Leaders in Voice Research, Medicine, Science & Education

June 1 – 5, 2022

The Westin Hotel
99 S. 17th Street
Philadelphia, PA 19103

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.

voicefoundation.org
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.

DISCLOSURE INFORMATION
In accordance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity (planners and speakers/authors/discussants/moderators) has disclosed all financial relationships with any commercial interest (termed by the ACCME as “ineligible companies”, defined below) held in the last 24 months (see below for definitions). Please note that first authors were required to collect and submit disclosure information on behalf of all other authors/contributors, if applicable.

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

ASHA CONTINUING EDUCATION UNITS

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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. Program Objectives for Speech Language Pathologists Click Here

This course is offered for up to 3.7 (Various levels, Professional Area)

This course is available for partial ASHA CEUs. CEUs are awarded only for sessions which a participant attends and completes attendance requirements.

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.
Welcome to the 51st Annual Symposium
Care of the Professional Voice

Program Committees

**Scientific Program**
- Ronald C. Scherer, PhD
- Nancy P. Solomon, PhD
- Johan Sundberg, PhD

**Medical Program**
- Michael S. Benninger, MD
- Michael M. Johns, MD
- Robert T. Sataloff, MD

**Speech-Language Pathology**
- Mary Erickson, PhD
- Thomas Murry, PhD
- Robert T. Sataloff, MD

**Voice Pedagogy**
- David Meyer, DM
- Ken Bozeman, MM
- Robert T. Sataloff, MD

**Panels**
- Robert T. Sataloff, MD
- Young Laryngologists

**Award Committees**

**New Investigators Research Forum**
- Chair: Rana Patel, PhD
- Mara Behlau, PhD
- Christian Herbst, PhD
- Shigeru Hirano, MD
- David Meyer, DM

**Quintana Voice Research Award**
- Ronald C. Scherer, Chair, PhD
- Mara Behlau, PhD
- Dimitar Deliyski, PhD
- Jack Jiang, PhD
- Luc Mongeau, PhD
- Seiji Niimi, MD
- Johan Sundberg, PhD
- Jan Švec, PhD

**Hamdan Best Student Award**
- Shaheen Awan, Chair, PhD
- David Eddins, PhD
- Jeannette Lovetri, Lyndsay Leigh Maddon, MD
- Deanna McBroom, MM
- Stephanie Misono, MD
- Adam Rubin, MD

**S. Ataloff Award for Young Investigators**
- Norman Hogikyan, Chair, MD
- Dale Ekstrom, PhD
- Eric J. Hunter, PhD
- Denis LaFreniere, MD
- David E. Rosow, MD
- Kristiana van Lierde, PhD

**Hamdan Int. Presentation Award**
- Rahul Shrivastav, Chair, PhD
- Jonathan Bock, MD
- Aaron Johnson, PhD
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,
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Log-in to Virtual Content
http://voicefoundation.org/symposium2022
**WEDNESDAY JUNE 1, 2022**

1:00p  Registration Opens  *(Independence Hall)*

200p  Welcome
The Westin Philadelphia Hotel, Grand Ballroom, Salon II  
*R. T. Sataloff, MD, Chairman, The Voice Foundation*

2:15p  Anatomy and Physiology of Phonation: An Overview  
*R. 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.)  
*R. S. Scherer, PhD, Johan Sundberg, PhD, David Eddins, PhD, Linda Carroll, PhD*

6:30p  Question and Answer
7:00p  Adjourn

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**THURSDAY, JUNE 2, 2022**

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

**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*
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.

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
  Víctor 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

Scan Me
To see the past winners and for more information about the Quintana Award
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 neurolaryngology 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 Videoendoscopy – 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 Videoendoscopy
   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 Knesburges, 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 Videoendoscopy – 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 Videoendoscopy 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

3:45p 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
**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  
Zoe 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 Cadiz, 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, Evelien 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. Kapson-Smith, MS, Manuel E. Diaz-Cadiz, 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 Koberlein, 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,  
Evelien 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
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

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

Moved to Virtual

Clinical Cutoff Scores for an Acoustic Index of Vocal Hyperfunction that Combines Relative Fundamental Frequency and Cepstral Peak Prominence
Ahmed Nagy, MD

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

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

VoceVistaVideo Pro in the Vocal Pedagogy Classroom
Richard Davis, DM

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

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

Correlation between Voice Quality and Swallow Function in Patients with Parkinson Disorder
Martha Peña Sanchez, MA, Fernando Delprado Aguirre, MS

Training of Auditory-Perceptual Evaluation of Voice in Colombian Speech Therapists
Martha Peña Sanchez, SLP, Fernando Delprado Aguirre, SLP

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

Correlation of Physical Onset Type to Speed of Per Period Timbral Evolution
Mark Tempesta, MM, kayla Gautereaux, MM, Ian Howell, DMA

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

Glottal Attack and Offset Time Comparison between Patients with Adductor Spasmodic Dysphonia and a Patient with Vocal Tremor in High-Speed Videendoscopy during Connected Speech
Sarah Zenas, BS, Dimitar Deliyski, PhD, Stephanie Zacharias, PhD, Maryam Naghibolhosseini, PhD

Procedural Fidelity to the CAPE-V Among Voice Clinicians: A Comparative Analysis
Kathleen F. Nagle, PhD

Virtual Vocal Health Education for Preservice Teachers: A Pilot Project
Susan Brehm, PhD, Lydia Pion, MM, Renee Gottliebson, PhD
### Virtual Posters

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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

Happy Talk: How Smiling Affects Laryngeal Movement and Pitch
Gillian de Boer, PhD, Donald Derrick, PhD, Murray Schellenberg, PhD, Bryan Gick, PhD

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, Eliaboth Cordell, PhD, Kelly A. Weir, PhD

Comparison of Vocal Fatigue between School Teachers and College Faculty in South India
Ceana Mariya Paul, MSc, K. Yeshoda, PhD

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

Identification of Vocal Fatigue in Teachers through Biomechanical Voice Analysis
Sandra Corvo, Roberto Fernandez-Baillo, PhD

Objective Assessment of Pushing Exercises on Glottic Tension and Strength
Sandra Corvo, Roberto Fernandez-Baillo, PhD

5:30p Dinner (on your own)
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
Special Session B: Measurement (6:30pm - 8:20pm)
Concurrent Session

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 Daşdöğen, 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
### FRIDAY, JUNE 3, 2022

#### Registration and Breakfast

- **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-12:00p  
DISCUSSION  
**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

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### 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:
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
Felicia Francois, SLP 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
VoceVista 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
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 Hearns, MM

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

Care of the Professional Voice 2022
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
M. Eugenia Castro SLP, Hillary Enclade SLP, Benjamin Hall, LMFT

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

The Power of Strategic Feedback
Lorraine Manifold, MA
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

SLP/Vocal Ped

Developing Clinically Relevant Scales of Breathy and Rough Voice Quality
David A. Eddins, Supraja Anand, Arianna Lang, Rahul Shrivastav

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Elsevier

JOURNAL OF VOICE is included in The Voice Foundation Professional Membership.
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
William Bonner, Brazilian Newsman, Globo TV

Tickets available online or at the registration desk.
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)

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
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 Awarness 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.

Care of the Professional Voice 2022
**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 Atará-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
**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 Mohammad, 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 Noureai, 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 Mangunkusmo 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 Award
14th Annual Sataloff Young Investigators Award
22nd Annual David W. Brewer Award for Best Poster
16th Annual Journal of Voice Best Paper Awards
11th Annual Hamdan International Presentation Award
8th Annual Best Student Presentation Award
4th Spasmodic Dysphonia Research Award
4th Sundberg-Titze Award

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.
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
**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 Leys, 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, Matias 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**

**Agenda**

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

**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, SLP, Debra Jean Pyland, PhD*

1:40p  Effectiveness of Glottal Source Features in the Discrimination of Speech of Healthy Talkers from Speech of Parkinsonian 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 Claeyts, 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. Duffy, 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 Nunjundeswaren, 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 Jitwiriyanont, PhD*

2:50p  Discussion

3:00p  Break
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 Laryngoresonders 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

VIRTUAL CONTENT

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

Economic Costs Associated with Voice Disorders among Occupational Voice Users: A Systematic Review
Harold Zamir Taborda Osorio, MSc, Maria Jesús Terradillos García, PhD, Martha Isabel 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, Tulsi 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

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

**Session Chair:** Kathy Kessler Price, PhD  
**The Westin Philadelphia Hotel, Grand Ballroom, Salon I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenters/Authors</th>
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<tbody>
<tr>
<td>6:10p</td>
<td>Effects of a Choral Warm-up With and Without Singer Gestures on Mature Singers</td>
<td>Melissa L. Grady, PhD, Sheri Cook-Cunningham, PhD</td>
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<tr>
<td>6:20p</td>
<td>Choral Singing and Hearing in Masks: Acoustical and Perceptual Measurements of</td>
<td>Kathy Kessler Price, PhD, Felicia Betts, BM, Minh-Vy Duong, BM</td>
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<td></td>
<td>Choral Spacing Distance and Mask Type in Light of Singer/Listener Preferences</td>
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<td>6:30p</td>
<td>Voice Quality of Choir Singers and the Effect of a Performance on the Voice</td>
<td>Kristiane Van Lierde, PhD, Evelien d’Haeseleer, PhD, Imke Kissel, MSc, Clara Leyns, MSc, Tine Papeleu, MSc, Julie Daelman, MSc, Iris Meerschman, PhD</td>
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<tr>
<td>6:40p</td>
<td>Vocal Tracts in Virtual Reality – A Preliminary Report</td>
<td>Mohammad F. Obeid, PhD, David Meyer, DM, David M. Howard, PhD, Dan Wilson</td>
</tr>
<tr>
<td>6:50p</td>
<td>Singing in Different Performance Spaces: Room Acoustic Effects on Vibrato and Pitch Inaccuracy</td>
<td>Joshua Glasner, PhD, Pasquale Bottalico, PhD, Natalia Łastowiecka, Silvia Murgia, MA, Yvonne Gonzales Redman, BM</td>
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<tr>
<td>7:00p-7:10p</td>
<td>Discussion</td>
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### Voice Pedagogy B (6:00pm-7:10pm) Concurrent Session

**Chair:** Jeanne Goffi-Fynn, EdD  
**The Westin Philadelphia Hotel, Grand Ballroom, Salon II**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenters/Authors</th>
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<tbody>
<tr>
<td>6:20 PM</td>
<td>Effects of Singing Lessons on Mental and Physical Health During Social Distancing</td>
<td>Maira dos Santos Jaber, MM</td>
</tr>
<tr>
<td>6:30 PM</td>
<td>The Effect of Formant-Harmonic Crossovers on Vowel Perception</td>
<td>May Pik Yu Chan, BA, Jianjing Kuang, PhD</td>
</tr>
</tbody>
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SUNDAY, JUNE 5, 2022

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

7:30a Registration Opens (Independence Hall)

Care of the Professional Voice 2022
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 Ekbom, 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

8:10a 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 Echternach, MD

9:50a Discussion

10:00a Voice Outcome of Glottoplasty in Transgender Women
Evelyn D’haeseleer, PhD, Clara Leys, 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
Exploring the Clinical Characteristics of Superior Laryngeal Nerve Injury
Liying 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

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**SUNDAY, JUNE 5, 2022**

**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
   Josipia 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

VIRTUAL CONTENT page 36
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 (Cqdeg) 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
  Maíra 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

Care of the Professional Voice 2022
VIRTUAL CONTENT

**Alone, Together: the Dis/embodied 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

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**WEDNESDAY, JUNE 1, 2022 6:00pm—7:00pm**

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**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

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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.

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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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**Benefits**  
• 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

**Corporate Membership**  
$2,500 minimum annual contribution (domestic and international)  

**Benefits**  
• All Professional level benefits, plus...  
• 25% discount on exhibition display fees at the Foundation’s Annual Symposium: Care of the Professional Voice, the meeting for voice experts from all over the world

**Life Membership**  
$5,000 one-time contribution, individuals only  

**Benefits**  
• All Professional level benefits for life

*Sign up at the Registration Desk*

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**Scan Me**

For more information about Membership and to sign up online  
(Use the camera in your phone)
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Times subject to change
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 Dindzans
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 Nevdal

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
(Use the camera in your phone)
THE VOICE FOUNDATION

thanks

Elsevier

for sponsoring the
Sataloff Young Investigator’s Award

at the 51st Anniversary Symposium
Care of the Professional Voice

VAN L. LAWRENCE FELLOWSHIP

Congratulations to the 2022 winner, Ian Howell

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.

Deadline: November 15

More Information:
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.
Past Tutorials, Lectures, StrobeOscars, Master Classes

Visit our Educational Media Online

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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

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/3wtwwBl  
Please book by May 1, 2022 for the group rate.

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