



THE VOICE
FOUNDATION

Leaders in Voice Research,
Medicine, Science & Education

51st THE ANNIVERSARY SYMPOSIUM Care of the Professional Voice



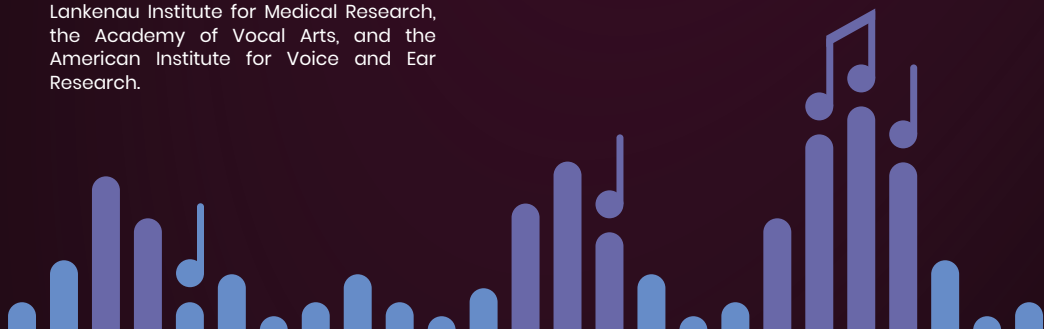
June 1–5, 2022

Jointly provided by The Voice Foundation and the American College of Surgeons in collaboration with Temple University, Drexel University College of Medicine, Lankenau Institute for Medical Research, the Academy of Vocal Arts, and the American Institute for Voice and Ear Research.

The Westin Hotel

99 S. 17th Street

Philadelphia, PA 19103



voicefoundation.org

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PROGRAM OBJECTIVES

This activity is designed for The Voice Foundation. Upon completion of this course, participants will be able to.....
Gain familiarity with recent technological, scientific and clinical advances in the study of the human voice;
Expand perspectives in the diagnosis and treatment of voice disorders and techniques for vocal fold surgery;
Be able to apply various voice examinations/evaluations, therapy and teaching techniques;
Foster dialogue and cooperation among the various disciplines concerned with the care of the professional voice;
Gain interdisciplinary information about clinical and research aspects of neurolaryngology; and,
Determine the relationship between normal and abnormal voice production and the various means of studying the voice

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GRADUATE CREDIT

It may be possible to obtain graduate credit through independent study from your University's Dept. of Speech-Language Pathology. Registration must be completed prior to the first day of the Symposium.



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NEEDS ASSESSMENT

The specialty of voice care involves rapidly advancing technology, new medical and scientific knowledge, and constant advancement in patient care. State-of-the-art symposia and courses are essential for interdisciplinary communication and education. For fifty years The Voice Foundation's Annual Symposium has fulfilled these needs for the international community.



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The Voice Foundation wishes to thank
Plural Publishing for their ongoing support through educational grants.

Welcome to the 51st Annual Symposium

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Table of Contents

VIRTUAL CONTENT

PROGRAM

FACULTY LIST

*with bios and photos.
All authors listed.*



*Consult the Faculty List
for a complete list of
presenter and author
degrees*

GLOSSARY

for help at the tutorials

**Professional Voice
The Science and Art of
Clinical Care
4th Edition**
*by Robert Sataloff, MD,
DMA*



| | |
|-----------------------------------|-------|
| Committees | 2 |
| WEDNESDAY, June 1 | 4 |
| THURSDAY, June 2 | 4-13 |
| Donors, Exhibitors | 14 |
| FRIDAY, June 3 | 14-16 |
| Award QR Code | 19 |
| SATURDAY, June 4 | 17-27 |
| SATURDAY Master Class | 27 |
| SUNDAY, June 5 | 27-33 |
| Presentation Coaching | 34 |
| Membership | 35 |
| Advisory Board | 36 |
| Journal of Voice Editorial Board | 37 |
| Symposium Calendar Wed-Fri | 38 |
| Symposium Calendar Sat-Sun | 39 |
| Meeting Schedule | 40 |
| Voice Foundation Chapters | 41 |
| 52 nd Annual Symposium | 46 |



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<http://voicefoundation.org/symposium2022>

The Annual Symposium is possible through
the work of many people behind the scenes.

Our Thanks to: THE PENTA STAFF
The Board of Directors, Advisory Board Members,
JOV Editorial Board, Awards Committee Members
Volunteers, Donors, and Attendees

WEDNESDAY JUNE 1, 2022

WEDNESDAY, JUNE 1, 2022

AGENDA

- 1:00p Registration Opens (*Independence Hall*)
- 200p Welcome
The Westin Philadelphia Hotel, Grand Ballroom, Salon II
Robert T. Sataloff, MD, Chairman, The Voice Foundation
- 2:15p Anatomy and Physiology of Phonation: An Overview
Robert T. Sataloff, MD
- 3:00p Production and Perception of Voice: An Overview
Sona Patel, PhD, Johan Sundberg, PhD
- 4:00p Coffee Break
- 4:30p Production and Perception of Voice: An Overview (cont.)
Ronald S. Scherer, PhD, Johan Sundberg, PhD, David Eddins, PhD, Linda Carroll, PhD
- 6:30p Question and Answer
- 7:00p Adjourn

THURSDAY, JUNE 2, 2022

THURSDAY, JUNE 2, 2022

AGENDA

- 7:20 Meeting of the Quintana Voice Research Award Committee
The Board Room

- 7:30a Registration Opens (*Independence Hall*)

- 8:00a Introduction and Welcome (Grand Ballroom, Salon II)
Robert T. Sataloff, MD, Chairman, The Voice Foundation

Basic Science Session I (8:12am - 9:30am)

Session I: Impact Stress, Source-Tract Interaction, and Perception of Strain

Chair: *Johan Sundberg, PhD*

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 8:12a Parametric Tuning of a Vocal Production Model to Estimate Impact Stress
*Carlos Alberto Calvache Mora, MSc, Andrés Guatibonza, BS
Leonardo Soláque, PhD, Alexandra Velasco, PhD, Lina Peñuela, MSc*
- 8:24a The Effect of Nonlinear Source-Filter Interaction on Aerodynamic and Projected Glottal Area Measures in a Synthetic Model of the Vocal Folds and Vocal Tract
Nicholas May, PhD, Ronald C. Scherer, PhD
- 8:36a Disturbances of Fundamental Frequency During Glissandi through a Long Tube
Johan Sundberg, PhD, Filipa M.B. La, PhD, Svante Granqvist, PhD
- 8:48a Sharpening Our Ability to Quantify Vocal Strain: Success with a Computational Model of Spectral Sharpness and A Novel Matching Stimulus
Supraja Anand, PhD, Yeonggwang Park, PhD, Sophia M. Gifford, Rahul Shrivastav, PhD, David A. Eddins, PhD
- 9:00a Panel for Session I *Johan Sundberg, PhD
Carlos Alberto Calvache Mora, MSc, Nicholas May, PhD
Supraja Anand, Adam Rubin, MD, Jackie Gartner-Schmidt, PhD*

THURSDAY, JUNE 2, 2022

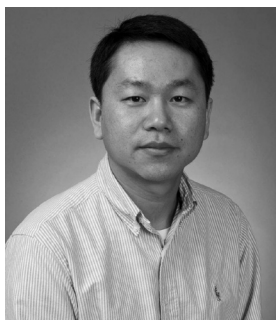
Quintana Research Award Lecture 9:30am—10:00am

Chair: Robert T. Sataloff, MD
The Westin Philadelphia Hotel, Grand Ballroom, Salon II

An Update on the Mechanics of Human Voice Production and Control

Zhaoyan Zhang, PhD

Dr. Zhaoyan Zhang is a Professor of Head and Neck Surgery at the University of California, Los Angeles. He received his PhD in Mechanical Engineering from Purdue University in 2002, with his dissertation on the aeroacoustics of human voice production. He then spent two years at the University of Maryland, College Park for his postdoctoral research on vocal tract acoustics. In 2004, he joined the Division of Head and Neck Surgery at UCLA to continue his research on human voice production and control. His research focuses on understanding how changes in vocal fold physiology affect voice production and how to infer vocal fold physiology from the produced voice, toward clinical and speech technology applications. He is a Fellow of the Acoustical Society of America, and an Associate Editor and Coordinating Editor for the Journal of the Acoustical Society of America.



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To see the past winners and for more information about the Quintana Award



10:00a Coffee Break

Basic Science Session II (10:30am - 11:30pm)

Session II: Air Pressures in SOVT, Emotion, Inverse Filtering, Vocal Fold Motion, and Philosophy of Science

Session Chair: Ronald C. Scherer, PHD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 10:30a Ratio of Oral Pressure to Lung Pressure as a Function of Straw Diameter in SOVT Phonation
Lynn Maxfield, PhD, Ingo R. Titze, PhD
- 10:42a Hearing Other's Emotions: An fMRI Pilot Study of the Neural Activities Underlying Production and Perception of Emotional Voices
Gláucia Laís Salomão, PhD
- 10:54a Modeling and Estimation of Neck-Surface Acceleration and Subglottal System with an ARMA-Based Inverse Filter
Victor M. Espinoza, PhD, Juan P. Cortés, PhD, Matías Zañartu, PhD, Daryush D. Mehta, PhD, Robert E. Hillman, PhD, Gabriel A. Alzamendi, PhD, Juan I. Yuz, PhD

THURSDAY, JUNE 2, 2022

Basic Science Session II Continued (10:00am - 12:00pm)

- 11:06a Synchronous 3D Imaging of Medial and Superior Vocal Fold Surfaces in Hemi-Larynges
*Reinhard Veltrup, MSc, Susanne Angerer, Andreas Kist, PhD
Tobias Zillig, MSc, Julian Zilker, MSc, Michael Döllinger, PhD
Marion Semmler, PhD*
- 11:18a The Science of Information Transfer, Uncertainty, and Intelligence
Ingo R. Titze, PhD
- 11:30a Panel for Session II
*Lynn Maxfield, PhD, Gláucia Laís Salomão, PhD, Víctor M. Espinoza, PhD,
Reinhard Veltrup, MSc, Ingo R. Titze, PhD, Tom Carroll, MD,
Kittie Verdoline Abbott, PhD*

12:00p Lunch Break

Meeting of Journal of Voice Editorial Board
Chair: Robert T. Sataloff (12:00 - 1:00p)
Georgian Room

Keynote Presentation 1:30pm—2:30pm

Laryngeal Dystonia: A Research Journey

Kristina Simonyan, MD, PhD, Drmed

Dr. Kristina Simonyan is an Associate Professor of Otolaryngology – Head and Neck Surgery at Harvard Medical School, Director of Laryngology Research at Massachusetts Eye and Ear Infirmary, Associate Neuroscientist at Massachusetts General Hospital, and Director of Dystonia and Speech Motor Control Laboratory. Dr. Simonyan received her medical degrees (MD and Drmed) from Yerevan State Medical University in Armenia and Georg-August University in Goettingen, Germany, as well as a PhD degree in Neurobiology from the University of Hannover, Germany. She completed her residency in otolaryngology and clinical research fellowship in neurootolaryngology and neuroimaging. Dr. Simonyan studies the neural mechanisms of healthy and diseased speech production

and other complex voluntary motor behaviors. Her clinical research program is focused on focal dystonia, a debilitating neurological disorder causing involuntary muscle contractions in different body regions, including vocal folds. Her methodological approaches bridge brain imaging, computational neuroscience, machine learning, genetics, and clinical trials and are geared toward the identification of objective diagnosis, prediction of risk, and treatment of dystonia. Her recent studies have mapped the large-scale neural architecture underlying speech production and its impairments in laryngeal dystonia and other focal dystonias. This work has led to the identification of a neural biomarker of laryngeal dystonia as well as the development of new therapeutic options for the treatment of this disorder. Her research is currently supported by the National Institutes of Health (NIDCD and NINDS), Department of Defense, Jazz Pharmaceuticals, and Amazon Web Services.



THURSDAY, JUNE 2, 2022

Basic Science Session III (2:30pm - 4:00pm)

Session III: High Speed Videendoscopy – Segmentation, Motion Variability, Asymmetry, Laryngeal Dystonia

Session Chair: Johan Sundberg, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 2:30p Investigating the Contribution of Spatial and Temporal Redundancy to the Accuracy of Spatial Segmentation of High-Speed Videendoscopy
Hamzeh Ghasemzadeh, PhD, David S. Ford, PhD, Maria E. Powell, PhD, Dimitar D. Deliyski, PhD
- 2:42p Nyquist Plot Parametrization for Quantitative Analysis of Vibration of the Vocal Folds
Tomás Arias-Vergara, MSc, Tobias Schraut, BS, Khairy Anuar Mohd, Khairuddin, PhD, Michael Döllinger, PhD
- 2:54p Influence of Perspective Distortion in Laryngoscopy on 2D/3D Symmetry Parameters
Marion Semmler, PhD, Reinhard Veltrup, MSc, Jann-Ole Henningson, MSc, Stefan Kniesburges, PhD, Anne Schützenberger, MD, Michael Döllinger, PhD
- 3:06p Automated Representation of Vocal Fold Dynamics in Adductor Spasmodic Dysphonia During Connected Speech in High-Speed Videendoscopy – A Deep Convolutional Network
Ahmed M. Yousef, MS, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, Maryam Naghibolhosseini, PhD
- 3:18p Automated Measurements of Glottal Attack and Offset Time in High-Speed Videendoscopy During Connected Speech for Patients with Adductor Spasmodic Dysphonia
Ahmed M. Yousef, MS, Dimitar D. Deliyski, PhD, Stephanie R.C. Zacharias, PhD, Maryam Naghibolhosseini, PhD
- 3:30p Panel for Session III
Panel: Hamzeh Ghasemzadeh, PhD, Thomas Arias-Vergara, MSc, Marion Semmler, PhD, Ahmed M. Yousef, MS, Kenneth Altman, MD, Linda Carroll, PhD
- 4:00pm-4:30pm Coffee Break

Poster Session (4:00pm - 5:30pm)

Session Chair: Ronald C. Scherer, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Pre-function Hall

- P1** Perceptions of Health Monitoring through Smartphone Technology: A Pilot Study in Patients with Chronic Cough
Lauren J. Humpert, BS, Brittany N. Fletcher, CCC-SLP, Aaron D. Friedman, MD, Sudip Vhaduri, PhD, Victoria McKenna, PhD
- P2** Role of Famotidine and Other Acid Reflux Medications for SARS-CoV-2: A Pilot Study
Bailey Balouch, BS, Swetha Vontela, MS, Heather Yeakel, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- P3** A Scoping Literature Review of Relative Fundamental Frequency in Individuals With and Without Voice Disorders
Kelly E. Carraro, BS, Courtney L. Kendall, MA, Melissa Previtera, MLIS, Jennifer M. Vojtech, PhD, Victoria S. McKenna, Ph

THURSDAY, JUNE 2, 2022

Poster Session 4:00pm - 5:30pm

- P4 Degree of Change in Self-Perceived and Acoustic Voice Quality Following Voice Therapy in Patient Populations Seen in a Private Practice Voice Clinic**
Zoë Thijs, PhD, Christopher, Watts, PhD
- P5 Comparison of Cepstral Peak Prominence Methods with and without Voice Detection using Praat**
Lauren Colletti, MA, Elizabeth Heller Murry, PhD
- P6 Effect of Cognitive Load on Voice Acoustics in Individuals with Hyperfunctional Voice Disorders**
Kimberly L. Dahl, SLP, Cara E. Stepp, PhD
- P7 Spectral Aggregate of the Fundamental Frequency and its Relationship to the Primary Acoustic Features of Adductor Laryngeal Dystonia**
Katherine L. Marks, PhD, Taylor F. Feaster, BA, Sarah Baker, CCC-SLP, Manuel Diaz Cádiz, Philip C. Doyle, PhD, Cara E. Stepp, PhD
- P8 The Effect of Semi-Occluded Vocal Tract Exercises on the Laryngeal Function: A Systematic Review**
Iris Meerschman, PhD, Evelein D'haeseleer, PhD, Kaat Pieters, MSc, Anke Adriaansen, MSc, Clara Leyns MSc, Imke Kissel, MSc, Kristiane Van Lierde, PhD
- P9 Great Contemporary Singers On Great Contemporary Singing: A Qualitative Study of Terminology Used by Singers of Popular Music**
Warren Freeman, MM
- P10 Intercultural Perception of Emotions from Voice**
Reese Holahan, BS, Bridget Anne Russell, PhD
- P11 Clinical Cutoff Scores for an Acoustic Index of Vocal Hyperfunction that Combines Relative Fundamental Frequency and Cepstral Peak Prominence**
Mara R. Kapsner-Smith, MS, Manuel E. Diaz-Cádiz, MS, Jennifer M. Vojtech, PhD, Daniel P. Buckley, MS, Daryush D. Mehta, PhD, Robert E. Hillman, PhD, Lauren F. Tracy, MD, Jacob Pieter Noordzij, MD, Tanya L. Eadie, PhD, Cara E. Stepp, PhD
- P12 Experiences of Speech-Language Pathologists in the Rehabilitation of Unilateral Vocal Fold Paralysis**
Imke Kissel, MSc, Evelien D'haeseleer, PhD, Iris Meerschman, PhD, Eline Wackenier, Kristiane Van Lierde, PhD
- P13 ~~SEE P9 -Great Contemporary Singers On Great Contemporary Singing: A Qualitative Study of Terminology Used by Singers of Popular Music~~**
~~*Warren Freeman, MM*~~
- P14 Influence of Distances in Choir Singing in Professional Boys Choirs**
Marie Köberlein, MA, Jonas Kirsch, MSc, Laila Hermann, MD, Bogac Tur, MSc, Michael Döllinger, PhD, Stefan Kniesburges, PhD, Matthias Echternach, MD
- P15 Effects of Speech Therapy for Transgender Women: a Systematic Review**
Clara Leyns MSc, Tine Papeleu, Peter Tomassen, Guy T'Sjoen, Evelein D'haeseleer, PhD
- P16 The Comprehensive Voice Rehabilitation Program and Electrostimulation in Popular Singers with Behavioral Dysphonia**
Barbara Lopes, MSc, Marco Aurélio Rocha Santos, PhD, Renata Cristina Cordeiro Diniz Oliveira, MSc, Ana Cristina Cortes Gama, PhD
- P17 Intercultural Perception of Emotions from Voice**
Leonardo Lopes, PhD, Estevão Silvestre Sousa, MS, Ronei Marcos Moraes, PhD
- P18 Validation of the Dysphonia Acoustic Index (DAI) as a Tool for the Assessment of Patients with Voice Disorders**
~~*Leonardo Lopes, PhD, Vinicius Jefferson-Vieira, PhD*~~
- P19 Effects of Sung and Spoken Production of Intervocalic /l/ on Formant Frequencies**
Reese Holahan, BA, Bridget A Russell, PhD

Poster Session 4:00pm - 5:30pm

- P20** Surface EMG of Extrinsic Laryngeal Muscles During Phonation in Both Males and Female Young Adults
Sai Aishwarya Ramani, MSc, Radish Kumar Balasubramanian, PhD, Eric J. Hunter, PhD, Rahul Krishnamurthy, MSc
- P21** Transgender People: Vocal Approach in Chile and Argentina Nowadays
Voiced Whistle: Preliminary Protocol to Enhance Appropriate Production
Celina Malebran B. Mello, SLP, Virginia Zangroniz, SLP
- P22** Moved to Virtual
- P23** Clinical Cutoff Scores for an Acoustic Index of Vocal Hyperfunction that Combines Relative Fundamental Frequency and Cepstral Peak Prominence
Ahmed Nagy, MD
- P24** Pediatric Dysphonia: Effects of Vibratory Source on Auditory-Perceptual and Bio-Inspired Computational Measures of Voice Quality
Yeonggwang Park, PhD, Susan Baker Brehm, PhD, Lisa N. Kelchner, CCC-SLP, Barbara D. Weinrich, PhD, Kevin McElfresh, CCC-SLP, Supraja Anand, PhD, Rahul Shrivastav, PhD, Alessandro de Alarcon, MD, David A. Eddins, PhD
- P25** Relation Between Fundamental Frequency and Airflow Modulations During Vocal Bleating While Singing Diatonic Scales: A Pilot Study
Ashley Platek, Molly Baxter, Addison Bosscher, Jana Feuerstein, Sri Nandamundi, PhD, Ronald C. Scherer, PhD
- P26** VoceVistaVideo Pro in the Vocal Pedagogy Classroom
Richard Davis, DM
- P27** Location of Deep Brain Stimulation in Adductor Laryngeal Dystonia Affects Postoperative Voice Outcomes
Rita R. Patel, PhD, S. Elizabeth Zauber, MD, Thomas C. Witt, MD, Stacey Halum, MD; Benjamin Anthony, MD, Kunal Gupta, MD
- P28** How Does Our Voice Change as We Age? A Systematic Review and Meta-Analysis of Acoustic and Perceptual Voice Data from Healthy Adults Over 50 Years of Age
Sandra Rojas, PhD, Eliana Kefalianos, PhD, Adam Vogel, PhD,
- P29** Correlation between Voice Quality and Swallow Function in Patients with Parkinson Disorder
Martha Peña Sanchez, MA, Fernando Delprado Aguirre, MS
- P30** Training of Auditory-Perceptual Evaluation of Voice in Colombian Speech Therapists
Martha Peña Sanchez, SLP, Fernando Delprado Aguirre, SLP
- P31** A Lifelong Joy: Persistence and Retention Of Older African American Singers
Carolyn Sebron, MM, David Meyer, DM, Hakeem Leonard, PhD, Brenda Jo Smith, DMA, Stephanie Standerfer, PhD
- P32** Correlation of Physical Onset Type to Speed of Per Period Timbral Evolution
Mark Tempesta, MM, kayla Gautereaux, MM, Ian Howell, DMA
- P33** How Knowledgeable Are Musical Theatre Performers at California State University, Fullerton about Voice Services Offered by Voice-Specialized Speech-Language Pathologists?
Jennifer Lynn Creamer, BA, Julia Lanham, BA, Parveena Sigh, MA, Adriana Macias, BA
- P34** Glottal Attack and Offset Time Comparison between Patients with Adductor Spasmodic Dysphonia and a Patient with Vocal Tremor in High-Speed Videoendoscopy during Connected Speech
Sarah Zenas, BS, Dimitar Deliyiski, PhD, Stephanie Zacharias, PhD, Maryam Naghibolhosseini, PhD
- P36** Procedural Fidelity to the CAPE-V Among Voice Clinicians: A Comparative Analysis
Kathleen F. Nagle, PhD
- P54** Virtual Vocal Health Education for Preservice Teachers: A Pilot Project
Susan Brehm, PhD, Lydia Pion, MM, Renee Gottliebson, PhD

THURSDAY, JUNE 2, 2022

Poster Session 4:00pm - 5:30pm

- P55** Neurodegenerative Diseases and the Voice: An Introductory Study of Vocal Pathologies in Multiple Sclerosis, Parkinson's Disease, and Huntington's Disease including Music Therapy Protocols for the Singing Teacher
Laura Pritchard, DMA
- P56** Transnasal Humidified Rapid Insufflation Ventilatory Exchange (THRIVE) in Type 1 Thyroplasty
Amy Rutt, DO, Klaus Torp, MD, Zhou Li, MSc
- P57** Surface EMG and Muscle Contributions During Phonation: Systematic Review Including SEMG Tasks, Measurement, and Analysis
Sai Aishwarya Ramani, MSc, Eric Hunter, PhD



VIRTUAL POSTERS

- P22** Case Presentation: Rehabilitation of Bilateral Cordal Paralysis, Secondary to Prolonged Intubation in a Patient with SARS-CoV-2, with Left Posterior Cordectomy Using Laser Technique.
Gonzalo Inostroza Moreno PhD
- P37** A Rare Cause of Persistent Hoarseness: Laryngeal Solitary Extramedullary Plasmacytoma
Zhongjing Pan, Dan Lu, PhD
- P38** Understanding the Barriers in Seeking Professional Help for Voice-related Problems in Indian Trained Singers.
Revathi Raveendran, MSc, Yeshoda Krishna, PhD
- P39** Voice and Mask Use in COVID 19
Paola Diaz Borrego, MD, Maria Del Campo Sanchez, MD, Marina Lopez Ruiz, SLP, Manuel Rodriguez-Piñero Duran, MD, Marta Montes Catedra, SLP
- P40** The Relationship Between Voice Aspects and Stomatognathic System Aspects in Lyric Singers
Rafaela Lombas de Resende, SLP, Ana Carolina Constantini, PhD
- P41** Voice Usage in Higher Education During COVID-19 Pandemic
Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD
- P42** Case Report: Biomechanical Analysis of a Patient with Unilateral Vocal Fold Paralysis Before and After Vocal Fold Injection
Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P43** Vocal Profile and Vocal Training of Chilean Radio Broadcasters
Mauricio Alfaro-Calfullan, MS, Yuri Vega, MS, Patricio Soldivar, MS, Emily Kimball, PhD
- P44** Study of Evaluation of Mucosal Wave Variation According To The Pitch by Biomechanical Analysis
Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P45** Biomechanical analysis of the voice, characterization method in Amyotrophic Lateral Sclerosis (ALS)
Paola Diaz Borrego, MD, Margarita Perez Bonilla, MD, Roberto Fernández Baillo Gallego de la Sacristanía, MD
- P46** Detection of Amplitude Modulation Glottal Area Waveforms: Application for Detecting Disorders of Vocal Folds
Vinod Devaraj, MSc, Doria-Aaria Denk-Linnert, MD, Imme Roesner, MD, Philipp Aichinger, PhD
- P47** Voice Usage in Higher Education During COVID-19 Pandemic
Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD

VIRTUAL POSTERS

- P48 What's in a Name? The Impact of Survey Title on Responses to the Vocal Fatigue Index**
Mary Gorham-Rowan, PhD, Richard Morris, PhD, Laura Lynn Mullis, MS
- P49 Happy Talk: How Smiling Affects Laryngeal Movement and Pitch**
Gillian de Boer, PhD, Donald Derrick, PhD, Murray Schellenberg, PhD, Bryan Gick, PhD
- P50 Outcomes of Traditional Voice Therapy With Cognitive Therapy Versus Traditional Voice Therapy for the Management of Functional Voice Disorders: A Systematic Review**
Heidi Gray, SLP, Leah Coman, SLP, Sarah Thorning, Eliabeth Cordell, PhD, Kelly A. Weir, PhD
- P51 Comparison of Vocal Fatigue between School Teachers and College Faculty in South India**
Ceana Mariya Paul, MSc, K. Yeshoda, PhD
- P52 Investigating the Effectiveness of Tele-therapy in Treating Voice of an Individual with Unilateral Vocal Fold Paralysis Secondary to Guillain Barre Syndrome: A Case Study**
Jophia Sunny, SLP, Ketaki Vasant Phadke, SLP
- P53 Identification of Vocal Fatigue in Teachers through Biomechanical Voice Analysis**
Sandra Corvo, Roberto Fernandez-Baillo, PhD
- P58 Objective Assessment of Pushing Exercises on Glottic Tension and Strength**
Sandra Corvo, Roberto Fernandez-Baillo, PhD

5:30p Dinner (on your own)



NEW YORK SINGING TEACHERS ASSOCIATION

Educating Voice Professionals Worldwide Since 1906

NYSTA Supports The Voice Foundation on its 51st Anniversary Symposium

Available live in NYC and online worldwide, the New York Singing Teachers Association (NYSTA) offers its international membership events featuring leading figures in vocal performance, pedagogy, and health through the Great Coaches Series and Professional Development Program (PDP), as well as workshops, seminars, master classes and a peer-reviewed quarterly journal to inspire and educate those who work with the singing voice across all musical genres. Founded in 1906, NYSTA is the oldest singing teachers' association in the world. Join history! For more information about membership, professional development resources, and our scholarship program, please visit our website at

www.nyst.org

THURSDAY, JUNE 2, 2022

Special Session A: Measurement (6:30pm - 8:20pm)
Concurrent Session
Special Session - Measurement**Chair: Eric J. Hunter, PhD****The Westin Philadelphia Hotel, Grand Ballroom, Salon I**

- 6:30p A Comparative Study of Wavelet Analysis and Short-Time Fourier Transform on the Singing Voice
Xiao Shi, BS, Kayla Gautereaux, MM, Ian Howell, DMA
- 6:40p The Effect of an Outlet Tube Termination on the Acoustic SNR of the Vortex Whistle
Ang Li, MS, Jun Chen, PhD, Jordan Awan, PhD, David Eddins, PhD, Shaheen Awan, PhD
- 6:50p Within-Session Stability of Vocal Characteristics During Repeated Measures and Different Production Styles
Eric J. Hunter, PhD, Sarah Hargus Ferguson, PhD, Shae D. Morgan, PhD
- 7:00p Towards Quantifying Vocal Effort and Vocal Production in Response to a Controlled Vocal Demand
Eric J. Hunter, PhD, Mark L. Berardi, PhD, Susanna Whitling, PhD
- 7:10p Multiparametric Acoustic Model for Prediction of Voice Disorders in Brazilian Portuguese Speakers
Leonardo Lopes, PhD, Samuel Ribero Abreu, MS, Priscila Silva, PhD
- 7:20p Discussion
- 7:30p An I-Vector Based Voice Quality Classification System
Chuyao Feng, BS, Eva van Leer, PhD, David Anderson, PhD
- 7:40p Efficient Quantification of Self-Perceived Voice Symptoms in an Occupational Setting Using a Visual Analog Scale
Adrián Castillo-Allendes, SLP, Eduardo Fuentes-López, PhD, Daniel Guzmán-Ferrada, SLP, Eric J. Hunter, PhD
- 7:50p Study on the Vibration Closure Characteristics of Normal Human Vocal Folds through Synchronous Electroglottography and Laryngeal High-Speed Photography Signal Combining Artificial Intelligence Automatic Analysis
Xinlin Xu, MD, Xi Wang, MD
- 8:00p Increasing the Diagnostic Value of Electroglottographic Metrics using Matched Comparisons
Meike Brockmann-Bauser, PhD, Naomi Iob, Huanchen Cai, Lei He, PhD, Sten Ternström, PhD
- 8:10p Discussion
- 8:20p Adjourn

VIRTUAL CONTENT

Early Investigation of Reported of COVID-19 Symptoms in Singers
Ana Flavia Zuim, PhD, Aaron Johnson, PhD, Justin Moniz, DM, Nicholas Connolly, MM



SCAN ME

THURSDAY, JUNE 2, 2022

Special Session B: Measurement (6:30pm - 8:20pm) Concurrent Session

THURSDAY, JUNE 2, 2022
AGENDA

Special Session - Measurement

Chair: Catherine Madill, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 6:30p Voice Onset Measurement: A Systematic Review
Antonia Margarita Chacon, SLP, Duy Duong Nguyen, MD, Michael Döllinger, PhD, Tomás Arias, MSc, Catherine Madill, PhD
- 6:40p Using Voice Synthesis Techniques to Virtually Explore the Sound Field within the Human Vocal Tract
Daniel Ryan Michael Woods, MSc, David Howard, PhD
- 6:50p Aerodynamic, Glottographic, and Acoustic Effects of Clear Speech
Mahdi Tahamtan, MSc, Ronald C. Scherer, PhD
- 7:00p Comparative Analysis of Two Methods of Perceptual Voice Assessment
Hagar Feinstein, SLP, Ümit Daşdoğan, MSc, Katherine Verdolini Abbott, PhD
- 7:10p Time versus Spectral-Based Acoustic Analysis of the Vortex Whistle
Jordan Awan, PhD, Jun Chen, PhD, David Eddins, PhD, Ang Li, MS, Shaheen Awan, PhD
- 7:20p Discussion
- 7:30p Physical Modeling of High-Resolution Hybrid CT+MRI Vocal Tract Images
David Meyer, DM, Sajan Goud Lingala, PhD, Subin Erattakulangara, BS, Wahidul Alam, BS, Rushdi Rusho, BS, Jarron Atha, BS, Gary E. Christensen, David M. Howard, PhD, Eric A. Hoffman, Ingo R. Titze, PhD
- 7:40p Minimal CT Dosages Necessary for Blended CT+MRI Vocal Tract Imaging
David Meyer, DM, Sajan Goud Lingala, Jarron Atha, BS, David M. Howard, PhD, Eric A. Hoffman, PhD, Ingo R. Titze, PhD
- 7:50p Effect of Crack/Sob Onset on Acoustic Measures of Voice Quality and Closed Quotient
Aaron Johnson, PhD, Tyler Crosby, MD, Mike Ruckles, MM
- 8:00p Discriminative Power of Ambulatory Phonation and Non-Phonation Behaviors to Classify Patients with Phonotraumatic Vocal Hyperfunction and Vocally Healthy Matched Controls
Hamzeh Ghasemzadeh, PhD, Robert E. Hillman, PhD, Andrew J. Ortiz, MS, Jarrad Van Stan, PhD, Daryush D. Mehta, PhD
- 8:10p Discussion
- 8:20p Adjourn

VIRTUAL CONTENT

Self-Assessment of Vocal Symptoms and Coping Strategies in Dysphonia:
New Perspective Based on Item Response Theory

Larissa Nadjara Alves Almeida, MD, João Agnaldo do Nascimento, MD, Iandra Kaline Lima Barbosa, MD, Anna Alice Almeida, MD



SCAN ME

FRIDAY, JUNE 3, 2022

6:45a Advisory Board Meeting: Chair: Michael M. Johns III, MD
(The Director's Room)

7:30a Registration Opens
(Independence Hall)

Special Session (8:00am - 12:00pm)

Voice and Culture

Moderator: Nancy Pearl Solomon, PhD

The Westin Philadelphia Hotel, Grand Ballroom

8:00a Our Differences Make Us Stronger! Diversity in Voice Use and Voice Care
Nancy Pearl Solomon, PhD

8:10a Traits of Civilization and Voice Disorders
Abdul-Latif Hamdan, MD

8:50a Expression and Perception of Emotions in the Voice Across Cultures
Uncovering Neurobiological Mechanisms
Petri Laukka, PhD

9:30a Coffee Break

10:00a Assessment of Voice Disorders in a Multicultural World
Mara Behlau, PhD

10:30a Addressing Cultural Disparities in Voice Research and Care: Framing
Future Directions
Mariah Morton, MS

11:00a- DISCUSSION
12:00p *Moderator: Nancy P. Solomon, PhD*
Panel: Hamdan, Laukka, Behlau, Morton

12:00p Lunch (on your own)

12:15pm - 1:30pm Voice Foundation Board of Directors Meeting
Chair: Robert T. Sataloff, MD
Board Room

12:15pm Young Laryngologists Meeting
Chair: Thomas Carroll, MD
Director's Room

The Workshop Sessions 1:30pm - 4:45pm

WORKSHOP REMINDER

The Workshops are at the **Academy of Vocal Arts, 1920 Spruce St.**, a half mile walk from the Westin Hotel. **Maps & Directions** to Academy of Vocal Arts (AVA) are available online, and at the Registration Desk

Directions and Map:



SCAN ME

FRIDAY, JUNE 3, 2022

Workshops Session I (1:30pm-2:25pm)

Musical Theater/Pop-Rock-RnB/CCM

Can You Sing With All the Colors of Your Voice? Developing Vocal Strength and Flexibility
Using the Principles of Somatic Voicework™ The LoVetri Method
Maria Damore, MS, Bharati Soman, MM

Rehabilitation of the Injured Speaking Voice

Flow Phonation Workshop (Live)
Jackie Gartner-Schmidt, PhD

Transgender Voice

Toolbox for the Trans Vocal Performer: From Speaking to Singing and Everything in
Between
Caitlin Croegaert Koch, MS

Singing Voice

Multiple Strategies for Each Stage of the Breath Management Cycle
Carla LeFevre, DMA

The Baritenor Conundrum
Thaddaeus Bourne, DMA

Voice Studio/Science/Technology

VoiceVista as a Pedagogical Tool: Exploring the [a] Scale of the Classical Treble Singer
Kelley Hijleh, GPD

So You Want to Start a Collaborative Voice Center: Models, Methods, and Moxy
Desi Gutierrez, Edie Hapner, PhD

Workshop Session II (2:30pm-3:25pm)

Acting Voice

Voice. Diction. Resonators.
Zane Daudzina, Mag Art

Musical Theater/Pop-Rock-RnB/CCM

Shifting Gears from Classical to Commercial Styles
Edrie Means Weekly, MM

Singing Voice

Consonants are Kings, Vowels are Queens, and the Rest is Respiration
Linda Carroll, PhD

So you know how to sing? ...Now let's scream!
Nicolás Hormazábal

Transgender Voice

Non-Binary Voice: Repertoire and Technique for an AFAB Classical Singer
Liz Jackson Hearn, MM

Body Awareness and Voice

The Use of The Franklin Method® for Optimizing Posture, Breathing and
Phonation
Kate Emerich, MS

FRIDAY, JUNE 3, 2022
AGENDA

FRIDAY, JUNE 3, 2022

Workshop Session III (3:30pm-4:25pm)

Singing Voice

Too Much, Too Little, Just Right: The Balancing Act Model of Singing
Robert Edwin, BA

Not Lost In Translation: Using Focus Of Attention Directives In Voice Training
Melissa Treinkman, DMA

It's Not all Fun and Games.....or Is It?
Sheri Cook-Cunningham, PhD, Melissa L. Grady, PhD

Musical Theater/Pop/Rock/CCM

The Use of Rough Vocal Effects in Singing – How to Train Noises such as Distortions, Grunts, Growls, Screams, and Many Others in a Healthy Manner
Mathia Aaen, PhD

Body Awareness and Voice

Adapting Yogic Breathwork for Voice Therapy and Singing Voice Rehabilitation
Kenneth Tom, PhD

Just Breathe: Breathing Techniques for Performing and Rehabilitation
Louise Pinkerton, MM

Voice Science/Technology

Organizing Virtual Interprofessional Vocal Health Screenings for Singing Students
M. Eugenia Castro, MS

Virtual Workshops

Experience Bossa Nova through Listening, Singing and Body Percussion
Elizabeth Amin, SLP

My Floor Fell Out! Now What? Pelvic Floor Health for the Singer
Rebekah J. Ankrom-Baker, MM

Teleeducation Program for Teachers
R. Eugenia Chavez Calderon, MD

Can You Sing With All the Colors of Your Voice? Developing Vocal Strength and Flexibility Using the Principles of Somatic Voicework™ The LoVetri Method
Maria Damore, MS, Bharati Soman, MM

Considering Client Motivation through the Lens of Self-Determination Theory
Hillary Enclave, MS, M. Eugenia Castro, MS, Benjamin Hall, LMFT

Professional Vocal Health: A Guide for Routine Care
Maria Franca, PhD

The Power of Strategic Feedback
Lorraine Manifold, MA



SCAN ME

CONGRATULATIONS

The Editorial Board of the Journal of Voice
is proud to announce the 2021 Best Paper Awards

Access to these articles is gratis for the next six months at jvoice.org

Basic Science

[Using Pitch Height and Pitch Strength to Characterize Type 1, 2, and 3 Voice Signals](#)

Supraja Anand, Lisa M. Kopf, Rahul Shrivastav, David A. Eddins

Clinical Medicine

[Safer Singing During the SARS-CoV-2 Pandemic: What We Know and What We Don't](#)

Matthew R. Naunheim, Jonathan Bock, Philip A. Doucette, Matthew Hoch, Ian Howell, Michael M. Johns, Aaron M. Johnson, Priya Krishna, David Meyer, Claudio F. Milstein, John Nix, Michael J. Pitman, Trineice Robinson-Martin, Adam D. Rubin, Robert T. Sataloff, Herbert Steven Sims, Ingo R. Titze, Thomas L. Carroll

SLP/Vocal Ped

[Developing Clinically Relevant Scales of Breathly and Rough Voice Quality](#)

David A. Eddins, Supraja Anand, Arianna Lang, Rahul Shrivastav

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Elsevier

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Voices of Summer Gala

Friday, June 3, 2022

5:30p Cocktails,
6:30p Dinner, Awards, Entertainment, Dancing

Honoring



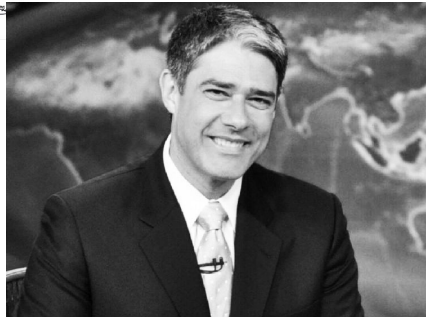
*Jon Bon Jovi, Pop-Rock
Idol*



*Vladimir Chernov,
Metropolitan Opera Star*



Tickets available online or
at the registration desk.



*William Bonner, Brazilian
Newsman, Globo TV*

SATURDAY, JUNE 4, 2022

6:45a New Investigator Research Forum
Incoming Chair: Rita R. Patel, PhD
(Thanks to Molly Erickson, PhD for her work leading this committee)
(The Director's Room)

7:30a Registration Opens
(Independence Hall)

AWARD INFORMATION ONLINE

THE VOICE FOUNDATION CAREER AWARD

The Johan Sundberg-Ingo Titze Award
ANNUAL SYMPOSIUM RESEARCH AWARDS
Sataloff Award for New Investigators (sponsored by Elsevier)



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Hamdan Award for International Presenters
(endowed by Abdul-latif Hamdan, MD)

NSDA Research Award (National Spasmodic Dysphonia Association and TVF,
for related research)

Van L. Lawrence Fellowship (co-sponsored by NATS and for NATS members)

Journal of Voice Best Paper Awards

Best Poster Awards: Judged by a wide range of senior researchers.

Hamdan Best Student Presentation (Sponsored by Abdul-latif Hamdan, MD)

Gisele Oliveira Award (Sponsored by Adam Rubin, MD)

Annual Symposium Educational Opportunity Award

New Investigator Research Forum

ANNUAL SYMPOSIUM LECTURES

The Voice Foundation is proud to offer the following awards of excellence and to honor those who have contributed significantly to the field of voice.

Quintana Award: recognizing those who design or utilize technology and apply engineering principles that provide further understanding of the voice.

G. Paul Moore Lecture: Named in honor of Dr. Moore, this lectureship was created to provide an opportunity for people of stature in the field to share their philosophical and historical perspectives on voice and to provide an overview of their particular areas of interest

Keynote Speakers
Master Class Teachers

GALA AWARDS

V.E.R.A. Award: Voice Education Research Awareness
Raymond and Beverly Sackler Award for vocal excellence.

Wilbur James Gould Award: presented upon Board approval to honor outstanding supporters of The Voice Foundation activities.

Tony Randall Memorial Award: in honor of our beloved President Emeritus, Tony Randall.

SATURDAY, JUNE 4, 2022

Medical Session A (8:00am—9:50am) Concurrent**Chair: Matthias Echternach, MD****The Westin Philadelphia Hotel Grand Ballroom, Salon I**

- 8:00a Singing Voice Symptomatology Following Presumed SARS-CoV-2 Infection
Sophia E. Dove, BM, Christine A. Petersen, PhD, David Meyer, DM
- 8:10a Association between Voice Functioning with Sleep and Stress among Health Personnel in a Colombian Hospital during the COVID-19 Pandemic
Lady Catherine Cantor Cultiva, PhD, Andrés Carrillo-Gonzalez, MS
- 8:20a Economic impact of the COVID-19 Pandemic on Voice Functioning, Stress, and Sleep in Colombian College Professors
Lady Catherine Cantor Cultiva, PhD, Leidy Lorena Forero-Suárez, BA, Bibiana Omaira Rute-Sanabria, BA, Ángela Patricia Ataró-Piraquive, MS
- 8:30a Respirable Aerosol Emission during Voice Assessment and Treatment
Brian Saccente-Kennedy, MSc, Ruth Epstein, PhD, Justice Archer, PhD, Henry Symons, PD, Natalie Anne Watson, MA, Christopher M. Orton, OBBS, Joshua Harrison, MS
- 8:40a Assessing the Effectiveness of Mitigation Strategies to Reduce Airborne Respirable Aerosols during Voice Assessment and Treatment
Brian Saccente-Kennedy, MSc, Ruth Epstein, PhD, Alicja Szczepanska, MSc, Joshua Harrison, MS, Justice Archer, PhD, Natalie Anne Watson, MA, Declan Costello, MD, Bryan R. Bzdek, PhD, Jonathan, Reid, PhD,
- 8:50a Discussion
- 9:00a Acoustic Analysis of Professional Singing Masks
Bogac Tur, MSc, Matthias Echternach, PhD, Stefan Turowski, PhD, Meinard Müller, PhD, Marie Köberlein, PhD, Michael Döllinger, PhD, Stefan Kniesburges, PhD
- 9:10a Impulse Dispersion of Professional Singing Masks
Matthias Echternach, MD, Laila Hermann, Sophia Gantner, MD, Bogac Tur, MSc, Gregor Peters, MSc, Caroline Westphalen, Tobias Beenthaus, MD, Marie Köberlein, PhD, Michael Döllinger, PhD, Stefan Kniesburges, PhD
- 9:20a Vocal Dosage for Partners of People with Hearing Impairment
Julia Kathryn Ellerston, CCC-SLP, Elizabeth D. Young, MS, Eric J. Hunter, PhD, Sarah Hargus Ferguson, PhD
- 9:30a The Validity and Reliability of the Reflux Finding Score: The Effect of Physician Training
Parastou Azadeh Ranjbar, BS, Bailey Balouch, BS, Christopher Yam, MS, Ghiath Alnouri, MD, Ahmad Al Omari, MD, Harleen Sethi, DO, Robert T. Sataloff, MD
- 9:40a Discussion

VIRTUAL CONTENT

The Impact of Masking Habits on Voice in a Sub-Population of Healthcare Workers
Christopher Jabbour, MD, Abdul-Latif Hamdan, MD, Anthony Ghanem, MD, Paola Ghanem, MD



SCAN ME

SATURDAY, JUNE 4, 2022

Medical Session B (8:00am—9:50am) Concurrent

Chair: Joel Portnoy, MD

The Westin Philadelphia Hotel Grand Ballroom, Salon II

- 8:00a The Microbiome of the Larynx in the Healthy and Diseased State
Samantha Frank, MD, Ruwaa Samarrai, MD, George Weinstock, PhD, Daniel Roberts, MD, Denis Lafreniere, MD
- 8:10a Sustained Release of IL-10 from Laponite-Loaded Microgels Modulate Macrophage Activation and Attenuate Vocal Fold Fibroblast Collagen Synthesis
Sepideh Mohammadi, MSc, Hossein Tavanbakhsh, PhD, Sareh Taheri, MSc, Guangyu Bao, MSc, Luc Mongeau, PhD
- 8:20a Impact of Continuous Positive Pressure Therapy – CPAP on Vocal Quality
Bruna Rainho Rocha, SLP, Vanessa Veis Ribeiro, PhD, Dalva Payares, MD, Mara Behlau, PhD
- 8:30a Healthy Extreme Vocals – a Longitudinal Study of Vocal Health in 20 Singers Performing and Teaching Rough Vocal Effects
Mathias Aaen, PhD, Cathrine Sadolin, Anna White, Reza Nouredi, MD Julian McGlashan, MD
- 8:40a Galacturonic Acid-Pectin, a Lubricant of the Vocal Folds that Improves Vocal Function
María Borragán Salcines, PhD, Marco Fantini, MD, Andrea Ricci-Maccarini, MD, Bruno Gómez Mediavilla, SLP, Marian Agudo Leguina, SLP, Alfonso Borragán Torre, PhD
- 8:50a Discussion
- 9:00a Relationship Between First Voice Complaint and Voice Diagnosis in Patients with Chronic Cough
Rim Saab, MS, Thomas Murry, PhD, Jessica Kim, BS, Priya Krishna, MD, Brianna Crawley, MD
- 9:10a The Less You Cough the Less You Cough
Natasha Curham, SLP, Debra Jean Phyland, PhD
- 9:20a Reliability of Laryngeal Videostroboscopy with Visual-Perceptive Parameters in Cipto Mangunkusumo General Hospital
Yonian Gentilis, MD, Elvie Zulka, MD
- 9:30a-9:50a Discussion

VIRTUAL CONTENT

Larynx Movement during Singing in Professional Singers and Non Singers: A 3D Analysis
Claudio Storck, MD, Christian Ebnoether, MD, Jan Thommen, MD

The Utility of Ultrasound Imaging in the Examination of Pediatric Larynges
Ching Man Rosalina, BS, Elaine Kwong, PhD

Clinical and Pathological Features of Vocal Fold Leukoplakia and Related Factors of Recurrence and Canceration
Haizhou Wong, MD, Liyu Cheng, MBBS, Wen Xu, MD

SATURDAY, JUNE 4, 2022

9:50a Coffee Break

Panel (10:10AM—11:00AM)

The Westin Philadelphia Hotel, Grand Ballroom

Gender Affirming Voice Care: Choices and Challenges

Moderator: Aaron Zigler, PhD

Panelists: Simon Best, MD, Kristen Lee Bond, CCC-SLP, Emily Tomaine, Katherine C. Yung, MD

Award Announcements (11:00AM—11:10AM)

Chair: Robert T. Sataloff, M.D.

The Westin Philadelphia, Grand Ballroom

31st Van Lawrence Fellowship Award14th Annual Sataloff Young Investigators Award22nd Annual David W. Brewer Award for Best Poster16th Annual Journal of Voice Best Paper Awards11th Annual Hamdan International Presentation Award8th Annual Best Student Presentation Award4rd Spasmodic Dysphonia Research Award4th Sundberg-Titze Award

SCAN ME

**For more information
about Symposium
Awards and past
winners**

G. Paul Moore Lecture (11:10AM—12:00PM)

Chair: Robert T. Sataloff, M.D.

The Westin Philadelphia, Grand Ballroom

**My Journey in Aging Voice****Michael M. Johns III, MD**

Dr. Johns is a graduate of Johns Hopkins School of Medicine. He completed his residency in Otolaryngology at the University of Michigan and trained as a research fellow through their National Institute of Health T32 program. He then pursued a fellowship in laryngology and care of the professional voice at the Vanderbilt Voice Center at Vanderbilt University. Dr. Johns was awarded high honors during his academic career, including membership in Phi Beta Kappa and Alpha Omega Alpha medical honor society. He is the director of the USC Voice Center at the University of Southern California, pursuing

research, teaching and clinical care, with a specific interest in laryngeal dystonia, geriatric laryngology and the aging voice.

SATURDAY, JUNE 4, 2022

SATURDAY, JUNE 4, 2022
AGENDA

12:00p Lunch Break (on your own)

Meeting of the Voice Laboratory Representatives
(Georgian Room)

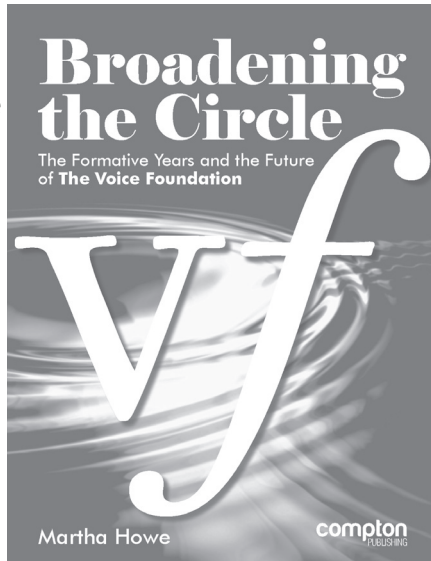
Meeting of The Voice Foundation Chapters
(The Director's Room)

Broadening the Circle: The Formative Years and the Future of The Voice Foundation by Martha Howe,

is more than a celebration and history of The Voice Foundation: indeed, it might be argued that it is, truly, the 'state of the art' (and the science!).

Here is a fascinating and illuminating chronicle of the development of the science and art of voice, told by the scientists, teachers, speech-language pathologists, otolaryngologists, and voice performers who have influenced – and continue to influence – this still-new and developing science built around the complexities of the human voice.

Available at
The Voice Foundation
exhibitor table or online at



SCAN ME

SATURDAY, JUNE 4, 2022

Speech-Language Pathology A (1:00pm—3:00pm)

Salon I - Concurrent Session

Session Chair: Deborah Feijo, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon I

- 1:00p Voice Therapy Placebo. Does It Exist?
Kristiane Van Lierde, PhD, Saar Nia, MD, Evelien d’Haeseleer, PhD, Iris Meerschman, PhD, Clara Leyns, MSc, Imke Kissel, MSc, Anke Adriaansen, MSc, Tine Papeleu, SLP, Youri Maryn, PD
- 1:10p Adherence to Conversation Training Therapy with and without the Fake Phone Call
Eva van Leer, PhD, Amanda Gillespie, PhD
- 1:20p Does a Systematic Vocal Exercise Program Enhance the Physiologic Range of Voice Production in Classical Singing Graduate-Level Students?
Marco Guzman, PhD, Vrushali Angadi, PhD, Daniel Croake, PhD, Christopher Catalan, SLP, Constanza Romero, SLP, Gabriela Acuña, Richard Andreatta, PhD, Joseph Stemple, PhD
- 1:30p Voice Acoustic Parameter Dependencies on Recording Instruments from Repeated Clinical-Like Recordings: Accelerometer vs. Microphone
Lady Catherine Cantor-Cutiva, PhD, Adrián Castillo-Allendes, MS, Eric J. Hunter, PhD
- 1:40p The Relationship Between Self-Evaluation Protocols and the Vocal Use of Active Working Broadcast Television Sports Narrators
Deborah Feijó, CCC-SLP, Mara Behlau, PhD, Patricia Lopes, CCC-SLP
- 1:50p Discussion
- 2:00p Introducing EAVE: A Self-Report Tool for Tracking the Perceived Physical Aspects of Vocal Function
Debbie Jean Phyland, PhD, Nicole Free, SLP, Mara Behlau, PhD
- 2:10p Effects of Interferential Current Stimulation to the Neck on Functional Dysphonia: Clinical Case Study
Mami Kaneko, PhD, Yoichiro Sugiyama, MD, Shigeru Hirano, MD
- 2:20p The Immediate Impact of Targeted Exercises on Voice Characteristics in Female Speakers with Phonotraumatic Vocal Fold Lesions
Nicole Free, CCC-SLP, Joseph Stemple, PhD, Debra Jean Phyland, PhD, Julian Smith, MD
- 2:30p Exploring the Lombard Effect in Participants with Non-Phonotraumatic Vocal Hyperfunction using a Simplified Version of the DIVA Model
Juan Pablo Cortés, PhD, Christian Castro, SLP, Pavel Prado, PhD, Lucia Zepeda, SLP, Victor Espinoza, PhD, Matías Zañartu, PhD
- 2:40p A Qualitative Study of Expert Opinion on Implementation of Phonation Resistance Training Exercises
Aaron Ziegler, PhD, Edie R. Hapner, PhD
- 2:50p Discussion
- 3:00p Break

SATURDAY, JUNE 4, 2022

Speech-Language Pathology B (1:00pm—3:00pm)

Salon II- Concurrent Session

Session Chair: Chaya Nanjundeswaran, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 1:00p Evaluating the Therapeutic Use of a Vibratory Positive Expiratory Pressure Device (Acapella Choice) in the Treatment of Pathological Voice
Brian Saccente-Kennedy, MSc, Pedro Amarante Andrade, PhD, Ruth Epstein, PhD
- 1:10p Breath Support Therapy in Patients with Voice Disorders: Outcomes Based on Objective Voice Measures
Kaitlyn C. Kishbaugh, CCC-SLP, Kenneth W. Altman, MD, Priscilla FA Pichardo, DO, Christina E. Kemper, CCC-SLP
- 1:20p Could Magnetic Resonance Guided Ultrasound Thalamotomy (MRgFUS) Be the New Frontier In The Treatment of Vocal Tremor?
Claudio F. Milstein, PhD, Paul Bryson, MD, Michelle Adessa, CCC-SLP, Diana Lopez, MS
- 1:30p Speech Pathology and Vocal Cord Dysfunction - Clinical Perspectives on Easing the Flow
Kate Lethbridge, CCC-SLP, Aashna Vazirani, SIP, Debra Jean Pyland, PhD
- 1:40p Effectiveness of Glottal Source Features in the Discrimination of Speech of Healthy Talkers from Speech of Parkisonian Talkers with and without Perceptual Dysarthria
Sudarsana Reddy Kadiri, PhD, Paavo Alku, PhD
- 1:50p Discussion
- 2:00p Effects of Voice Therapy in Children with Vocal Fold Nodules: A Pilot Study
Anke Adriaansen, MSc, Kristiane Van Lierde, PhD, Iris Meerschman, PhD, Sofie Claeys, Lynsey De Smet, Evelien D'haeseleer, PhD
- 2:10p Clinical Choices for Children: SLP Management of Benjamin Defect
Paula L. Barson, CCC-SLP, Linda Carroll, PhD, Abigail L. Rosenberg, CCC-SLP, Kimberly L. Duffly, CCC-SLP, Karen B. Zur, MD
- 2:20p Behavioral Data in Exploration of the Identity-Centric Framework for Voice Habilitation and Rehabilitation
Marianna Rubino, CCC-SLP, Maria Dietrich, PhD, Katherine Verdolini Abbott, PhD
- 2:30p Listeners' Attitudes toward Young Men Using Glottal Fry
Chaya Nanjundeswaran, PhD, Marci Dupre, BA, Savannah Forren, BS, Nora Marshall, BA, Bailey Schneider, BS, Kylee Winkler, BS
- 2:40p Preliminary Validation of the Trans Woman Voice Questionnaire (TWVQ) in Thai
Kiattipoom Nantanukul, MSc, Laruyn Zipse, PhD, Charles Haynes, EdD, Michelle Adessa CCC-SLP, Sujinat Jitwiriyant, PhD
- 2:50p Discussion
- 3:00p Break

AGENDA

SATURDAY, JUNE 4, 2022

SATURDAY, JUNE 4, 2022

Speech-Language Path A continued (3:30pm—5:10pm)

Session Chair: *Lady Catherine Cantor Cultiva, PhD*
The Westin Philadelphia Hotel, Grand Ballroom, Salon I

- 3:30p A Physiologic Voice Therapy Program Based on Different Semi-Occluded Vocal Tract Exercises in Subjects with Functional Dysphonia: A Randomized Controlled Trial
Teresa Bertucci, SLP, Constanza Pacheco, SLP, Fernando Leiva, SLP, Felipe Quintana, SLP, Romina Ansaldi
- 3:40p The Effect of Bilingualism on the Voice of Spanish-English Bilingual Speakers
Lacy Catherine Cantor Cutiva, PhD, Pasquale Bottalico, PhD, JosseMia Webster, SLP, Keiko Ishikawa, PhD
- 3:50p Effects of Voice Therapy in Children with Vocal Fold Nodules: A Systematic Review
Anke Adriaansen, MSc, Iris Meerschman, PhD, Kristiane Van Lierde, PhD, Evelien D'haeseleer, PhD
- 4:00p Discussion
- 4:10p Characterizing Vocal and Communicative Dysphoria in the General Population
Leah B. Helou, PhD, AC Goldberg, PhD, Brett Welch, CCC-SLP
- 4:20p Prevalence of Self-Identified Laryngoresponders in a Non-Treatment-Seeking Sample of the General Population
Leah B. Helou, PhD, Sarah Hoch, BA, Brett Welch, CCC-SLP, Jacqueline Gartner-Schmidt, PhD
- 4:30p Laryngoscopic Biofeedback for the Treatment of ILO: A Pilot Study
Estelle Bogdanski, CCC-SLP, Antoine Giovanni, PhD, Alexia Mattei, MD, Ralph Haddad, MD, Justin Michel, PhD
- 4:40p Yoga Protocol Development for Muscle Tension Dysphonia: A Delphi Study
Anuja Chhabra, PhD, Ryan Bradley, MPH, Heather Zwickey, PhD, Maria Dietrich, PhD, Miriam R van Mersbergen, PhD, Julie Barkmeier-Kraemer, PhD
- 4:50p Discussion
- 5:00p Dinner



SCAN ME

VIRTUAL CONTENT

Influence of School and Classroom Conditions on Teacher's Vocal Health: A Systematic Review
Julio Fernando Ochoa Rodriguez, MSc, Harold Zamir Tabora Osorio, MSc, Jenyffer Andrea Ramirez Vaca, Milena Salcedo Leyva

Economic Costs Associated with Voice Disorders among Occupational Voice Users: A Systematic Review
Harold Zamiir Tabora Osorio, MSc, María Jesús Terradillos García, PhD, Martha Isobel Riaño Casallas, PhD

Patient and Clinician Perspectives on Chronic Functional Voice Disorders: A Qualitative Study
Judith Wodzak, CCC-SLP

Continued on page 28

SATURDAY, JUNE 4, 2022

Speech-Language Path B continued (3:30pm—5:10pm)

Session Chair: Julia Kathryn Ellerston, MA, CCC-SLP
The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 3:30p Vicarious Virilization: A Case Pairing of Testosterone Transfer from Male Partners Creating Female Dysphonia
Julia Kathryn Ellerston, CCC-SLP, Elizabeth Hary, CCC-SLP
- 3:40p Acoustic Outcomes in Patients seeking Voice Feminization: Investigation into Articulatory and Spectral Measures
Renee L. Gustin, CCC-SLP, Tara E. Dickinson, Savannah N. Shanley, Rebecca J Howell, MD, Amy L. Hobek, PhD, Tulsı H. Patel, MS, Victoria S. McKenna, PhD
- 3:50p Short-term Acoustic Effects of Speech Therapy in Transgender Women
Clara Leyns, MSc, Julie Daelman, Anke Adriaansen, MSc, Dominique Morsomme, PhD, Peter Tomassen, MD, Guy T'Sjoen, MD, Evelien D'haeseleer, PhD
- 4:00p Intonation Parameters in Gender Diverse People
Tine Popeleu, MSc, Clara Leyns, MSc, Peter Tomassen, MD, Paul Corthals, PhD, Guy T'Sjoen, MD, Evelien D'haeseleer, PhD
- 4:10p Discussion
- 4:20p Acoustic Voice Characteristics of Healthy Aging in Continuous Speech
Sandra Rojas, PhD, Elaina Kefalianos, PhD, Miya St John, SLP, Adam Vogel, PhD
- 4:30p A Cross-Sectional Study of Perceptual and Acoustic Voice Characteristics in Healthy Aging
Sandra Rojas, PhD, Benjamin G. Schultz, PhD, Miya St John, SLP, Elaina Kefalianos, PhD, Adam Vogel, PhD
- 4:40p Effects of Sidetone Amplification on Vocal Function During Telecommunication
Nicole E. Tomassi, BS, M. Eugenia Castro, CCC-SLP, Lauren Timmons Sund, CCC-SLP, Manuel E. Díaz-Cádiz, MS, Daniel P. Buckley, CCC-SLP, Cara E. Stepp, PhD
- 4:50p Discussion
- 5:00p Dinner



SCAN ME

VIRTUAL CONTENT

Trans Women's Perception and Experiences on "Voice Feminization" in Santiago, Chile
Marcelo Saldías, PhD, Ignacia Fuenzalida, Jordan Hicks, Javiera Rey, Patricia Junge, PhD

Provider and Patient Satisfaction with Telemedicine Voice Therapy During the COVID-19 Pandemic

Mary E. Kim, BA, Lauren Timmons Sund, CCC-SLP, Mariahh Morton, CCC-SLP, James Kim, MD, Janet S. Choi, MD, M. Eugenia Castro, CCC-SLP

Comparison of Acoustic Parameters, "VOT" and "CPP", between Post-lingual Cochlear Implanted Users and Normal Peers

Fatemeh Aghaei, MSc, Ali Dehqan, PhD, Peyman Zamani, PhD, Hassan Khoramshahi, PhD

Continued on page 28

AGENDA

SATURDAY, JUNE 4, 2022

SATURDAY, JUNE 4, 2022

VIRTUAL CONTENT Continued

Frameworks, Terminology and Definitions used for the Classification of Voice Disorders, a Scoping Review

Christopher Payten, BSc, Greg Chiapello, MSc, Kelly Weir, PhD, Catherine Madill, PhD

Investigation of the Effects of Cricothyroid Visor Maneuver (CVM) Therapy on the Voice Characteristics of Patients with Muscular Tension Dysphonia

Nasrin Shahouzaei, MSc, Ali Dehqan, PhD, Hamide Ghaemi, PhD

Acoustic Variables Associated with Perception of Strain

Molly Erickson, PhD, Taylor Stone, BM

A Lung Volume Based Training Paradigm for Treatment of Muscle Tension Dysphonia

Soren Y. Lowell, PhD, Dana S. Levitt, CCC-SLP, Richard T. Kelley, MD, Raymond H. Colton, PhD, Anya C. Freedman-Doan, MM, Mariela B. Mercado, BA

5:10p Dinner on your own

Voice Pedagogy A (6:00pm-7:10pm) Concurrent Session

Session Chair: Kathy Kessler Price, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon I

6:10p Effects of a Choral Warm-up With and Without Singer Gestures on Mature Singers
Melissa L. Grady, PhD, Sheri Cook-Cunningham, PhD

6:20p Choral Singing and Hearing in Masks: Acoustical and Perceptual Measurements of Choral Spacing Distance and Mask Type in Light of Singer/Listener Preferences
Kathy Kessler Price, PhD, Felicia Betts, BM, Minh-Vy Duong, BM

6:30p Voice Quality of Choir Singers and the Effect of a Performance on the Voice
Kristiane Van Lierde, PhD, Evelien d'Haeseleer, PhD, Imke Kissel, MSc, Clara Leyns, MSc, Tine Papeleu, MSc, Julie Daelman, MSc, Iris Meerschman, PhD

6:40p Vocal Tracts in Virtual Reality – A Preliminary Report
Mohammad F. Obeid, PhD, David Meyer, DM, David M. Howard, PhD, Dan Wilson

6:50p Singing in Different Performance Spaces: Room Acoustic Effects on Vibrato and Pitch Inaccuracy
Joshua Glasner, PhD, Pasquale Bottalico, PhD, Natalia Łastowiecka, Silvia Murgia, MA, Yvonne Gonzales Redman, BM

7:00p- 7:10p Discussion

Voice Pedagogy B (6:00pm-7:10pm) Concurrent Session

Chair: Jeanne Goffi-Fynn, EdD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

6:10 PM Vocal Instruction in the Covid-19 Pandemic: A Survey of Voice Teachers
Jeanne Goffi-Fynn, EdD, Christianne Roll, EdD

6:20 PM Effects of Singing Lessons on Mental and Physical Health During Social Distancing
Maira dos Santos Jaber, MM

6:30 PM The Effect of Formant-Harmonic Crossovers on Vowel Perception
May Pik Yu Chan, BA, Jianjing Kuang, PhD

SATURDAY, JUNE 4, 2022

6:40 PM The Relationship Between Speech-Language Pathologists (SLPs) and Young Singers: A Survey

*Juliana C. Rivelli, BS, Sophia E. Dove, BM, Katrina E. Miller, EdD,
David Meyer, DM*

6:50 PM Polyphonic 8-Channel 8-Stop Vocal Tract Organ

David Howard, PhD

7:00p- 7:10p Discussion

Master Class 7:30pm-8:45pm)
Reception Following - All are welcome

Vladimir Chernov, Baritone

Beginning in March 2005 Chernov became Regents' Lecturer in the Division of Voice and Opera of the Music Department of the University of California, Los Angeles (UCLA) and in 2006 he became a Professor of Vocal Studies in the Music Department.

His brilliant career began in the United States when he performed the role of Foscari in *I Due Foscari* at Carnegie Hall in 1991, and soon made his debut at the Metropolitan Opera as Miller in *Luisa Miller*. He then became a featured artist at the Metropolitan Opera, and performed in multiple productions of *Don Carlo*, *Il Trovatore*, *Stiffelio*, *Simon Boccanegra*, *La Traviata*, *La Bohème*, *Il Barbiere di Siviglia*, and various gala productions. Chernov's success at the Metropolitan Opera was followed by further successes at San Francisco Opera (*Ezio in Attila*), Vienna Staatsoper (*Yeletsky in Pique Dame* and *Ford in Falstaff*), Lyric Opera of Chicago (*Renato in Un Ballo in Maschera*), Paris (title role in *Simon Boccanegra*), Teatro alla Scala (*Stankar in Stiffelio*).

Later performances were given at La Scala in Milan, the Vienna State Opera, the Paris Opéra, the Rome Opera, the Verona Arena, and others, mostly in the Italian repertory. In addition to his great success in Italian operas, he often returned to his native repertory, appearing in *Eugene Onegin*, *The Queen of Spades*, *War and Peace*, and *Mazeppa*.



SUNDAY, JUNE 5, 2022

7:00a NATS Voice Science Advisory Committee
(The Director's Room)

7:30a Registration Opens
(Independence Hall)

SUNDAY, JUNE 5, 2022
AGENDA

SUNDAY, JUNE 5, 2022

Medical Session C (8:00am—10:30am) *Concurrent Session***Chair: Lucinda Halstead, MD****The Westin Philadelphia Hotel, Grand Ballroom, Salon I**

- 8:00a Longitudinal Case Study of the Role of Astaxanthin in Treatment of Glottal Dysplasia in a Vocal Professional: Potential Adjuvant or Solo Therapy?
Courtney Tipton, MD, Lucinda Halstead, MD
- 8:10a Gender Differences in Vocal Fold Mass Treatment
Ghiath Alnouri, MD, Robert T. Sataloff, MD, Heather Yeakel, BS, Bailey Balouch, BS
- 8:20a The Influence of Autonomic Arousal on Pharyngeal Air Pressure and Upper Esophageal Sphincter Pressure during Phonation
Jesse D. Hofmeister, PhD, Christopher L. Ulmschneider, DO, Michelle R. Ciucci, PhD, Timothy M. McCulloch, MD
- 8:30a Singing Voice as a Primary Concern in a General Laryngology Tertiary Care Practice
Lauren Lu, BS, Rebecca Pittelko, MS, Lindsay Rigelman, Dale Ekbohm, MD, Semirra Bayan, MD, Diana Orbelo, PhD
- 8:40a Impact of Baseline Voice Evaluations for Undergraduate Singing Students
Andrew Keltz, CCC-SLP, Juliana Codino, PhD, Adam Rubin, MD
- 8:50a Hormone Therapy Following Menopause: Effects on Voice
Alyssa N. Calder, BS, Parastou Azadeh Ranjbar, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- 9:00a Discussion
- 9:10a The Prevalence of Laryngeal Myasthenia Gravis in Professional Voice Users
Ghiath Alnouri, MD, Robert T. Sataloff, MD, Valerie Trollinger, MM
- 9:20a The Use of RSI and pH Probe as Tools to Engage Patients in Dietary and Lifestyle Changes
Josef Schlömicher-Thier, MD
- 9:30a Anatomic and Manometric Abnormalities of the Upper and Lower Esophageal Sphincters in Patients with Reflux Disease: A Retrospective Study
Bailey Balouch, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- 9:40a Discussion
- 10:00a Simultaneous Botox and Augmentation Injection Laryngoplasty In Patients with Adductor Spasmodic Dysphonia (ASD) and Tremor
Peak Woo, MD, Rachel Kominsky, MD
- 10:10a Low Frequency Surface Neuromuscular Electrical Stimulation for Hypofunctional Voice Disorders: A Case Study
Pedro Andrade, PhD, Marek Fric, PhD, Jana Krtickoba, MD, Jakub Drsata, MD, Viktor Chrobok, MD
- 10:20a Discussion

SUNDAY, JUNE 5, 2022

Medical Session D (8:00am—10:30am) Concurrent Session

Chair: Thomas Carroll, MD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 8:00a The Relationship between Vocal Fold Mobility Disorders and Swallowing Disorders
Parastou Azadeh Ranjbar, BS, Bailey Balouch, BS, Christopher Yam, MS, Divya Balchander, BS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- 8:10 a The Prevalence of Swallowing Disorders in Refractory Laryngopharyngeal Reflux Voice Patients – An Incidental Finding or Clinically Significant Correlation?
Parastou Azadeh Ranjbar, BS, Bailey Balouch, BS, Christopher Yam, MS, Ghiath Alnouri, MD, Ahmad Issa Al Omari, MD, Harleen Sethi, DO, Robert T. Sataloff, MD
- 8:20a Benjamin Defect Voice: Children with Posterior Glottic Defects
Linda M. Carroll, PhD, Karen B. Zur, MD
- 8:30a Assessment of Postoperative Pain and Opioid Consumption Following Laryngeal Surgery: A Pilot Study
Parastou Azadeh Ranjbar, BS, Bailey Balouch, BS, Swetha Vontela, MS, Ghiath Alnouri, MD, Robert T. Sataloff, MD
- 8:40a Discussion
- 8:50a Scarred Vocal Folds and Regenerative Medicine
Alexia Mattei, MD, Jérémy Magalon, PhD, Baptiste Bertrand, MD, Cécile Philandrianos, MD, Julie Véran, PhD, Justin Michel, MD, Florence Sabatier, PhD
- 9:00a Injectable Porous and Tough Hydrogels for Vocal Fold Repair
Sareh Taheri, Guangyu Bao, Sepideh Moammadi, Luc Mongeau, PhD
- 9:10a Silk-Hyaluronic Acid Office-Based Vocal Fold Augmentation: A Single Surgeon's Initial Experience
Elliana K. Devore, MD, Christopher Dwyer, MD, Thomas L. Carroll, MD
- 9:20a Discussion
- 9:30a Histologic Evaluation of Silk-Hyaluronic Acid Nine Months after Human Vocal Fold Injection
Elliana K. Devore, MD, Thomas L. Carroll, MD
- 9:40a Short- and Long-term Effects of Injection Augmentation with Autologous Adipose Tissue
Axelle Felicio-Briegel, Kariem Sharaf, MD, Frank Haubner, MD, Matthias Echernach, MD
- 9:50a Discussion
- 10:00a Voice Outcome of Glottoplasty in Transgender Women
Evelyn D'haeseleer, PhD, Clara Leyns, SLP, Tine Papeleu, SLP, Anke Adriaansen, SLP, Kristiane Van Lierde, PhD, Peter Tomassen, MD
- 10:10a Surgical Outcome of Blue Laser for Vascular Lesions of the Vocal Fold
Bailey Balouch, BS, Parastou Azadeh Ranjbar, BS, Ghiath Alnouri, MD, Ahmad Issa Al Omari, MD, Vishnu Martha, MD, Matthew Brennan, DO, Robert T. Sataloff, MD
- 10:20a Discussion

SUNDAY, JUNE 5, 2022

Medical Session C (8:00am—10:30am) *Concurrent Session*

VIRTUAL CONTENT

Exploring the Clinical Characteristics of Superior Laryngeal Nerve Injury

Liyang Liu, MD

The Effect of Vocal Fold Movement Abnormality on Voice Function in Patients with Laryngopharyngeal Reflux without Proliferative Lesions

Xinlin Xu, MD, Xiangpin Li, MD

Analysis of Vocal Fold Vibration Characteristics of Spasmodic Dysphonia by Laryngeal High-Speed Photography Combined with GAW

Xinlin Xu, MD, Xi Wang, MD

Initial Data on the Effects of Laryngeal Vibro-Tactile Stimulation in Laryngeal Dystonia

*Divya Bhaskaran, PhD, Jinseok Oh, MSc, Jiapeng Xu, MSc,
Naveen Elangovan, PhD, Arash Mahnan, PhD, Peter Watson, PhD,
Jurgen Konczak, PhD*

SUNDAY, JUNE 5, 2022

SUNDAY, JUNE 5, 2022
AGENDA

Medical Session D (8:00am—10:30am) Concurrent Session

VIRTUAL CONTENT

Awake Percutaneous Injection Lipo Laryngoplasty for Correction of Glottic Insufficiency
Phaniendrakumar Valluri, MD

Voice Outcomes Following Office-Based Treatment of Vocal Fold Lesions Using the Blue Laser
Anthony Ghanem, MD, Christophe Abi Zeid Daou, MD, Christopher Jabbour, MD, Abdul-Latif Hamdan, PhD

Pitch Discrimination in Speakers with a Voice Disorder
Duy-Duong Nguyen, MD, Catherine Madill, PhD, Antonia Chacon, SLP

.....
10:30a - 11:00a Coffee Break
.....

Panel (11:00am—12:00pm)

Voice Surgery: Interesting Cases and Concepts

Moderator: Robert T. Sataloff, MD
Panelists: Jean Abitbol, MD, Thomas Carroll, MD, Bridget Rose, CCC-SLP, Harvey Tucker, MD

Q&A DISCUSSION

.....
12:00p-1:00p Lunch Break
.....
Symposium Planning Committee Meeting (TBD)
.....
NATS Informal Lucheon (TBD)
.....

SUNDAY, JUNE 5, 2022

Voice Pedagogy C (1:00pm—3:40pm) *Concurrent Session*

Chair: David Meyer, DM

The Westin Philadelphia Hotel, Grand Ballroom, Salon I

- 1:00p** An Actor's Speech Tools in the 21st Century
Zane Daudzina, Mag. Art
- 1:10p** Simulation of Vocal Tract Resonance Tuning Strategies With Respect to Fundamental Frequency and Voice Source Spectral Slope
Christian Herbst, PhD, Brad H. Story, PhD
- 1:20p** Degree of Thyroid Tilt on Same-Pitch Phonation as Determined by Phonation Density - Correlating Systematic Endoscopic Assessment with EGG and Acoustics
Mathias Aaen, PhD, Christoph Noor, PhD, Julian McGlashan, MD, Cathrine Sadolin
- 1:30p** Assessing Attention and Distraction in Solo Voice Lessons
Lauren Guthridge, BM, Kayla Gautereaux, MM, Josh Gilbert, BM, Ian Howell, DMA
- 1:40p** Perceived Vocal Fatigue and Possible Predictors in Collegiate Vocalists
Zachary Devin, MM
- 1:50p** Discussion
- 2:00p** Voice Building in Collegiate Studios
Kristen Janell Sullivan, DMA
- 2:10p** Semi-Occluded Vocal Tract Exercises: Understanding the Prevalence and Purpose of Use within the Collegiate Voice Instructor Population
Kristen Janell Sullivan, DMA
- 2:20p** Global Inventory and Similarity Rating of Singing Voice Assessment Terms Used at English Speaking Academic Institutions
Josipa Bainac Hausknecht, MM, Kristen M. Murdaugh, MM, Elke Nagl, DMA, Christian T. Herbst, PhD
- 2:30p** Interrupt Cranial Feedback Loops: An Effective Strategy for Hyperfunctional Singers
Mark Baxter
- 2:40p** Classroom Music Teachers' Beliefs and Practical Experiences about Warm-Ups in the Classroom Music Lessons and in the Children's Choir Rehearsals
Andrea Asztalos, PhD
- 2:50p** A Focus on the Category of "Singer Type" Within the Demographics of a SVS Practice in a Large Metropolitan City
Sharon Radionoff
- 3:00p** Discussion
- 3:10p** Closing Remarks

SUNDAY, JUNE 5, 2022

Voice Pedagogy D (1:00pm—3:30pm) Concurrent Session

Chair: David Howard, PhD

The Westin Philadelphia Hotel, Grand Ballroom, Salon II

- 1:00p Register Differences in Vocal Fold Oscillations across Three Octaves in a Female Professional Singer
Hugo Lehoux, MSc, Lisa Popeil, MFA, Jan Švec, PhD
- 1:10p Acoustic, Electroglottographic and Aerodynamic Analysis of Classical and Non-Classical Mexican Tenor and Soprano Singers
Carlos Manzano, MD, Maria de la Luz Arenas Sordo, MD, Rafael Alarcón Montero, MD, Marco Guzman, PhD, Antonio Ysunza, MD, Miguel Ángel Villasis Keever, MD, Wendy Castro Camacho, MD
- 1:20p Vibrato Variability as a Diagnostic, Pedagogical Tool: Timbre Perception of Vibrato Health, Production, and Expression
Theodora Nestorova, MM, Lindsey Reymore, PhD, John MacMaster, BA, Gary Scavone, PhD, Isabelle Cossette, PhD
- 1:30p Does Contact Quotient (Cqdegg) Rise in The Classical Cisgender Female Upper Range? An Argument for The Utility of Measuring per Glottal Cycle Contact Duration
Ian Howell, DMA, Xiao Shi, BS, Loren Graziano, MM
- 1:40p Convergences in the Articulatory Settings of Bulgarian, Russian, and English: Bulgarian Lyric Diction as an Accessible Gateway to Singing in Cyrillic
Theodora Nestorova, MM, Jamie Dahman, DMA, McMaster BA, Gary Scavone, PhD, Isabelle Cossette, PhD
- 1:50p Discussion
- 2:00p Assessing Attention and Distraction in Solo Voice Lessons
Lauren Guthridge, BM, Kayla Gautereaus, Josh Gilbert BM, Ian Howell, DMA
- 2:10p What's in a Name? Everything: The Case for Replacing the Term Contemporary Commercial Music with Afro Canto
Mark Baxter
- 2:20p Pedagogical Strategies to Teach Vocal Runs for CCM Singers
Maira dos Santos Jaber, MM
- 2:30p Formant/Harmonic Coupling Patterns in Contemporary Belt as Observed in "And I Am Telling You" from Dreamgirls as sung by Amber Riley
Emily Castleton, MM, David Meyer, DM
- 2:40p Strategies to Facilitate Effective Learning of Vocal Music
Joseph Evans, MS, Monica McHenry, PhD
- 2:50p Professional Singers Teaching Commercial Styles
Edrie Means Weekly, MM, Marquita Lister, MM, Kathleen Mary Bell, DMA
- 3:00p Phonatory Onset and Its Effect on the Spectral Envelope
Kourtney R. Austin, PhD, Sajid Surve, DO
- 3:10p Discussion
- 3:20p Closing Remarks

SUNDAY, JUNE 5, 2022

VIRTUAL CONTENT

Alone, Together: the Dis/embodyed Soprano Voice in Oxbridge Chapel Choirs
Jessica Edgar, MPhil

Transitioning Legit Sopranos to a Contemporary Vocal Set Up: Technique Versus Identity
Christie Valeriano, MM

Here, My Voice: Supporting Confidence and Creative Expression in Hard-of-Hearing Persons Through Individual Voice Lessons
Juri Hwang, MFA, DJ Johnson, MFA, Michelle Patzakis, DMA, Danielle Barbera, MA

Physiology of Exercise and Vocal Pedagogy: Calisthenic Reflections
Ariel Coelho

3:40p Adjourn



SCAN ME

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 Seth Dailey, MD
 Edward J Damrose, MD, FACS
 Rima DeFatta, MD
 Philippe H Dejonckere, MD, PhD
 Karuna Dewan, MD
 Gregory Dion, MD
 Michael Dollinger, PhD
 Matthias Echternach, MD
 Claudia Eckley, MD
 Robert Eller, MD, USAF
 Kate A Emerich, MS,
 CCC-SLP
 Molly Erickson, PhD, CCC-SLP
 Gaetano Fava, MS, CCC-SLP
 Deborah Feijó, MSc
 Charles N Ford, MD, FACS
 Stephanie Fort, MM, MS, CCC-SLP
 Adrian Fourcin, PhD
 Isabel Garcia-Lopez, MD
 C Gaelyn Garrett, MD
 Jacqueline Gartner-Schmidt, PhD
 Shirley Gherson, PhD, CCC-SLP
 Dhanshree Gunjawate, PhD
 Marco Guzman, PhD
 Lucinda Halstead, MD
 Abdul-latif Hamdan, MD, FACS
 Edie Hapner, PhD, CCC-SLP
 Christopher Hartnick, MD
 Mary Hawkshaw, RN, BSN, CORLN
 Yolanda Heman-Ackah, MD
 Christian T Herbst, PhD
 Markus Hess, MD
 Shigeru Hirano, MD, PhD
 Norman Hogikyan, MD
 Harry Hollien, PhD
 David Howard, PhD
 Amanda Hu, MD
 Krzysztof Izdebski, FK, MA, PhD,
 CCC-SLP, FASHA
 Nausheen Jamal, MD
 Marie Jette, PhD, CCC-SLP
 Jack J. Jiang, MD, PhD
 Michael Johns III, MD
 Aaron Johnson, PhD, MM,
 CCC-SLP
 Jennifer Johnson, MS, CCC-SLP
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 Joel C Kahane, PhD
 Philip Owen Katz, MD, FACP, FAGC
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 Suzanne King, PhD, CCC-SLP
 Lisa Kopf, PhD, CCC-SLP
 Gwen S Korovin, MD
 Karen M Kost, MD, FRCS
 Filipa Lä, PhD
 Anne-Maria Laukkanen, PhD
 Wendy LeBorgne, PhD,
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 Dan Lu, PhD
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 Matthew Schloneger, PhD
 Sarah Marx Schneider, MS,
 CCC-SLP
 Brenda Smith, DMA
 Ahmed M.S. Soliman, MD
 Nancy Pearl Solomon, PhD
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 Johan Sundberg, PhD
 Jan Švec, PhD, PhD
 Mausumi Syamal, MD
 Dionysios Taafiadis, PhD
 Kristine Tanner, PhD,
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 Sten Ternström, PhD
 Susan L Thibeault, PhD, CCC-SLP
 Ingo Titze, MSEE, PhD
 Harvey M Tucker, MD
 Eva van Leer, PhD
 Kristiane van Lierde, PhD
 Miriam Ruth van Mersbergen,
 PhD, CCC-SLP
 Lisa Vinney, PhD, CCC-SLP
 Ben C Watson, PhD, CCC-SLP
 Gayle Woodson, MD
 Wen Xu, MD, PhD
 Edwin Yiu, PhD
 Peiyun Zhuang, MD
 Karen Zur, MD

SYMPOSIUM PRESENTATION COACHING *LIVE or ZOOM*

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COACHES ARE AVAILABLE FOR PRE-SYMPOSIUM ZOOM COACHINGS

Poster Presentation Coaching, Accent Reduction Coaching,

WEDNESDAY, JUNE 1, 2022 4:00pm—6:00pm

WEDNESDAY, JUNE 1, 2022 6:00pm—7:00pm

Poster Presentation Coaching, Oral Presentation,

Accent Reduction Coaching

THURSDAY, JUNE 2, 2022 8:00am—11:00am

THURSDAY, JUNE 2, 2022 2:00pm—6:00pm

Oral Presentation, Accent Reduction Coaching, Alexander Technique

FRIDAY, JUNE 3, 2022 9:00am—11:00am

Oral Presentation, Accent Reduction Coaching, Alexander Technique

SATURDAY, JUNE 4, 2022 9:00am—11:00am

SATURDAY, JUNE 4, 2022 1:00pm—5:00pm

To schedule coaching, contact Maria Russo at office@voicefoundation.org

Symposium Presentation Coaches

Janet Madelle Feindel, MFA, Awarded lifelong honorary membership to Pacific Voice and Speech Foundation "for exemplary contributions to care and pedagogy of the artistic voice". Alexander Technique Teacher (AmSAT, ATC/CanSTAT, ATI), certified Fitzmaurice Voice & Designated Linklater Voice Teacher, Dialect Specialist; author: *The Thought Propels the Sound* (Plural Publishing); Professor Emeritus in Voice/Alexander, School of Drama, Carnegie Mellon. Currently teaches in Montreal. **Available for ZOOM coachings.**

Diane Gaary, MFA, BA, is an Alexander Teacher, Voice and Speech Trainer, and Feldenkrais Practitioner™. She teaches at Temple University, Arcadia University, and Westminster Choir College, and maintains private studios in Philadelphia and New York City. **Available for ZOOM coachings.**

Donna Snow, MFA, Associate Professor and Head of the Undergraduate Acting Program at Temple University Theater Department, is a Master Teacher in Fitzmaurice Voice Technique. **Available for ZOOM coachings.**

Nancy Pearl Solomon, PhD, CCC-SLP, Research Speech-Language Pathologist Walter Reed National Military Medical Center, and Professor, Department of Surgery Uniformed Services University of the Health Sciences, Bethesda, MD

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Associate Membership

\$50 annual contribution (domestic)
\$75 annual contribution (international)

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- 10% discount on registration to the Foundation's Annual Symposium: Care of the Professional Voice, the meeting for voice experts from all over the world
- One-year subscription to the Voice Foundation's Newsletter. Keep current with the latest developments in voice science, care and training through informative articles on health tips, voice care and much more
- 10% discount on purchases from the Foundation's catalogue of videotapes, DVDs and transcripts
- Advance Notice of all Foundation events
- Certificate of Membership

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- Advance Notice of all Foundation events
- Certificate of Membership

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Benefits

- All Associate level benefits, plus...
- A 20% discount on Symposium registration fees
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- 20% Symposium discount for 2 attendees

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Benefits

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Benefits

- All Professional level benefits for life

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WEDNESDAY, THURSDAY, FRIDAY
 AGENDA

| Wednesday | Time | Thursday | Time | Friday |
|-----------|------------------------------|----------|----------|--------------------------------|
| 1:00 PM | Registration | | 6:45 AM | Advisory Board |
| 2:00 PM | Welcome | 7:00 AM | 7:00 AM | |
| 2:15 PM | Overview | 7:20 AM | 7:30 AM | Registration |
| 2:30 PM | <i>RT Sataloff</i> | 7:25 AM | | |
| 2:45 PM | Anat & Phys. Of | 7:30 AM | 8:00 AM | Special Session |
| 3:00 PM | Production & | 7:45 AM | | Voice and Culture |
| 3:15 PM | Perception of Voice | 8:00 AM | | |
| 3:30 PM | An Overview | 8:12 AM | | <i>Nancy Solomon, Mod.</i> |
| 3:45 PM | <i>S. Patel, J. Sundberg</i> | 8:27 AM | | <i>Hamdan, Laukka,</i> |
| 4:00 PM | Coffee Break | 8:42 AM | | <i>Behlau, Morton</i> |
| 4:15 PM | <i>Production...cont</i> | 8:57 AM | | Coffee Break |
| 4:30 PM | <i>R. Scherer</i> | 9:12 AM | 9:30 AM | |
| 4:50 PM | | 9:30 AM | | |
| 5:00 PM | <i>Johan Sundberg</i> | 9:45 AM | | |
| 5:15 PM | | 10:00 AM | | |
| 5:30 PM | <i>David Eddins</i> | 10:15 AM | | |
| 5:45 PM | | 10:30 AM | | |
| 6:00 PM | <i>Linda Carroll</i> | 10:45 AM | 11:00 AM | <i>Panel Discussion</i> |
| 6:15 PM | | 11:00 AM | | |
| 6:30 PM | <i>Discussion</i> | 11:15 AM | | |
| 6:45 PM | | 11:30 AM | | |
| 7:00 PM | <i>Adjorn</i> | 11:45 AM | 11:50 AM | |
| | | 12:00 PM | 12:00 PM | Lunch |
| | | 12:15 PM | | TVF Board of Directors |
| | | 12:30 PM | | Young Laryngologists |
| | | 12:45 PM | | |
| | | 1:00 PM | 1:30 PM | Workshops |
| | | 1:15 PM | | Session I |
| | | 1:30 PM | | |
| | | 1:45 PM | 2:25 PM | |
| | | 2:00 PM | 2:30 PM | Workshops |
| | | 2:15 PM | | Session II |
| | | 2:30 PM | | |
| | | 2:45 PM | 3:25 PM | |
| | | 3:00 PM | 3:30 PM | Workshops |
| | | 3:20 PM | | Session III |
| | | 3:35 PM | | |
| | | 3:50 PM | 4:25 PM | |
| | | 4:00 PM | 4:30 PM | Workshops |
| | | 4:15 PM | | Session IV |
| | | 4:30 PM | | |
| | | 4:45 PM | | |
| | | 5:00 PM | 5:25 PM | |
| | | 5:15 PM | | |
| | | 5:30 PM | | |
| | | 5:45 PM | | |
| | | 6:00 PM | 6:00 PM | TICKETS REQUIRED |
| | | 6:15 PM | | Gala Cocktail Reception |
| | | 6:30 PM | | Dinner |
| | | 7:00 PM | | |
| | | 7:30 PM | | Voices of Summer |
| | | | | Gala (Black Tie) |
| | | | | |
| | | 8:30 PM | | VERA AWARD |
| | | | | |
| | | | | Dancing |
| | | | | |
| | | 11:30 PM | 11:30 PM | |

| Time | Saturday | | Time | Sunday | |
|----------|--|----------------------------|----------|---|--------------------|
| 7:00 AM | Meetings | | 7:00 AM | NATS Voice Science Advisory Committee | |
| 7:20 AM | New Investigator Research Forum | | 7:15 AM | | |
| 7:35 AM | 7:00am - 7:50am | | 7:30 AM | Registration | |
| 7:30 AM | Registration | | 7:45 AM | | |
| 8:00 AM | Medical A | Medical B | 8:00 AM | Medical C | Medical D |
| | | | 8:15 AM | | |
| | | | 8:30 AM | Discussion | Discussion |
| | | | 8:50 AM | | |
| 9:50 AM | Discussion | | | Discussion | Discussion |
| | Coffee Break | | 10:30 AM | Coffee Break | |
| 10:10 AM | PANEL | | 11:00 AM | PANEL | |
| | Gender Affirming Voice Care: Choices and Challenges | | | Voice Surgery: Interesting Cases and Concepts | |
| 11:10 AM | Awards | | | <i>RT Sataloff, Mod. Abitbol, Carroll, Rose, Tucker</i> | |
| | G Paul Moore Lecture | | | | |
| | <i>Michael M. Johns III, MD</i> | | | | |
| | My Journey in Aging Voice | | | | |
| 12:00 PM | LUNCH | | 12:00 PM | LUNCH | |
| | Local Chapters Meeting | | | Symposium Planning Committee | |
| | Voice Lab Reps | | | | |
| 1:00 PM | Speech Path A | Speech Path B | 1:00 PM | Vocal Ped C | Vocal Ped D |
| | | | 1:50 PM | | |
| 1:50 PM | Discussion | Discussion | | Discussion | Discussion |
| 3:00 PM | Coffee Break | | | | |
| 3:30 PM | Speech Path A Cont. | Speech Path B Cont. | 3:10 PM | Discussion | Discussion |
| | | | 3:20 PM | Closing Remarks RT Sataloff | |
| 5:00 PM | | | 3:30 PM | Meeting Adjourned | |
| 5:30 PM | Dinner | | | | |
| 6:10 PM | Voice Pedagogy A | Voice Pedagogy B | | | |
| | | | | | |
| 7:15 PM | MASTER CLASS | | | | |
| | <i>Vladimir Chernov</i> | | | | |
| 8:30 PM | <i>Reception</i> | | | | |
| | Sing-Along with Grant | | | | |

Times subject to change

**SATURDAY, SUNDAY
AGENDA**

Meetings

Thursday, June 2

Quintana Award Committee
7:20a - 8:10a
The Board Room

Journal of Voice Editorial Board
12:00 - 1:00p
The Georgian Room

Presentation Outreach Committee
12:00 - 1:00p
The Board Room

Friday, June 3

TVF Advisory Board
6:45a - 8:00a
The Directors Room

TVF Board of Directors
12:15p - 1:30p
The Board Room

Young Laryngologists
12:00p - 1:45p
The Directors Room

Saturday, June 4

New Investigator Research Forum
7:00a - 7:50a
The Board Room

Voice Laboratory Representatives
12:00p - 1:00p
The Georgian Room

Voice Foundation Local Chapters
12:00p - 1:00p
The Directors Room

Sunday, June 5

NATS Voice Science Advisory
Committee
7:00a-8:00a
The Director's Room

Symposium Planning Committee
12:00pm -1:00pm
TBD

NATS Informal Luncheon (TBD)

Chapter Leaders

Alabama

Elizabeth Benson
Valerie Accetta
Luvada A. Harrison
Janice Sullivan Stoll
Brandon Marcus
Mollie A. Adams

Atlanta

Brian Petty
Eva van Leer
Marina Gilman
Adam Klein

Chicago

Jonelyn Langenstein
Nathan Waller

Greater Milwaukee

Jonathan Bock
Sharon Hanson
Linda Dinzans
Kathy Wangerin
Joel H. Blumin
Caroline Ziegler

Houston Area

Sharon Radionoff - Redevelopment

New England

Thomas L. Carroll
Doug Roth
Jared Trudeau

North Texas

Laura Toles
Janis Deane
Kimberly Chachere-Coker
Amy Hamilton

North Carolina

Amy Morris
Lindsay Madden
Kathryn Waugh
S. Carter Wright, Jr.

Seattle-Northwest

Mara Kapsner-Smith
Lisa Zughni
Emily Wilson
Al Merati, MD
Martin Nevdahl

South California

Lauren Timmons Sund
Anca Barbu
Michele Patzakis
Robert Dowhy
Hillary Enclade
Paige Plotkin
Karen Kochis-Jennings
Caitlin Bertelsen, MD

Western Wisconsin

Rima DeFatta, MD
Abby Leigh Hemmerich
Diana Cataldi
Laura Hurd

Brazil

Mara Behlau
Claudia Eckley
Deborah Feijó
Glaucya Madazio
Beth Amin

China

Jack Jiang
Wen Xu
Peiyun Zhuang
Jun Shao

India

Phaniendr Kumar Valluri
S.Ramachandrareddy
A.R.N.Tagore
A. Meenakumari

Japan

Shigeru Hirano
Hirotaka Hara
Koichiro Saito
Yoichiro Sugiyama
Mami Kaneko
Makoto Ogawa

Lebanon

Abdul-latif Hamdan
Aalin Nabil Sabri
Maher Kasti
Darine Chahoud

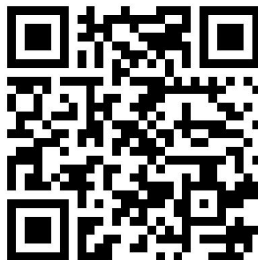
Mexico

Carlos Manzano
Erika Dipp
Fermin M. Zubiaur

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For more information about
the Chapters, including contact
information

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The Fellowship is open to members of the
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excellence in their profession as singing teachers, and
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Deadline: November 15

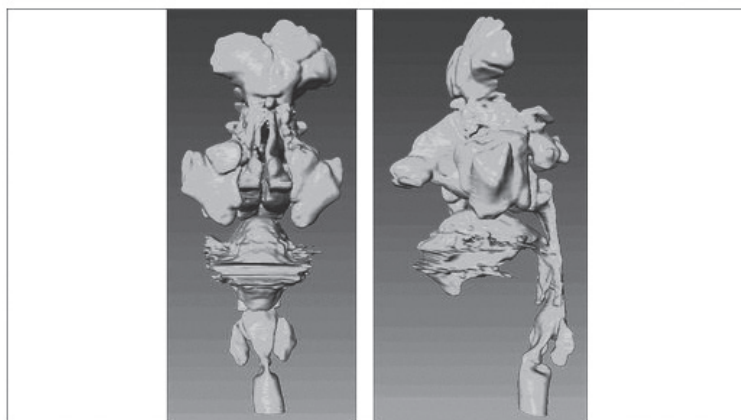
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**52nd Annual Symposium:
Care of the Professional Voice 2023
Wednesday, May 31 - Sunday, June 4, 2023**

CALL FOR PAPERS, POSTER AND WORKSHOP PROPOSALS

Deadline: October 31, 2022

Abstracts must represent **original work that has not been published elsewhere**. Completed manuscripts must be submitted by the day of presentation at the Symposium and must be submitted for consideration for publication in *Journal of Voice*, unless prior arrangements have been made. There is also a New Investigators Research Forum for works in progress.

Voice professionals are invited to submit a proposal for a **workshop** to be considered for presentation at The Voice Foundation's 2023 Symposium. As you prepare your submission, please keep in mind that the focus of the workshop should be on the "live" demonstration of your techniques with singers, actors, patients, or audience members. The workshop duration is 55 minutes, and we request that you plan for the majority of the session to be spent in hands-on interaction with the participants. Be advised that workshops should be designed to be presented without the use of audiovisual aids such as overhead projectors, slide projectors, or videotapes.

VAN L. LAWRENCE FELLOWSHIP

Deadline: November 15, 2022

The Fellowship is open to members of the National Association of Teachers of Singing who are actively engaged in teaching, have demonstrated excellence in their profession as singing teachers, and have shown interest in and knowledge of voice science.

For more information please contact journal@voicefoundation.org

QUINTANA AWARD

Awarded every year, the Quintana Award is given in recognition of exceptional contributions to the understanding or treatment of the voice by application of engineering principles or techniques.

Appropriately-documented nominations for the Quintana Award are welcomed.



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The Voice Foundation's 51st Annual Symposium:
Care of the Professional Voice

June 1 — JUNE 5, 2022
The Westin Philadelphia
Philadelphia, Pennsylvania, USA

The Voice Foundation
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Philadelphia, PA 19107 USA
(215) 735-7999
Fax (215) 762-5572

www.voicefoundation.org office@voicefoundation.org

Symposium registration is available online at:
<http://voicefoundation.org/annual-symposium/register/>

Registration completed before April 24, 2022 qualifies for a discounted rate.

Please see page 38 of the 2022 Symposium program for registration pricing and further information.

Hotel reservations can be made online at: <https://bit.ly/3wtwwBI>
Please book by May 1, 2022 for the group rate.



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