Leaders in Voice Research, Medicine, Science & Education

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
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 all other authors/contributors, if applicable.

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**Commercial Promotion Acknowledgement**
The Voice Foundation wishes to recognize and thank the following companies for their commercial promotion towards this educational activity.
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.

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

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.

LEARNING 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. Unique Session Learning Objectives
The 51st Anniversary conference of The Voice Foundation consists of lectures, discussions, and workshops which present physicians, researchers, speech-language pathologists, and voice trainers with cutting edge information related to evaluation and treatment of the professional voice and its disorders, including recent technological, scientific, and clinical advances in the study of the human voice.

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

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Johan Sundberg, PhD

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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

Young Laryngologists
Thomas L. Carroll, chair, MD

Award Committees

New Investigators Research Forum
Mary (Molly) Erickson, Chair, PhD
Incoming Chair: Rita 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
Gisele Oliveira Award
Shahseen Awan, Chair, PhD
David Eddins, PhD, Jeannette Lovetri,
Lyndsay Leigh Madden, MD,
Deanna McBroom, MM, Stephanie Misono, MD,
Adam Rubin, MD

S. Sataloff Award for Young Investigators
Norman Hogikyan, Chair, MD
Dale Ekborn, PhD, Eric J. Hunter, PhD
Denis LaFreiierre, MD, David E. Rosow, MD
Kristiane van Lierde, PhD

Hamdan Int. Presentation Award
Rahul Shrivastav, Chair, PhD
Jonathan Bock, MD,
Aaron Johnson, PhD

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NATS/TVF Chat
Kari Ragan, DMA
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Welcome to the 51st Annual Symposium
Care of the Professional Voice 2022
Table of Contents

Committees 2

WEDNESDAY, June 1 4
THURSDAY, June 2 4-13
Donors, Exhibitors 14
FRIDAY, June 3 14-16
Award QR Codes 17
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
52nd Annual Symposium 46

http://voicefoundation.org/symposium2022

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

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

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

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*
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.

Scan Me
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
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
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, 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 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

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
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 Thijis, 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 Díaz 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. Díaz-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  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 Käberlein, MA, Jonas Kirsch, MSc, Laila Herrmann, MD, Bogac Tur, MSc, Michael Döllinger, PhD, Stefan Kienersburges, 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
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 Videendoscopy during Connected Speech
Sarah Zenas, BS, Dimitar Deliyski, 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

Care of the Professional Voice 2022
**Thursday, June 2, 2022**

**Poster Session 4:00pm - 5:30pm**

<table>
<thead>
<tr>
<th>Paper Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P55</td>
<td>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</td>
<td>Laura Pritchard, DMA</td>
</tr>
<tr>
<td>P56</td>
<td>Transnasal Humidified Rapid Insufflation Ventilatory Exchange (THRIVE) in Type 1 Thyroplasty</td>
<td>Amy Rutt, DO, Klaus Torp, MD, Zhou Li, MSc</td>
</tr>
<tr>
<td>P57</td>
<td>Surface EMG and Muscle Contributions During Phonation: Systematic Review Including SEMG Tasks, Measurement, and Analysis</td>
<td>Sai Aishwarya Ramani, MSc, Eric Hunter, PhD</td>
</tr>
<tr>
<td>P22</td>
<td>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.</td>
<td>Gonzalo Inostroza Moreno PhD</td>
</tr>
<tr>
<td>P37</td>
<td>A Rare Cause of Persistent Hoarseness: Laryngeal Solitary Extramedullary Plasmacytoma</td>
<td>Zhongjing Pan, Dan Lu, PhD</td>
</tr>
<tr>
<td>P38</td>
<td>Understanding the Barriers in Seeking Professional Help for Voice-related Problems in Indian Trained Singers.</td>
<td>Revathi Raveendran, MSc, Yeshoda Krishna, PhD</td>
</tr>
<tr>
<td>P39</td>
<td>Voice and Mask Use in COVID 19</td>
<td>Paola Diaz Borrego, MD, Maria Del Campo Sanchez, MD, Marina Lopez Ruiz, SLP, Manuel Rodriguez-Piñero Duran, MD, Marta Montes Catedra, SLP</td>
</tr>
<tr>
<td>P40</td>
<td>The Relationship Between Voice Aspects and Stomatognathic System Aspects in Lyric Singers</td>
<td>Rafaela Lombas de Resende, SLP, Ana Carolina Constantini, PhD</td>
</tr>
<tr>
<td>P41</td>
<td>Voice Usage in Higher Education During COVID-19 Pandemic</td>
<td>Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD</td>
</tr>
<tr>
<td>P42</td>
<td>Case Report: Biomechanical Analysis of a Patient with Unilateral Vocal Fold Paralysis Before and After Vocal Fold Injection</td>
<td>Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristania, MD</td>
</tr>
<tr>
<td>P43</td>
<td>Vocal Profile and Vocal Training of Chilean Radio Broadcasters</td>
<td>Mauricio Alfaro-Calfullan, MS, Yuri Vega, MS, Patricio Soldivar, MS, Emily Kimball, PhD</td>
</tr>
<tr>
<td>P44</td>
<td>Study of Evaluation of Mucosal Wave Variation According To The Pitch by Biomechanical Analysis</td>
<td>Walter Orlando Tenesaca Pintado, MD, Isabel Maria Cardoso López, MD, Roberto Fernández Baillo Gallego de la Sacristania, MD</td>
</tr>
<tr>
<td>P45</td>
<td>Biomechanical analysis of the voice, characterization method in Amyotrophic Lateral Sclerosis (ALS)</td>
<td>Paola Diaz Borrego, MD, Margarita Perez Bonilla, MD, Roberto Fernández Baillo Gallego de la Sacristania, MD</td>
</tr>
<tr>
<td>P46</td>
<td>Detection of Amplitude Modulation Glottal Area Waveforms: Application for Detecting Disorders of Vocal Folds</td>
<td>Vinod Devaraj, MSc, Doria-Aaria Denk-Linnert, MD, Imme Roeser, MD, Philipp Aichinger, PhD</td>
</tr>
<tr>
<td>P47</td>
<td>Voice Usage in Higher Education During COVID-19 Pandemic</td>
<td>Chloe Elyse Grover, Maria Claudia Franca, PhD, Valerie E. Boyer, PhD</td>
</tr>
</tbody>
</table>
**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, Elisabeth 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 |
| P54 | Objective Assessment of Pushing Exercises on Glottic Tension and Strength  
|     | Sandra Corvo, Roberto Fernandez-Baillo, PhD |

5:30p  Dinner (on your own)
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 Awane, PhD, David Eddins, PhD, Shaheen Awane, 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 Electroglosstography and Laryngeal High-Speed Photography Signal Combining Artificial Intelligence Automatic Analysis
  *Xinlin Xu, MD, Xi Wang, MD*

8:00p Increasing the Diagnostic Value of Electroglosstographic 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 - 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 Awus, 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

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:
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
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

Workshops 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
Workshops 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*

**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*

**Teleducation Program for Teachers**  
*R. Eugenia Chavez Calderon, MD*

**Considering Client Motivation through the Lens of Self-Determination Theory**  
*Hillary Enclade, 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*
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

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.
Voices of Summer Gala
Friday, June 3, 2022

6:00p Cocktails,
7:00p 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.
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

Journal of Voice is published by Elsevier for The Voice Foundation and International Association of Phonosurgery.

Elsevier

JOURNAL OF VOICE is included in The Voice Foundation Professional Membership.
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 Atarás-Piraquive, MS

8:30a  Respirable Aerosol Emission during Voice Assessment and Treatment
       Brian Saccenette-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 Saccenette-Kennedy, MSc, Ruth Epstein, PhD, Alicia 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 Beenthal, 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 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 Nourei, 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

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.
**Saturday, June 4, 2022**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>12:00p</td>
<td>Lunch Break (on your own)</td>
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<td></td>
<td>Meeting of the Voice Laboratory Representatives (Georgian Room)</td>
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<tr>
<td></td>
<td>Meeting of The Voice Foundation Chapters (The Director’s Room)</td>
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</tbody>
</table>

**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 Feijó, 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, Víctor 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 Saccante-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

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

### 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, Jenyffer Andrea Ramírez Vaca, Milena Salcedo Leyva

- Economic Costs Associated with Voice Disorders among Occupational Voice Users: A Systematic Review  
  Harold Zamir Taborda Osorio, MSc, María 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
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 Dehgan, 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

6:10p 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

6:00p-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
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**

**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 Ekborn, 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 Krtickova, 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 Echternach, MD

9:50a Discussion

10:00a Voice Outcome of Glottoplasty in Transgender Women
Evelyn D’haeseleer, PhD, Clara Leysn, 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

Care of the Professional Voice 2022
Virtual Content

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
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 Luncheon (TBD)
AGENDA

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

VIRTUAL CONTENT page 36
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
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
Edie 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

SUNDAY, JUNE 5, 2022

AGENDA

ADVISORY BOARD

Advisory Board Chair: Michael M. Johns III, MD

Mona Abaza, MD
Jean Abitbol, MD
Ken Altman, MD
Shaheen Awan, PhD
R.J. Baken, PhD
Mara Behlau, PhD
Diane M. Bless, PhD
William S. Brown, PhD
Thomas L. Carroll, MD
Raymond H. Colton, PhD
Kathleen T. Cox, PhD
Dimitar Deliyski, PhD
Jayme Dowdall, MD
Molly Erickson, MM, PhD
Amanda Gillespie, PhD
Abdul-Latif Hamdan, MD, FACS
Mary Hawkshaw, RN, BSN, CORLN
Christian Herbst, PhD
Shigeru Hirano, MD, PhD
Hajime Hirose, MD
Norman D. Hogikyan, MD
David Howard, PhD, BS
Eric J. Hunter, PhD
Jack J. Jiang, MD, PhD
Joel Kahane, PhD
Michael Kalisman, MD
Gwen S. Korovin, MD
Karen Kost, MD, FRCSC
Joan Lader, SLP
Denis C. Lafreniere, MD, FACS
Jeannette L. LoVetri
Estella Ma, PhD
Nicolas E. Maragos, MD
Albert Merati, MD
David Meyer, DM
Claudio F. Milstein, PhD
Luc Mongeau, PhD
Thomas Murry, PhD
Robert H. Ossoff, DMD, MD
Rita Patel, PhD
Michael Pitman, MD
Lisa S. Popeil, MFA
Joel Portnoy, MD
David Rosow, MD
Adam Rubin, MD
Lucille S. Rubin, PhD
John S. Rubin, MD, FACS, FRCS
Amy Rutt, DO, FACS
Ronald C. Scherer, PhD
Rahul Shrivastav, PhD
Donna Snow, MFA
Nancy Pearl Solomon, PhD
Johan Sundberg, PhD
Jan G. Švec, PhD
Sten Ternström, PhD
Harvey M. Tucker, MD, FACS
Kristiane van Lierde, PhD
Edrie Means Weekly, MM
Peak Woo, MD, FACS
Gayle Woodson, MD
Edwin M.L. Yiu, PhD, PhD
Peiyun Zhuang, MD
Symposium Presentation Coaching (FREE)
Assistance with Your Paper or Poster Presentation
Are you a first-time presenter? Are you unsure how to best present your study?
*Do you have trouble being understood in English?*
Do you know how to effectively explain your poster presentation?
*Do you need a rehearsal with feedback?*

Once again we are offering the successful half-hour Presentation Coaching sessions to anyone presenting at the symposium.

**Turn great data into a solid presentation.**
Coaching will be available at the Philadelphia Westin Hotel Board Room at the following times free of charge. (Times are subject to change.)

**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**


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
The Voice Foundation Membership

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$75 annual contribution (international)

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- Advance Notice of all Foundation events
- Certificate of Membership

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$125 annual contribution (domestic)
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Benefits
- All Associate level benefits, plus...
- A 15% discount on registration to the Foundation’s Annual Symposium: Care of the Professional Voice, the meeting for voice experts from all over the world.

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$275 annual contribution (international)

Benefits
- All Associate level benefits, plus...
- A 20% discount on Symposium registration fees
- A complimentary annual subscription to Journal of Voice, the Foundation’s official, scholarly, bimonthly publication

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$500 annual contribution (domestic and international)

Benefits
- All Professional level benefits, plus...
- 20% Symposium discount for 2 attendees

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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

Care of the Professional Voice 2022 Page 39
<table>
<thead>
<tr>
<th>Time</th>
<th>Wednesday</th>
<th>Time</th>
<th>Thursday</th>
<th>Time</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Registration</td>
<td>6:45 AM</td>
<td>Advisory Board</td>
<td>7:00 AM</td>
<td>Registration</td>
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<tr>
<td>2:00 PM</td>
<td>Welcome</td>
<td>7:00 AM</td>
<td>Meetings</td>
<td>7:30 AM</td>
<td>Registration</td>
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<tr>
<td>2:15 PM</td>
<td><strong>Overview</strong></td>
<td>8:00 AM</td>
<td>Quintana Committee</td>
<td>8:00 AM</td>
<td><strong>Special Session</strong></td>
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<td><strong>RT Sataloff</strong></td>
<td>8:20 AM</td>
<td>Registration</td>
<td>8:00 AM</td>
<td>Nancy Solomon, Mod.</td>
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<td>2:45 PM</td>
<td>Anat &amp; Phys. Of Voice</td>
<td>8:30 AM</td>
<td>Welcome</td>
<td>8:20 AM</td>
<td>Hamdan, Laukka, Behlau, Morton</td>
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<tr>
<td>3:00 PM</td>
<td>Production &amp; Perception of Voice</td>
<td>8:45 AM</td>
<td>Coffee Break</td>
<td>9:00 AM</td>
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<td>3:15 PM</td>
<td><strong>S. Patel, J. Sundberg</strong></td>
<td>9:15 AM</td>
<td>Quintana Lecture</td>
<td>9:30 AM</td>
<td><strong>Panel Discussion</strong></td>
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<td>3:30 PM</td>
<td>An Overview</td>
<td>9:45 AM</td>
<td>Zhaoyan Zhang, PhD</td>
<td>11:00 AM</td>
<td>Lunch</td>
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<td>2:45 PM</td>
<td>10:00 AM</td>
<td><strong>Basic Science I</strong></td>
<td>11:00 AM</td>
<td>TVF Board of Directors</td>
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<tr>
<td>4:00 PM</td>
<td>Coffee Break</td>
<td>10:15 AM</td>
<td><strong>Basic Science II</strong></td>
<td>11:50 AM</td>
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<td><strong>R. Scherer</strong></td>
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<td>Kristina Simonyan, MD, PhD, Drmed</td>
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**Wednesday, Thursday, Friday Agenda**
## Saturday, Sunday

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<td>7:00 AM</td>
<td>Meetings</td>
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<td>NATS Voice Science Advisory Committee</td>
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<tr>
<td>7:20 AM</td>
<td>New Investigator Research Forum</td>
<td>7:15 AM</td>
<td>Registration</td>
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<td>7:35 AM</td>
<td>7:00am - 7:50am</td>
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<td>8:00 AM</td>
<td>Medical A</td>
<td>8:00 AM</td>
<td>Medical C</td>
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<td>PANEL</td>
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<td></td>
<td>Gender Affirming Voice Care: Choices and Challenges</td>
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<td>Voice Surgery: Interesting Cases and Concepts</td>
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<td>RT Sataloff, Mod.</td>
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<td>G Paul Moore Lecture</td>
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<td>Abitbol, Carroll, Rose, Tucker</td>
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<td>Michael M. Johns III, MD</td>
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<td>My Journey in Aging Voice</td>
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<td>Voice Lab Reps</td>
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<td>Speech Path A</td>
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<td>Vocal Ped C</td>
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<td>Voice Pedagogy A</td>
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<tr>
<td>7:15 PM</td>
<td>MASTER CLASS</td>
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<td>Vladimir Chernov</td>
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<td>8:30 PM</td>
<td>Reception</td>
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<td>Sing-Along with Grant</td>
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**Times subject to change**
### SATURDAY AND SUNDAY

#### Agenda

**Care of the Professional Voice 2022**

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<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Meetings</th>
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<tr>
<td>Thursday, June 2</td>
<td>7:20a - 8:10a</td>
<td>The Board Room</td>
<td>Quintana Award Committee</td>
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<td>12:00 - 1:00p</td>
<td>The Georgian Room</td>
<td>Journal of Voice Editorial Board</td>
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<td>12:00 - 1:00p</td>
<td>The Board Room</td>
<td>Presentation Outreach Committee</td>
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<td>Friday, June 3</td>
<td>6:45a - 8:00a</td>
<td>The Directors Room</td>
<td>TVF Advisory Board</td>
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<td>12:15p - 1:30p</td>
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<td>12:00p - 1:45p</td>
<td>The Directors Room</td>
<td>Young Laryngologists</td>
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<td>Sunday, June 5</td>
<td>7:00a - 7:50a</td>
<td>The Board Room</td>
<td>New Investigator Research Forum</td>
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<td>The Georgian Room</td>
<td>Voice Laboratory Representatives</td>
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<td>The Directors Room</td>
<td>Voice Foundation Local Chapters</td>
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<td>7:00a-8:00a</td>
<td>The Director’s Room</td>
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<td>12:00pm -1:00pm</td>
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<td>NATS Informal Luncheon (TBD)</td>
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<td>Alabama</td>
<td>Elizabeth Benson</td>
<td>Valerie Accetta</td>
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<td>Brandon Marcus</td>
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<td>Brian Petty</td>
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<td>Marina Gilman</td>
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<td>Jonelyn Langenstein</td>
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<td>Jonathan Bock</td>
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<td>Linda Dindzans</td>
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<td>Sharon Radionoff - Redevelopment</td>
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<td>Thomas L. Carroll</td>
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<td>Laura Toles</td>
<td>Janis Deane</td>
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<td>Amy Hamilton</td>
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<td>Amy Morris</td>
<td>Lindsay Madden</td>
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<td>Kathryn Waugh</td>
<td>S. Carter Wright, Jr.</td>
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<td>Seattle-Northwest</td>
<td>Mara Kapsner-Smith</td>
<td>Lisa Zughni</td>
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<td>Emily Wilson</td>
<td>Al Merati, MD</td>
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<td>South California</td>
<td>Lauren Timmons Sund</td>
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<td>Michele Patzakis</td>
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<td>Hillary Enclide</td>
<td>Paige Plotkin</td>
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<td>Karen Kochis-Jennings</td>
<td>Caitlin Bertelsen, MD</td>
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<td>Rima DeFatta, MD</td>
<td>Abby Leigh Hemmerich</td>
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<td>Diana Cataldi</td>
<td>Laura Hurd</td>
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<td>Claudia Eckley</td>
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<td>Glaucya Madazio</td>
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<td>Beth Amin</td>
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<td>China</td>
<td>Jack Jiang</td>
<td>Wen Xu</td>
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<td>S.Ramachandrareddy</td>
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<td>A. Meenakumari</td>
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<td>Fermin M. Zubiaur</td>
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Scan Me

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.
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.