (met 11/21/17) Massachusetts Eye and Ear Infirmary (met 1/27/2017) Emory Voice Center Laryngeal Imaging and FEES Course (completed 2/1/2016)	11/2016 – present
Acoustic analysis with PRAAT and KayPENTAX Computerized Speech Lab (CSL) (model 4500)	Clinical competencies: UPMC University of Pittsburgh Voice Center School of Health and Rehabilitation Sciences, University of Pittsburgh Massachusetts Eye and Ear Infirmary Boston University STEPP Lab	8/2007 – present
Acoustic ultrasonic vocalization recording (Avisoft) and analysis (DeepSqueak)	NYU Medical Center Johnson Voice Research Lab	1/2018 – present
Aerodynamic Assessment with KayPENTAX Phonatory Aerodynamic System (PAS) (model 6600)	Clinical competencies: UPMC University of Pittsburgh Voice Center School of Health and Rehabilitation Sciences, University of Pittsburgh Massachusetts Eye and Ear Infirmary Boston University STEPP Lab	8/2007 – present
RNA Extraction	NYU Medical Center Johnson Voice Research Lab	1/2018 – present

Cryosectioning, immunohistochemistry, confocal microscopy	NYU Medical Center Johnson Voice Research Lab	1/2018 – present
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TEACHING & SUPERVISION EXPERIENCE

University of Texas at Dallas

08/2020 –	Voice Disorders Behavioral and Brain Science CSD (Masters of Arts)	Assistant Professor
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New York University

01/2018 – 01/2019	Voice Disorders Steinhardt CSD (Masters of Arts)	Adjunct Lecturer
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Boston University

06/2016 – 12/2017	Clinical supervisor and coordinator: BU Voice Disorders Clinic	Adjunct Professor
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08/2017 – 12/2017	Clinical director: Center for Transgender Voice and Speech Communication	Adjunct Professor
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Rutgers University

01/2016 – 05/2016	Anatomy and Physiology of the Speech Mechanism (remote course)	Adjunct Professor
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University of Pittsburgh

Laboratory in Speech Science		Spring 2016 Spring 2015 Spring 2013
Laboratory in Anatomy & Physiology of Speech		Fall 2015 Fall 2014 Fall 2013

CONFERENCE PODIUM PRESENTATIONS

Use of Motion Capture Technology to Study Extrinsic Laryngeal Muscle Kinematics in Muscle Tension Dysphonia

2022 Fall Voice Conference, San Francisco, Ca, October 8th, 2022

Effects of Age and Vocal Exercise on Laryngeal Muscle Structure and Function

2019 Fall Voice Conference, Dallas, TX, October 19, 2019

Debate the Doctors, Oxford Style! Management of Vocal Bumps, Bowing, & Chronic cough

2018 ASHA Convention, SIG 3 Short Course, Boston, MA, November 16, 2018

Treatment of Exertion-Induced Paradoxical Vocal Fold Motion using Buteyko Breathing Technique (BBT)

2018 ASHA Convention, Technical Research, Boston, MA, November 15, 2018

Irritable Larynx Syndrome: What does it really mean?

2018 Fall Voice Conference, Seattle, WA, October 24, 2018

Potential cognitive influences on treatment outcomes in pediatric voice therapy: A pilot study.

45th Annual Voice Foundation Symposium, Philadelphia, PA, June 4th 2016.

Exercise-Induced Laryngeal Obstruction: Features & Mechanisms

New Investigators Forum, Voice Foundation, June 4th 2016

Comparison of quantification methods in measurement of glottal configuration in respiration
43rd Annual Voice Foundation Symposium, Philadelphia, PA

Dyspnea Index (DI) and Cough Severity Index (CSI): Development and Validation
UCSF Fall Voice Conference 2011

Comparison of Quantification Methods in Measurement of Glottal Configuration During Respiration
Atlanta Fall Voice Conference (Poster presentation)
Multi-Institutional Voice Research Rounds (MIVRR) (Guest lecture)
University of Pittsburgh Research Rounds (Guest lecture)

Development and Validation of the Dyspnea Severity Index (DSI)
39th Annual Voice Foundation Symposium, Philadelphia, PA

PEER-REVIEWED POSTER PRESENTATIONS

McKenna, V.S., Diaz-Cadiz, M.E., **Shembel, A.C.**, Enos, N.M., & Stepp, C.E. (2018). "The Relationship Between Physiological Mechanisms and the Self-perception of Vocal Effort," 3rd Annual Boston University Data Science Day, Boston, MA.

(2nd place: Best Poster Award)

Autonomic and Acoustic Measures during Speech as a Function of Cognitive Load in Healthy Older Adults
Megan K. MacPherson, PhD, **Adrianna C. Shembel, MA, CCC-SLP**, Defne Abur, BS, Cara E. Stepp, PhD
46th Annual Voice Foundation Symposium: Care of the Professional Voice
May 31st – June 4th, 2017

Comparison of quantitative methods in measurement of glottal configuration during respiration
Adrianna Shembel, MA CCC-SLP
The Fall Voice Conference
October 17-19, 2013
Atlanta, Georgia

INVITED EDUCATIONAL SEMINARS

Laryngeal Breathing Disorders: Seeing the Forest Through the Breathe
Sin City Laryngology Conference, Las Vegas Nevada, March 5, 2022

Observing Voices: Cases Studies for Enhancing Clinical Assessment
ASHA Special Interest Group (SIG) 3 Webinar: Voice and Upper Airway Disorders Education Panel, October 27, 2021

Functional Laryngeal Disorders
Texas Speech-Language Hearing Association (TSHA) Continuing Education Webinar, May 19, 2021

No Acoustics, No Aero, No Problem! Voice Diagnostics for the Community SLP
Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA, November 2020 (Conference canceled due to COVID-19).

INVITED LECTURES

Laryngeal Biophysiology: From the Bedside, to the Bench, and Back
UTD SLH FLASH Series Lecture, May 20th, 2022

Integrative laryngeal Biophysiology: From the Bedside to the Bench and Back
University of Utah, Department of Otolaryngology (webinar), April 25, 2022

Laryngeal Breathing Disorders: From Mechanisms to Management
Sin City Laryngology Conference, Las Vegas Nevada, March 5, 2022

Observing Voices: Cases Studies for Enhancing Clinical Assessment
ASHA Special Interest Group (SIG) 3: Voice and Upper Airway Disorders Education Panel, October 27, 2021

Voicetics: Effects of increased demands on laryngeal muscle and vocal subsystems
UTD Neuroscience Seminar Series, October 7, 2021

Functional Laryngeal Disorders
Texas Speech-Language Hearing Association (TSHA) Continuing Education Webinar, May 19, 2021

Functional Laryngeal Muscle Disorders: From the Clinic to the Bench and Back
GBMC Laryngology Grand Rounds, September 13, 2019
Ohio State University Grand Rounds, March 30, 2020

Laryngeal Aerodigestive Disorders: Paradoxical Vocal Fold Motion Disorder & Chronic cough
Purdue University Voice Disorders Masters Class, March 26th, 2019; April 23rd, 2019

ASHA PhD Panel
2018 ASHA Convention, Boston, MA, November 17, 2018

Quantification of respiratory laryngeal morphology
UCSF Grand Rounds, June 28, 2018

Motor learning & Indirect Treatment Approaches for the Speech Language Pathologist
NYU Steinhardt, Department of Speech-Language Pathology, April 16, 2018

Voice & Communication Modification for the Transgender & Gender Nonconforming Client
MGH IHP, Department of Communication Sciences & Disorders, April 3, 2018
NYU Steinhardt, Department of Speech-Language Pathology, April 12, 2020

Vocometry and Instrumentation for the Voice Disorders Laboratory
NYU Steinhardt, Department of Speech-Language Pathology, April 2, 2018

Paradoxical Vocal Fold Motion Disorder / Chronic Cough for the Speech-Language Pathologist
University of Pittsburgh, Department of Communication Science and Disorders, March 29th, 2018

Paradoxical Vocal Fold Motion Disorder: Information for the ENT Resident
NYC Langone Health, Department of Otolaryngology, March 14, 2018

Anatomy & Physiology of the Larynx
NYU Steinhardt, Department of Speech-Language Pathology, February 20, 2018

Voice & Communication Modification for the Transgender & Gender Nonconforming Client
Boson Medical Center, Department of Speech-Language Pathology, December 21, 2017

Exercise-induced paradoxical vocal fold motion disorder: Clinical features and potential mechanisms
Massachusetts Eye and Ear Infirmary, Department of Otolaryngology Grand Rounds, December 21, 2016

Ethical Considerations in the Voice Disorder Outpatient Clinical Setting (teleconference)
Seton Hall, April 19, 2016

Measurements of Phonation: Speech Science (CSD 1026)
University of Pittsburgh, April 4th and 6th, 2016

Introduction to Voice Disorders (CSD1230)
University of Pittsburgh, March 23, 2016

Respiratory Physiology: Speech Science (CSD 1026)
University of Pittsburgh, February 22 & 24, 2016

Cranial Nerves: Anatomy & Physiology of Speech
University of Pittsburgh, November 17 & 19, 2015

Episodic Laryngeal Breathing Disorders in Adolescent Athletes: Dissertation Proposal Think Aloud
Research Round Table, University of Pittsburgh, October 7, 2015

Intrinsic Laryngeal Muscles: Anatomy & Physiology of Speech
University of Pittsburgh, September 24 & 29, 2015

Paradoxical Vocal Fold Motion Disorder (PVFMD) and Chronic Cough (CC): The SLP's Role
Graduate Voice Disorders Class Presentation at the University of Hawaii 2013
Graduate Voice Disorders Class Presentation at Duquesne University 2013-2015
Graduate Voice Disorders Class Presentation at the University of Pittsburgh 2012-2015

Have you talked to your larynx today? Voice Care and Medicine in the Older Citizen
Voice Outreach, Carnegie Mellon University; McConomy Auditorium, Pittsburgh, PA

Dyspnea Index (DI) and Cough Severity Index (CSI): Development and Validation
UPMC 4th Annual Voice Therapy Conference, Pittsburgh, PA

Paradoxical Vocal Fold Motion Disorder (PVFMD) and Chronic Cough (CC) Therapy
UPMC 4th Annual Voice Therapy Conference, Pittsburgh, PA

Periodic Occurrence of Laryngeal Obstruction (POLO)
Presentation at UPMC Voice Center Grand Rounds, Pittsburgh, PA

"What to Know Before the Curtain Goes Up" (Voice Outreach Presentation)
Bach Choir of Pittsburgh
Seneca Valley District Choir
Shaler Area School District

Behavioral Treatment for Paradoxical Vocal Fold Motion Disorder (PVFMD) & Chronic Cough (CC)
The American Osteopathic Colleges of Ophthalmology and Otolaryngology
96th Annual Clinical Assembly of the AOCOO-HNS Foundation, Palm Springs, CA, May 9-13, 2012

MENTORED GRADUATE STUDENT PRESENTATIONS

Relationships Between Supraglottic Patterns and Symptomology in Patients with Vocal Hyperfunction and Healthy Occupational Voice Users

Fall Voice Conference, San Francisco, Ca, October 8th, 2022, Sarah McDowell
Voice Research of Texas (VoRTex), Virtual, October 21, 2022, Sarah McDowell
Callier Center FLASH Lecture Series, November 2022, Sarah McDowell
ASHA Conference, New Orleans, LA, November 2022, Sarah McDowell

Effects of Vocal Demands in Healthy and Voice Disordered Professional Voice Users
Pan-American Vocology Association, Hybrid Symposium, August 21st, 2022, Sarah McDowell (voted Best Student Oral Presentation)

Implementing Mindfulness Practice in the Rehabilitation of the Professional Voice User
Performing Arts Medicine Association Workshop, July 2022

Study of Vocal Muscle Strain with Skin Deformation Tracking System
IEEE CBMS 2022, China (Virtual), June 21, 2022, Steven Hogue

AWARDS AND HONORS

Voice Foundation New Investigator Research Forum awardee	2016
Sword of Honor – excellence and dedication in music from Sigma Alpha Iota fraternity	2005
National Society of Collegiate Scholars	2001

STUDENT AWARDS AND HONORS

Best Student Oral Presentation (Relationships Between Supraglottic Patterns and Symptomology in Patients with Vocal Hyperfunction and Healthy Occupational Voice Users; PAVA Symposium; Sarah McDowell)	2022
UTD Jackson Endowment Award for Graduate Students in CSD (Sarah McDowell)	2022
UTD Betty & Gifford Johnson Travel Award (Sarah McDowell)	2022

GRANTS AND SOURCE OF FUNDING

Seed Program for Interdisciplinary Research (SPIRe) University of Texas at Dallas	09/01/2021- 02/28/23
NIDCD R21 Early Career Researcher R21 DC019207 Novel approaches to the study of laryngeal muscle in functional voice disorders	02/01/2021- 01/31/2024
NIDCD F31 Grant Fellowship F31DC015752-01A1 Exercise-induced paradoxical vocal fold motion disorder: Clinical feature characteristics and potential mechanisms	11/01/2016- 10/31/2017
ASHA Foundation Lessons for Success	2017
School of Health and Rehabilitation Sciences Research Development Fund	2016-2017
Audrey Holland Award recipient, University of Pittsburgh, Department of Communication Science and Disorders	2016

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

Sigma Alpha Iota – professional music fraternity for women	2001 – Present
ASHA Special Interest Group 3 – Voice and Voice Disorders	2010 – Present
The American Speech-Language-Hearing Association (ASHA)	2010 – Present
The Voice Foundation	2008 – 2019
Multi-Institution Voice Research Rounds (MIVRR) – President	2012 – 2018
Health and Human Development Honors Society	2004 – 2005

LICENSURE AND CERTIFICATIONS

Lessac-Madsen Resonant Voice Therapy (LMRVT)	2008 – Present
The American Speech-Language-Hearing Association (ASHA)	2010 – Present
Texas State Licensure	2020 – Present
New York State Licensure	2018 – Present
Massachusetts State Licensure	2016 – 2020

SERVICE TO PROFESSION AND LEADERSHIP

Journal Reviewer:

Reviewer for <i>American Journal of Speech, Language, and Hearing</i>	02/2022 – Present
Reviewer for <i>Journal of Speech, Language, and Hearing Research</i>	12/2021 – Present
Reviewer for <i>PLOS One</i>	12/2021 – Present
Reviewer for <i>Physical Therapy & Rehabilitation</i>	05/2021 – Present
Reviewer for <i>Journal of Voice</i>	06/2016 – Present
Reviewer for <i>Laryngoscope</i>	04/2020 – Present

Grant Review:

NIH Study Section <i>ad hoc</i> reviewer (SEP/SRG 2022/10 ZRG1 BBBP-H (02))	07/2022
NIH Study Section <i>ad hoc</i> reviewer Voice, Speech, Language Fellowship (SEP Z49)	10/2022
NIH Early Career Researcher Guest Reviewer – MFSR Study Section	02/07 – 02/08/2022

Committees:

UTD Speech Science Faculty Search Committee	09/2022 – Present
ASHA CAPCSD PhD Committee	10/2022
UTD Enhancing NeuroScience Undergraduate Research Experience (ENSURE) Program	03/2022 – Present
BBS Colloquium Series Planning Committee	08/2021 – 05/2022
UTD SLH Jerger Award Review Committee	11/2021
Postdoc Training Assertive and Inclusive Leaders (TRAIL) Leadership Curriculum Committee Member	01/2020 – 07/2020
2020 ASHA Convention Committee for SIG 3 Voice and Upper Airway Disorders	10/2019 – 06/2020
Ph.D. Graduate Student Representative: CSD Faculty Meetings, faculty candidate search, research and education committees	03/2013 – 04/2016

Organizer:

BBS Writing Accountability Group (WAG) Organizer	08/2021 – Present
TRAIL Fitness Committee Coordinator	01/2020 – 07/2020
NYU Postdoc Writing Accountability Group (WAG) Director	02/2020 – 05/2020
Multi-Institution Voice Research Rounds (MIVRR): M.A. and Ph.D. Student mentor for students interested in voice disorder research	08/2012 – 01/2019
Laboratory Coordinator and undergraduate student mentor: Voice Disorders and Motor Learning Laboratory	01/2012 – 12/2017

COMMUNITY INVOLVEMENT & OUTREACH

MEDIA

- [“UTSW scientist catalyzes new collaborations in voice disorders research”](#) 2021
Article in Center Times Plus
- [New Faculty Research Symposium, NFRS – Dr. Adrianna Shembel](#) 2020
UT Dallas Research and Innovation
- [“You’ll say nothing”](#) 2016
A documentary video project on the relationship between trauma and voice
ISST Media Award 2017
Director: Elisa Monti
- [“Have you talked to your larynx today?”](#) 2011
Carnegie Mellon Osher Lifelong Learning

TEACHING AREAS/COURSES

Voice Disorders
Gender Affirming Voice and Communication
Anatomy and Physiology of Speech and Swallowing
Speech Science
Research Methods and Measurements
Human Physiology
Fundamentals of Evidence-Based Practice
Professional Issues in Speech-Language Pathology
Professional & Academic Career Development