

CURRICULUM VITAE

Kelly C. Richardson, Ph.D.

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School of Public Health and Health Sciences
Department of Communication Disorders
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EDUCATION

2014 Doctor of Philosophy and Presidential Fellow
University at Buffalo, Buffalo NY
Department of Communicative Disorders and Sciences

2008 Masters of Arts
University at Buffalo, Buffalo NY
Department of Communicative Disorders and Sciences

2002 Bachelor of Commerce and Finance, Honours Degree
University of Toronto, Toronto ON
Rotman School of Business

PROFESSIONAL POSITIONS

2014-Present Assistant Professor
University of Massachusetts Amherst
Department of Communication Disorders

2013-2014 Assistant Clinical Professor
University at Buffalo
Speech-Language and Hearing Clinic

2012-2013 Clinical Supervisor (part-time appointment)
University at Buffalo
Speech-Language and Hearing Clinic

2008-2012 Speech-Language Pathologist
University at Buffalo
Speech-Language and Hearing Clinic

PEER-REVIEWED PUBLICATIONS

- Richardson, K.**, Matheron, D., Martel-Sauvageau, V., & Vincent, I. (in review). A comparative normative study between Multi-Dimensional Voice Program, Praat, and TF32. Submitted to *Perspectives*.
- Richardson, K.**, & Sussman, J.E. (in review). Intensity resolution in individuals with Parkinson's disease: Sensory and nonsensory limitations. Submitted to the *Journal of Speech-Language and Hearing Research*.
- Higgins, A., & **Richardson, K.** (2018). The effects of a choral singing intervention on speech characteristics in individuals with Parkinson's disease: An exploratory study. *Communication Disorders Quarterly*, 1-11.
- Huber, J.E., Stathopoulos, E.T., Kawalick, G., Sussman, J.E., Snyder, S., **Richardson, K.**, Matheron, D., & Darling-White, M. (in revision). Changes to respiratory and laryngeal function after daily treatment with the Lombard effect for speech impairments in Parkinson's disease. Submitted to the *Journal of Speech-Language and Hearing Research*.
- Richardson, K.**, & Sussman, J.E. (2016). Perception of third formant transition cues to place of articulation by young children and adults. *Journal of Language and Speech*, 1-21.
- Richardson, K.**, Sussman, J.E., Stathopoulos, E.T., & Huber, J.E. (2014). The effect of increased vocal intensity on interarticulator timing in speakers with Parkinson's disease: a preliminary analysis. *Journal of Communication Disorders*, 52, 44-64.
- Stathopoulos, E.T., Huber, J.E., **Richardson, K.**, DeCicco, D., Kamphaus, J., Fulcher, K., & Sussman, J.E. (2014). Increased vocal intensity due to the Lombard effect in speakers with Parkinson's disease: Simultaneous laryngeal and respiratory strategies. *Journal of Communication Disorders*, 48, 1-17.
- Richardson, K.**, Gonzalez, Y., Crow, H., & Sussman, J.E. (2012). The effect of oral motor exercises on patients with myofascial pain of the masticatory system: A case series report. *New York State Dental Journal*, 78(1), 32-37.

Manuscripts in Progress

- Richardson, K.** (in preparation). Lombard-elicited changes in formant frequency characteristics in patients with Parkinson's disease. To be submitted to the *Journal of Speech-Language and Hearing Research*.
- Richardson, K.** (in preparation). Lombard-elicited changes in spectral moments in patients with Parkinson's disease. To be submitted to the *Journal of Speech-Language and Hearing Research*.

PRESENTATIONS

Scientific Presentations

- Richardson, K.**, Higgins, A., & Sommers, L. (Nov 2018). Choral singing: Effects on speech, voice, and quality of life in individuals with Parkinson's disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Boston Massachusetts.
- Richardson, K.**, Matheron, D., Martel-Sauvageau, V., & Vincent, I. (Nov 2018). A comparison of normative acoustic analysis between TF32, Praat, and Computerized Speech Lab. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Boston, Massachusetts.

- Felicetti, C., & **Richardson, K.** (Nov 2018). Dysphagia management in schools: A survey of school-based speech-language pathologists. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Boston, Massachusetts.
- Gomolson, J., & **Richardson, K.** (April 2017). The effects of choral singing on speech characteristics in individuals with Parkinson's disease. Poster presented at the Massachusetts Statewide Undergraduate Research Conference, Amherst Massachusetts.
- Richardson, K.** (Oct 2016). The science and art of speaking loud: Intervention approaches for Parkinson's disease. Presented at the Dean's Symposium on Parkinson's and Alzheimer's Diseases, Amherst Massachusetts.
- Richardson, K.**, & Sommers, L. (Sept 2016). The effects of choral singing on speech and voice characteristics in individuals with Parkinson's disease. Poster presented at the World Parkinson's Congress, Portland Oregon.
- Katsman, Y., & **Richardson, K.** (April 2016). Dysphagia management in patients with advanced dementia: Alternatives to enteral feeding. Poster presented at the Massachusetts Statewide Undergraduate Research Conference, Amherst Massachusetts.
- Kneip, S., & **Richardson, K.** (April 2016). The effects of choral singing on respiratory muscle strength in patients with Parkinson's disease. Poster presented at the Massachusetts Statewide Undergraduate Research Conference, Amherst Massachusetts.
- Higgins, A., & **Richardson, K.** (April 2016). Investigating the effects of music group therapy on speech characteristics in individuals with Parkinson's disease. Poster presented at the Massachusetts Statewide Undergraduate Research Conference, Amherst Massachusetts.
- Richardson, K.**, & Sussman, J.E. (Nov 2015). Intensity resolution and loudness scaling in individuals with Parkinson's disease. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Denver Colorado.
- Richardson, K.**, Sussman, J.E., Stathopoulos, E.T., & Sawusch, J. (Nov 2013). The effect of memory load on intensity resolution in individuals with Parkinson's disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, Chicago, IL.
- Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., & **Richardson, K.** (Oct 2013). Using the SpeechVive to treat speech impairments in Parkinson's disease. Paper presented at the annual convention of the World Parkinson Congress, Montreal, QC.
- Richardson, K.**, Sussman, J.E., Stathopoulos, E.T., & Huber, J.E. (Mar 2012). The effect of increased vocal intensity on interarticulator timing in Parkinson's disease: A preliminary analysis. Poster presented at the Biennial International Conference on Motor Speech, Santa Rosa, CA.
- Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Darling, M., Snyder, S., & **Richardson, K.** (Mar 2012). Changes to physiology as a result of a new treatment for individuals with Parkinson's disease. Paper presented at the Biennial International Conference on Motor Speech, Santa Rosa, CA.
- Huber, J.E., Stathopoulos, E.T., Sussman, J.E., Snyder, S., **Richardson, K.**, & Darling, M. (Nov 2011). A new treatment, SpeechVive™, for patients with Parkinson's disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.

Stathopoulos, E.T., Huber, J.E., Sussman, J.E., **Richardson, K.**, DeCicco, D., Kamphaus, J., Fulcher, K., & Darling, M. (Nov 2011). Laryngeal aerodynamic and respiratory kinematic strategies to increase vocal intensity as a result of the Lombard Effect: Speakers with Parkinson's disease. Paper presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA.

Stathopoulos, E.T., Sussman, J.E., Huber, J.E., **Richardson, K.**, Fulcher, K., Kamphaus, J., DeCicco, D., & Darling, M. (Nov 2011). Lombard effect changes respiratory/laryngeal mechanisms in individuals with Parkinson's disease. Presented at the 2011 Convention of American Speech-Language-Hearing Association, San Diego CA.

Richardson, K., & Sussman, J.E. (April 2010). Discrimination and identification of synthetic [da] - [ga] sounds by children 4 to 6 years of age and adults. Poster presented at The 159th Meeting of the Acoustical Society of America, Baltimore MD.

Kamphaus, J., Boyarski, B., Sussman, J.E., Stathopoulos, E.T., Huber, J.E., & **Richardson, K.** (April 2010). The effect of increased SPL on anticipatory coarticulation of tense vowel formants in VCV structure for patients with Parkinson's disease. Poster presented at The 159th Meeting of the Acoustical Society of America, Baltimore, MD.

Clinical Presentations

Richardson, K., & Bernhard, A. (Sept 2018). Evidence-based voice treatments for persons with Parkinson's disease. Invited 2-hour educational seminar and clinical workshop at the Parkinson's Wellness Group at Baystate Franklin Medical Center, Greenfield Massachusetts.

Richardson, K., & Roberts, S. (June 2016). Current research on singing interventions for persons with Parkinson's disease. Invited 1-hour educational seminar at the Parkinson's Wellness Group at the Center for Language, Speech, and Hearing at the University of Massachusetts Amherst, Amherst, Massachusetts.

Richardson, K., & Roberts, S. (June 2015). Current research on speech and voice treatment for persons with Parkinson's disease. Invited 1-hour educational seminar at the Parkinson's Wellness Group at the Center for Language, Speech, and Hearing at the University of Massachusetts Amherst, Amherst, Massachusetts.

Richardson, K., & Roberts, S. (June 2015). The effects of choral singing on speech and voice characteristics in patients with Parkinson's disease. Invited 2-hour seminar at the Central Massachusetts Parkinson's Disease Support Group, Worcester, Massachusetts.

Richardson, K. (Nov 2014). Speech and voice treatment for patients with Parkinson's disease. Invited 2-hour educational seminar at BayState Franklin Medical Center, Greenfield, Massachusetts.

Richardson, K. (May 2014). Treatment techniques for speech and voice disorders. Invited 2-hour presentation at the Northtown Parkinson's Disease Support Group, Williamsville, New York.

Richardson, K. (Jan 2014). Treatment techniques for speech and voice disorders. Invited 2-hour presentation at the West Seneca Parkinson's Disease Support Group, West Seneca, New York.

Richardson, K., & Fulcher, K. (Oct 2013). Augmentative and alternative communication options for individuals with Parkinson's disease. Invited 2-hour presentation at the Northtown Parkinson's Disease Support Group, Williamsville, New York.

Richardson, K., & Lam, J. (Oct 2013). Karaoke program for patients with Parkinson's disease. Invited 2-hour programming at the Northtown Parkinson's Disease Support Group, Amherst, New York.

Richardson, K., & Shafi, N. (Oct 2013). Voicebanking patients with ALS. Invited 1-hour seminar at the ALS Support Group, Amherst, New York.

Richardson, K., & Ritter-Schmidt, D.H. (June 2013). The impact of Parkinson's disease on swallowing and communication. Invited 2-hour educational seminar at the Northtown Parkinson's Disease Support Group, Williamsville, New York.

MENTORING EXPERIENCE

Research

- 2017-Present Catherine Felicetti, Thesis Committee Chair, Department of Communication Disorders, UMass Amherst
- 2016-Present Shelley Roberts, Dissertation Committee Member, Department of Music, University of Connecticut.
- 2016-2017 Kristen McCormack, Undergraduate Research Project: "Respiratory kinematic patterns in trained and untrained singers." Poster presented at the 23rd Massachusetts Statewide Undergraduate Research Conference, UMass Amherst.
- 2016-2017 Joseph Gomolson, Undergraduate Research Project: "The effects of choral singing on speech characteristics in individuals with Parkinson's disease." Poster presented at the 23rd Massachusetts Statewide Undergraduate Research Conference, UMass Amherst.
- 2015-2016 Ashley Higgins, Undergraduate Honors Thesis (Major Advisor): "The effect of choral singing on speech characteristics in individuals with Parkinson's disease." Poster presented at the 22nd Massachusetts Statewide Undergraduate Research Conference, UMass Amherst.
- 2015-2016 Sarah Kneip, Undergraduate Research Project: "The effect of choral singing on respiratory patterns in individuals with Parkinson's disease." Poster presented at the 22nd Massachusetts Statewide Undergraduate Research Conference, UMass Amherst.
- 2015-2016 Yuliya Katsman, Undergraduate Research Project: "Swallowing rehabilitation and patients with dementia." Poster Massachusetts presented at the 22nd Statewide Undergraduate Research Conference, UMass Amherst.

Laboratory

- 2019 Kia Kaizer, Undergraduate Lab Assistant, UMass Amherst
- 2018-2010 Amanda Dalton, Graduate Research Assistant, UMass Amherst
- 2018-2019 Sarah Gallagher, Undergraduate Lab Assistant, UMass Amherst
- 2018-2019 June Okada, Undergraduate Lab Assistant, UMass Amherst
- 2016-2017 Joseph Gomolson, Undergraduate Lab Assistant, UMass Amherst
- 2016-2017 Kristen McCormack, Undergraduate Lab Assistant, UMass Amherst
- 2016-2017 Alison Peart, Undergraduate Lab Assistant, UMass Amherst
- 2016-2017 Melissa Manning, Undergraduate Lab Assistant, UMass Amherst
- 2016-2017 Sarah Abreu, Undergraduate Lab Assistant, UMass Amherst

2016-2017 Hannah Finkelstein, Undergraduate Lab Assistant, UMass Amherst
 2015-2016 Ashley Higgins, Undergraduate Lab Assistant, UMass Amherst
 2015-2016 Sarah Kneip, Undergraduate Lab Assistant, UMass Amherst
 2015-2016 Yuliya Katsman, Undergraduate Lab Assistant, UMass Amherst

Teaching

2019 Alexa Livingstone, Undergraduate Teaching Assistant, COMM-DIS 312, UMass Amherst
 2019 Colleen Ward, Undergraduate Teaching Assistant, COMM-DIS 312, UMass Amherst
 2019 Sarah Gallagher, Undergraduate Teaching Assistant, COMM-DIS 312, UMass Amherst
 2018 Samantha Scripture, Graduate Teaching Assistant, COMM-DIS 312, UMass Amherst
 2017 Tracy Preza, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2017 Alison McHugh, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2017 Stephanie Gaglini, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2017 Kara Jerez, Graduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2016 Hannah Finkelstein, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2016 Devin O'Hare, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2016 Lindsay Voigt, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2016 Robin Petrillo, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2016 Kara Jerez, Graduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2015 Sophia Lalli, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2015 Elizabeth Jarvis, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2015 Lauren Sullivan, Undergraduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2015 Margaux-Smith Frank Graduate Teaching Assistant, COMM-DIS 416, UMass Amherst
 2014 Margaux-Smith Frank Graduate Teaching Assistant, COMM-DIS 416, UMass Amherst

GRANTS, SCHOLARSHIPS, AND AWARDS

2018 American Parkinson's Disease Association Community Grant (\$3220 requested) [submitted 12/18]
 2018 Flex Grant, University of Massachusetts Amherst (\$500 awarded)
 2017-2010 NIDCD Early Career Research Award (R21) [awarded \$461,100]
PI: K. Richardson, Co-I: J. Huber (Purdue University), Consultant: A. Roberts (Northwestern University)
Project: A comparison of two forms of intensive voice treatment for Parkinson's disease
 2017 Public Service Endowment Grant, University of Massachusetts Amherst [unfunded]
 2017 Family Research Scholars Program, University of Massachusetts Amherst [unfunded]
 2017 American Parkinson's Disease Association Research Grant (\$50,000) [unfunded]
 2017 Flex Grant, University of Massachusetts Amherst (\$500 awarded)
 2016 American Parkinson's Disease Association Community Grant (\$2000 awarded)
 2016 World Parkinson's Congress Travel Grant (\$1500 awarded)
 2016 Flex Grant, University of Massachusetts Amherst (\$500 awarded)
 2016 Family Research Scholars, University of Massachusetts Amherst (unfunded)
 2015 Baystate Medical Center Community Grant (\$5000, unfunded)
 2015 Open Education Resource Grant, University of Massachusetts Amherst (\$1000 awarded)
 2015 Flex Grant, University of Massachusetts Amherst (\$500 awarded)
 2013 Mark Diamond Foundation Research Grant, University at Buffalo (\$3000 awarded)
 2008-2012 Dean's Fellowship, College of Arts and Sciences, University at Buffalo (\$20,000 awarded)

TEACHING (UMass Amherst)

Speech Science (COMM-DIS 212)
 Dysphagia (COMM-DIS 691D)
 Fluency and Craniofacial Disorders (COMM-DIS 611)
 Clinical Procedures (COMM-DIS 416)
 Independent Study (COMM-DIS 496)
 Faculty Advisor Credited Internship (COMM-DIS 398)
 Undergraduate/Graduate Thesis Project (COMM-DIS 496)

TEACHING (University at Buffalo)

Phonetics (CDS 286)
 Speech-Language Pathology in the Schools (CDS 485/580)
 General and Speech Acoustics (CDS 289)
 Guest Lecturer: Voice Disorders (CDS 560)
 Guest Lecturer: Doctoral Theory and Research Seminar (CDS 699)

PROFESSIONAL ACCREDITATION AND LICENSURE

American Speech-Language and Hearing Association, Certificate of Clinical Competence (CCC-SLP)
 Lee Silverman Voice Treatment (LSVT® LOUD) Certification
 New York State Licensure (Speech-Language Pathology)
 Massachusetts State Licensure (Speech-Language Pathology)

SERVICE**Department**

2018	Member, Admissions Committee, Speech-Language Pathology, UMass Amherst
2017-2018	Member, Search Committee, Tenure Track (Speech-Language Pathology), UMass Amherst
2017-2018	Member, Search Committee, Non-tenure Track Position (Audiology), UMass Amherst
2017-2019	Member, Department Personnel Committee, UMass Amherst
2016-2017	Chair, Search Committee, Lecturer Position (Speech-Language Pathology), UMass Amherst
2016-2017	Member, Search Committee, Assistant Professor Position, UMass Amherst
2016-2017	Member, Search Committee, Open Rank Professor Position, UMass Amherst
2016	Member, Admissions Committee, Speech-Language Pathology, UMass Amherst
2016	Session Chair, Statewide Undergraduate Research Conference, UMass Amherst
2016	Member, Admissions Committee, Speech-Language Pathology, UMass Amherst
2015	Chair, Search Committee, Clinical Instructor/Speech-Language Pathologist, UMass Amherst
2015	Member, Admissions Committee, Speech-Language Pathology, UMass Amherst
2015	Member, Clinic Advisory Committee, UMass Amherst
2015-2018	Undergraduate Advisory Council, UMass Amherst
2015-2018	Faculty Advisor, National Student Speech-Language and Hearing Association (NSSLHA)
2015-Present	Faculty Sponsor, Field Experience Internship, UMass Amherst
2015-Present	Member, Ad-Hoc Review Committee for Departmental Honors, UMass Amherst
2014-Present	Academic Advisor, Speech-Language Pathology Graduate Students, UMass Amherst
2014-Present	Faculty Liaison, UMass Amherst
2014	Member, Clinic Advisory Committee, UMass Amherst

University

2015-2017 Member, Bylaws Committee, UMass Amherst
2015-2016 Library Representative, UMass Amherst

Professional

2014-Present Ad-Hoc Reviewer, American Journal of Speech-Language Pathology
2016-Present Ad-Hoc Reviewer, Journal of Communication Disorders
2018-Present Ad-Hoc Reviewer, Folia Phoniatica et Logopaedica

MEDIA

Interview Panel Interview: "The benefits of choral singing for persons with Parkinson's disease," *Shrewsbury Media Station*, December 2018.

Interview "Tuned In: After a researcher approached a group of people with Parkinson's disease to start a choir, a series of small miracles unfolded," *Neurology Now*, October/November 2016.

Interview "Painting going strong for Parkinson's patient," *Telegram.com*, September 18, 2016.