

# Keiko Ishikawa, M.M., M.A., CCC-SLP

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## CURRENT POSITION

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Ph.D. Candidate	Department of Communication Sciences and Disorders University of Cincinnati
Student Associate	The Center for Pediatric Voice Disorders Department of Speech Pathology Cincinnati Children's Hospital Medical Center

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## EDUCATION

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Certificate in Clinical Translational Research	University of Cincinnati Cincinnati, Ohio	2014
Pre-doctoral fellowship Department of Surgery Department of Communicative Disorders	University of Wisconsin-Madison Madison, Wisconsin	2007-2009
Master of Arts in Speech-Language Pathology	University of Cincinnati Cincinnati, Ohio	2006
Completion of Pre-professional Program in Speech- Language Pathology	The College of New Jersey Ewing, New Jersey	2004
Master of Music in Voice Performance and Pedagogy with distinction	Westminster Choir College Princeton, New Jersey	2003
Bachelor of Arts in Voice Performance	Ferris University Kanagawa, Japan	1994

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## PUBLICATIONS

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### Research Papers:

Keck, C., Hamilton, S., **Ishikawa, K.** (submitted) Treating Residual /r/ Errors Using Ultrasound Biofeedback and Telepractice. *American Journal of Speech Language Pathology*

**Ishikawa, K.**, Boyce, S., Kelchner, L., Golla Powell, M., Schieve, H., de Alarcon, A., Khosla, S. (submitted) The Effect of Background Noise on Intelligibility of Dysphonic Speech, *Journal of Speech Language Hearing Research*.

**Ishikawa K.**, Elluru R.G. (2014) Cell-Based Therapy for Acquired Subglottic Stenosis: A Review of Research and Future Directions. *Ann Otolaryngol Rhinol* 1(1): 1003-1011.

Boyce, S., Speights, M., **Ishikawa, K.**, MacAuslan, J. (2013) SpeechMark Acoustic Landmark Tool: Application to Voice Pathology, Proceedings of the 14<sup>th</sup> Annual Conference of the International Speech Communication Association

- Ishikawa, K.**, Kelchner, L., Rao, M., Zacharias, S., Brehm, S., Weinrich, B., de Alarcon, A. (2013). The impact of dysphonia as predicted by self-report, perceptual and acoustic measures: Is intelligibility at risk? In: Deliyski D (Ed.) Proceedings of the 10th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research. Cincinnati, Ohio: AQL Press, 10:103-104.
- Vyas, B, **Ishikawa K**, Duflo, S, Chen, X, Thibeault, S.L., (2010) Inhibitory effects of hepatocyte growth factor and interleukin-6 on transforming growth factor-beta1 mediated vocal fold fibroblast-myofibroblast differentiation. *The Annals of Otolaryngology, Rhinology, and Laryngology*, 119(5):350-357
- Ishikawa, K.**, Thibeault, S. (2010) Voice Rest versus Exercises: A Review of the Literature. *Journal of Voice*, 24(4): 379-387
- Newmeyer, A.J., Grether, S., Grasha, C., White, J., Akers, R., Aylward, C., **Ishikawa, K.**, Degrauw, T. (2009). Results of Sensory Profile in Children with Suspected Childhood Apraxia of Speech. *Physical and Occupational Therapy in Pediatrics*.
- Newmeyer, A.J., Grether, S., Grasha, C., White, J., Akers, R., Aylward, C., **Ishikawa, K.**, Degrauw, T. (2007). Fine motor function and oral-motor imitation skills in preschool-age children with speech-sound disorders. *Clinical Pediatrics*. 46(7):604-11.
- LeBorgne, W. and **Ishikawa, K.** (2005). Case Study: Facioscapulohumeral Dystrophy. *ASHA Special Division 3 Perspectives Newsletters*.

#### **Book Contributions:**

- Ishikawa, K.** (2014) Supplement on Wound Healing and the Vocal Folds. In Kelchner, L.N., Brehm, S.B., and Weinrich, B.D. (Authors), *Pediatric Voice: A Modern, Collaborative Approach to Care*. (pp.197-203). San Diego, CA: Plural Publishing
- Ishikawa, K.** (2014) Anatomy and Physiology of the Pediatric Upper aerodigestive Tract, Larynx, and Respiratory System: Vocal Fold Microstructure, Basics of Histology, Developmental Changes in the Vocal Fold Across the Lifespan. In Kelchner, L.N., Brehm, S.B., and Weinrich, B.D. (Authors) *Pediatric Voice: A Modern, Collaborative Approach to Care*. (pp.23-31). San Diego, CA: Plural Publishing

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#### **PRESENTATIONS**

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- Ishikawa, K.**, Speights, M., MacAuslan, J., Boyce, S. (2015) Towards Development of an Automatic Analysis for Assessment of Dysphonic Speech. American Speech-Language Hearing Association Convention.
- Ishikawa, K.**, Powell, M., Phero, H., Khosla, S., de Alarcon, A., Zacharias, S., Boyce, S., Kelchner, L (2015) Towards Development of Intelligibility Assessment for Speakers With Dysphonia. American Speech-Language Hearing Association Convention.
- Speights, M., **Ishikawa, K.**, Boyce, S., MacAuslan, J., Fell, H., Ungruhe, J., Longpre, K. (2015) Automatic Syllabic Cluster Analysis of Children's Speech Data to Identify Speech-Language Disorders. American Speech-Language Hearing Association Convention.
- Ishikawa, K.**, Rao, M.B., Boyce, S. (2015) A Comparative Study of Variability in Landmark Sequences and Implications for Dysphonic Speech Analysis. The 169<sup>th</sup> Meeting of the Acoustical Society of America in Pittsburg, Pennsylvania

- Ishikawa, K.**, Golla-Powell, M., Zacharias, S., de Alarcon, A., Boyce, S., Kelchner, L.N. (2014) The effect of background noise on intelligibility of adults and children with dysphonia. The 167th Meeting of the Acoustical Society of America in Providence, Rhode Island
- Ishikawa, K.**, Speights, M., Boyce, S. (2014) Intelligibility in dysphonic speech: Landmark-based measures. The 167th Meeting of the Acoustical Society of America in Providence, Rhode Island
- Ishikawa, K.**, Kelchner, L.N., Rao, M.B., Zacharias, S., Brehm, S., Weinrich, B., and de Alarcon, A. (2013) Is communicative exchange at risk in individuals with dysphonia? Can this be evaluated? American Speech-Language Hearing Association Convention.
- Speights, M., **Ishikawa, K.**, Boyce, S. (2013) Acoustic Landmark-based Analysis of Intelligibility in Speakers with Vocal Pathology. American Speech-Language Hearing Association Convention.
- Ishikawa, K.**, Kelchner, L., Rao, M.B., Zacharias, S., Brehm, S., Weinrich, B., and de Alarcon, A. (2013) The impact of dysphonia as predicted by self-report, perceptual, and acoustic measures: Is intelligibility at risk? Advances in Quantitative Laryngology Meeting.
- Ishikawa, K.** (2010) Trends in Singing Voice Research. Seminar for Harvard Medical School and Massachusetts Eye and Ear Infirmary.
- Ishikawa, K.**, Vyas, B., Thibeault, S. (2010) The Effect of TGFβ-1, IL-6, Anti-TGFβ-1 on Vocal Fold Fibroblast-Myofibroblast Differentiation. American Laryngological Association 130<sup>th</sup> Annual Meeting.
- Ishikawa, K.**, Scherer, R.C., Lee, L., and LeBorgne, W. (2007). Vocal Function Exercises: Acoustic and Physiological analysis of /o/ with buzz. The Voice Foundation 36<sup>th</sup> Annual Symposium.
- Ishikawa, K.** and LeBorgne, W. (2007). Self Reported Vocal Hygiene Practices among 185 Incoming Freshman Musical Theater and Drama Majors. The Voice Foundation 36<sup>th</sup> Annual Symposium.
- Ishikawa, K.**, Newmeyer, A. J., and Grether, S. (2006). Incidence of Neuromotor Dysfunction in Children with Developmental Apraxia of Speech. Poster presentation at Ohio Speech-Language-Association 60<sup>th</sup> Annual Convention.
- Carroll, L., Ostrowski, R., McCoy, S., Riley W., and **Ishikawa, K.** (2002). Comparison of Voice Range Profile by Fach among developing singers. Presentation at The Voice Foundation's 31<sup>st</sup> Annual Symposium.

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**ACADEMIC APPOINTMENTS**

Adjunct Instructor	Voice Disorders University of Cincinnati	2015
Teaching Assistant	Voice Disorders Dysphagia Supervising faculty: Dr. Lisa Kelchner University of Cincinnati	2013 – 2014 2015
	Anatomy and Physiology of Voice Production Neurological Foundations of Communication	2012 – present

	Advanced Neurology Supervising faculty: Dr. Pete Scheifele University of Cincinnati	
Research Assistant	Susan Thibeault Laboratory Department of Surgery University of Wisconsin-Madison	2007-2009
Teaching Intern	Graduate and undergraduate voice science Supervising faculty: Dr. Scott McCoy Westminster Choir College	2002
Guest Lecturer	Advanced Speech Science Supervising faculty: Dr. Suzanne Boyce University of Cincinnati	2013 – present
	Introduction to Communication Sciences and Disorders Supervising faculty: Dr. Sandra Combs University of Cincinnati	2014 - Present

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#### **CLINICAL APPOINTMENTS**

Speech-language pathologist	Voice and Speech Laboratory Massachusetts Eye and Ear Infirmary Boston, Massachusetts	2009-2011
Clinical Fellow	The Blaine Block Institute for Voice Analysis and Rehabilitation Dayton, Ohio	2006-2007
	The Professional Voice Center of Greater Cincinnati Cincinnati, Ohio	

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#### **PROFESSIONAL MEMBERSHIP**

ASHA certified in speech-language pathology  
Licensed in speech-language pathology by the Ohio Board of Speech-Language Pathology and Audiology  
Acoustical Society of America student member

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#### **AWARDS**

PhD Scholarship

The Council of Academic Programs in Communication Sciences and Disorders, 2015

Selected Presenter for the New Investigator Research Forum

The Voice Foundation Annual Meeting, 2014

Student Travel Subsidy

The Acoustical Society of America, 2014

University Research Council Graduate Student Research Fellowship

University of Cincinnati, 2014

International Scholarship, Kala Singh Memorial Fund

American Speech-Language-Hearing Foundation, 2012

Graduate assistantship and the University Graduate Scholarship  
University of Cincinnati, September 2004 – 2007, 2011 – present

Research Assistantship  
Susan Thibeault Laboratory, Department of Surgery, University of Wisconsin-Madison, 2007-2009

Doctoral fellowship  
Blaine Block Institute for Voice Analysis and Rehabilitation, September, 2006 – 2007

Summer Undergraduate Research Fellowship  
Cincinnati Children's Hospital Medical Center, Summer, 2005

Graduate assistantship  
Westminster Choir College, 2000 – 2002

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**CONTINUING EDUCATION**

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Core Techniques in Protein and Genetic Engineering. BioPharmaceutical Technology Center Institute, Madison, Wisconsin, July 2008

International Conference on Advances in Laryngeal Biophysiology and the International Conference on Voice Physiology and Biomechanics, July, 2008

NBIB/NIH Grantsmanship Workshop, University of Wisconsin Madison, April 2008

3<sup>rd</sup> Annual Wisconsin Stem Cell Symposium "Conserved Mechanisms of Stem Cell Control and Regeneration" Biopharmaceutical Technology Center, Madison, WI

Summer Vocology Institute, National Center of Voice and Speech, University of Iowa, June-July 2006