

Elaine Kearney, PhD

POSTDOCTORAL RESEARCH FELLOW

Queensland University of Technology

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Speech scientist focused on the brain mechanisms underlying speech production in individuals with and without motor speech disorders. I conduct both basic science and clinical research that leverages my expertise in behavioral, computational modeling, and neuroimaging methods. The long-term aim of my research program is to expand the evidence-based treatment options available to those with speech disorders.

Education

PhD in Speech-Language Pathology

Toronto, Canada

SPEECH PRODUCTION LABORATORY, REHABILITATION SCIENCES INSTITUTE, UNIVERSITY OF TORONTO

January 2013–June 2018

- Thesis: The Speech Movement Disorder and its Rehabilitation in Parkinson's Disease Using Augmented Visual Feedback
- Committee: Drs. Yana Yunusova (Advisor), Luc de Nil, and Luc Tremblay

BSc in Speech and Language Therapy

Cork, Ireland

DEPT. OF SPEECH AND HEARING SCIENCES, UNIVERSITY COLLEGE CORK

September 2007–June 2011

- Thesis: Tongue-Plate Contact During Selected Vowels in Typical and Disordered Articulation
- Advisor: Dr. Alice Lee

Research Employment

Postdoctoral Research Fellow

Brisbane, Australia

LANGUAGE, COGNITION AND BRAIN SCIENCES LABORATORY, QUEENSLAND UNIVERSITY OF TECHNOLOGY (QUT)

April 2022–present

- Projects: A prospective study of language impairment and recovery following surgery for brain tumours; A more sound approach to the neurobiology of language
- Advisors: Drs. Greig de Zubicaray and Katie L. McMahon

Postdoctoral Research Associate

Boston, MA, USA

SPEECH NEUROSCIENCE LABORATORY, BOSTON UNIVERSITY

January 2018–January 2022

- Projects: Neural modeling and imaging of speech; Voice and speech sensorimotor control in Parkinson's disease
- Advisors: Drs. Frank H. Guenther and Jason A. Tourville

Research Assistant

Toronto, Canada

VOCAL TRACT VISUALIZATION LABORATORY, TORONTO REHABILITATION INSTITUTE

January 2013–December 2017

- Project: Visual feedback systems in speech rehabilitation
- Advisor: Dr. Yana Yunusova

Research Assistant

Toronto, Canada

SPEECH AND STUTTERING INSTITUTE

June 2012–December 2012

- Project: Motor speech treatment protocol for developmental motor speech disorders
- Advisor: Dr. Aravind Namasivayam

Research Funding

Early Career Researcher Ideas Scheme (CI-A)

QUT

INVESTIGATING THE NEURAL BASIS OF THE SPEECH DISORDER IN HUNTINGTON'S DISEASE

January 2024–December 2024

- \$21,318

Study, Education and Research Trust Account Project Grant (CI-B)

Royal Brisbane and Women's Hospital

SPEAKING CLEARLY TOGETHER: A NOVEL SPEECH TREATMENT PROGRAM ENHANCING COMMUNICATION FOR INDIVIDUALS WITH HUNTINGTON'S DISEASE

January 2024–December 2024

- \$65,103.98

Long Leave Research Momentum Scheme (CI-A)

QUT

FUNDING TO SUPPORT DATA COLLECTION AND ANALYSIS WHILE ON AND RETURNING FROM LEAVE

August 2023–June 2024

- \$5,623.75

Research Awards and Honours

ASHA Research Mentoring Network: Lessons for Success

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

- Attendance at 3-day virtual workshop

USA

April 2021

Professional Development and Postdoctoral Affairs Travel Award

BOSTON UNIVERSITY

- 500 USD

Boston, MA, USA

August 2019

ASHA Research Mentoring Network: Pathways Program

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

- Travel, accommodation and food costs for duration of workshop

USA

June 2019

Polatajko-Howell Student Conference Presentation Fund

UNIVERSITY OF TORONTO

- 300 CAD

Toronto, Canada

June 2017

Rehabilitation Sciences Institute Peer Mentorship Award

UNIVERSITY OF TORONTO

- 100 CAD

Toronto, Canada

May 2017

Rehabilitation Sciences Institute Presentation Award

UNIVERSITY OF TORONTO

- 300 CAD

Toronto, Canada

May 2017

Office of Research Trainees Conference Travel Award

UNIVERSITY HEALTH NETWORK

- 500 CAD

Toronto, Canada

March 2016

Graduate Scholarship Prize

TORONTO REHABILITATION INSTITUTE - UNIVERSITY HEALTH NETWORK

- 1000 CAD

Toronto, Canada

November 2015

School of Graduate Studies Conference Grant

UNIVERSITY OF TORONTO

- 850 CAD

Toronto, Canada

November 2014

Speech-Language Pathology Travel Award

UNIVERSITY OF TORONTO

- 425 CAD

Toronto, Canada

March 2014

Undergraduate College Scholarship

UNIVERSITY COLLEGE CORK

- 1000 EUR

Cork, Ireland

May 2010

Professional Affiliations

International Myositis Assessment & Clinical Studies Group (IMACS)

MEMBER

March 2021–Present

American Speech-Language-Hearing Association

INTERNATIONAL AFFILIATE

October 2018–Present

Society for the Neurobiology of Language

POSTDOCTORAL MEMBER

April 2018–Present

National Student Speech Language Hearing Association

MEMBER

November 2014–November 2015

Irish Association of Speech and Language Therapists

NEW GRADUATE MEMBER

June 2011–December 2013

Service

Manuscript Reviews

GUEST ASSOCIATE EDITOR

2023–Present

- Frontiers in Human Neuroscience

HANDLING EDITOR

2022–2023

- Journal of Speech, Language, and Hearing Research (1)
- American Journal of Speech-Language Pathology (1)

REVIEWER

2018–Present

- Journal of Speech, Language, and Hearing Research (14)
- American Journal of Speech-Language Pathology (9)
- Neurorehabilitation and Neural Repair (3)
- Journal of the Acoustical Society of America (1)
- Cerebral Cortex (2)
- Journal of Communication Disorders (1)
- Journal of Voice (1)
- Clinical Linguistics & Phonetics (1)
- International Journal of Speech-Language Pathology (2)
- Infant and Child Development (1)
- Language and Speech (1)
- Schizophrenia (1)
- PLOS One (1)

Conference Reviews

REVIEWER

2019–Present

- American Speech-Language-Hearing Association Convention 2023
- International Congress of Phonetic Sciences 2023
- American Speech-Language-Hearing Association Convention 2022
- Conference on Motor Speech 2022
- International Clinical Phonetics and Linguistics Association Symposium 2020
- Boston Speech Motor Control Symposium 2019

Grant Reviews

REVIEWER

2019–2020

- LVST Small Student Grant

Conference Organization

ORGANIZING COMMITTEE MEMBER

2018–Present

- American Speech-Language-Hearing Association Convention 2023 (Motor Speech Disorders Across the Lifespan Topic)
- American Speech-Language-Hearing Association Convention 2022 (Motor Speech Disorders and Other Speech Sound Disorders in Adults Topic)
- Boston Speech Motor Control Symposium 2019

CSDisseminate

<https://CSDisseminate.com>

CO-FOUNDER, COLLABORATOR

July 2020–Present

- A grassroots initiative aimed at promoting the culture of self-archiving legal versions of research manuscripts in the field of communication sciences and disorders

OpenCSD

<https://www.open-csd.com/>

JOURNAL CLUB LEADER

Sep-22–Present

- A grassroots initiative aspiring to educate others and foster the use of open science practices within the field of communication sciences and disorders

Publications

PEER-REVIEWED

Paucity of bulbar function measures in IBM trials: A commentary on Roy et al Current status of clinical outcome measures in inclusion body myositis: a systematized review

Clin. Exp. Rheumatol.

GARAND, K. L., MALANDRAKI, G. A., STIPANCIC, K. L., KEARNEY, E., ROY, B., & ALFANO, L. N.

2023

- DOI: 10.55563/clinexprheumatol/x66elf

Non-arbitrary mappings between size and sound of English words: Form typicality effects during lexical access and memory

QJEP

DE ZUBICARAY, G., ARCIULI, J., GUENTHER, F. H., MCMAHON, K. L., & KEARNEY, E.

2023

- DOI: 10.1177/17470218231184940

Emotion from the sound of a word: Statistical relationships between surface form and valence of English words influence lexical access and memory

DE ZUBICARAY, G., MCMAHON, K. L., ARCIULI, J., KEARNEY, E., & GUENTHER, F. H.

• DOI: 10.1037/xge0001477

J. Exp. Psychol. Gen.

2023

Relationships between reading performance and regional spontaneous brain activity following surgical removal of primary left-hemisphere tumors: A resting-state fMRI study

KEARNEY, E., BROWNSSETT, S. L. E., COPLAND, D. A., DRUMMOND, K., JEFFREE, R. L., OLSON, S., MURTON, E., ONG, B.,

ROBINSON, G. A., TOLKACHEVA, V., MCMAHON, K. L., & DE ZUBICARAY, G. I.

• DOI: 10.1016/j.neuropsychologia.2023.108631

Neuropsychologia

2023

Do not cut off your tail: A mega-analysis of responses to auditory perturbation experiments

MILLER, H., KEARNEY, E., NIETO-CASTANON, A., FALSINI, R., ABUR, D., ACOSTA, A., CHAO, S-C., DAHL, K., FRANKEN, M., HELLER

MURRAY, E. S., MOLLAEI, F., NIZIOLEK, C. A., PARRELL, B., PERRACHIONE, T., SMITH, D., STEPP, C. E., TOMASSI, N., &

GUENTHER, F. H.

• DOI: 10.1044/2023_JSLHR-23-00315

JSLHR

2023

Open science practices in communication sciences and disorders: A survey

EL AMIN, M., BORDERS, J. C., LONG, H., KELLER, M. A., & KEARNEY, E.

• DOI: 10.1044/2022_JSLHR-22-00062

JSLHR

2022

Quantitatively characterizing reflexive responses to pitch perturbations

KEARNEY, E., NIETO-CASTANON, A., FALSINI, R., DALIRI, A., HELLER MURRAY E. S., SMITH, D. J., & GUENTHER, F. H.

• DOI: 10.3389/fnhum.2022.929687

Front. Hum. Neurosci.

2022

Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumours

KEARNEY, E., BROWNSSETT, S. L. E., COPLAND, D. A., DRUMMOND, K., JEFFREE, R. L., OLSON, S., MURTON, E., ONG, B.,

ROBINSON, G. A., TOLKACHEVA, V., MCMAHON, K. L., & DE ZUBICARAY, G. I.

• DOI: 10.1080/02687038.2022.2145844

Aphasiology

2022

On the roles of form systematicity and sensorimotor effects in language processing

DE ZUBICARAY, G., ARCIULI, J., KEARNEY, E., GUENTHER, F. H., & MCMAHON, K. L.

• DOI: 10.1037/xlm0001201

J. Exp. Psychol. Learn. Mem. Cogn.

2022

Contributions of auditory and somatosensory feedback to vocal motor control

SMITH, D. J., STEPP, C. E., GUENTHER, F. H., & KEARNEY, E.

• DOI: 10.1044/2020_JSLHR-19-00296

JSLHR

2020

A simple 3-parameter model for examining adaptation in speech and voice production

KEARNEY, E., NIETO-CASTANON, A., WEERATHUNGE, H. R., FALSINI, R., DALIRI, A., ABUR, D., BALLARD, K. J., CHANG, S-E.,

CHAO, S-C., HELLER MURRAY, E. S., SCOTT, T. L., & GUENTHER, F. H.

• DOI: 10.3389/fpsyg.2019.02995

Front. Psychol.

2020

Articulating: The neural mechanisms of speech production

KEARNEY, E., & GUENTHER, F. H.

• DOI:10.1080/23273798.2019.1589541

Lang. Cogn. Neurosci.

2019

Towards movement-based outcome measures for apraxia of speech: A systematic review

BAILEY, K., KEARNEY, E., ROBERTS, E., & YUNUSOVA, Y.

• DOI: 10.1080/02687038.2018.1510111

Aphasiology

2019

Electromagnetic articulography (EMA) for real-time feedback application: Computational techniques

HAWORTH, B., KEARNEY, E., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

• DOI:10.1080/21681163.2018.1434423

CMBBE

2019

Augmented visual feedback-aided interventions in motor rehabilitation in Parkinson's disease: A systematic review

KEARNEY, E., SHELLIKERI, S., MARTINO, R., & YUNUSOVA, Y.

• DOI:10.1080/09638288.2017.1419292

Disabil. Rehabil.

2019

Treating speech-movement hypokinesia in Parkinson's disease: Does movement size matter and to what extent?

JSLHR

KEARNEY, E., HAWORTH, M. B., SCHOLL, J., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

2018

- DOI:10.1044/2018_JSLHR-S-17-0439

Sentence-level movements in Parkinson's disease: Loud, clear, and slow speech

JSLHR

KEARNEY, E., GILES, R., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

2017

- DOI: 10.1044/2017_JSLHR-S-17-0075

Game-based augmented visual feedback for enlarging speech movements in Parkinson's disease

JSLHR

YUNUSOVA, Y., KEARNEY, E., KULKARNI, M., HAWORTH, M. B., BALJKO, M., & FALOUTSOS, P.

2017

- DOI:10.1044/2017_JSLHR-S-16-0233

Outcome measures in developmental speech sound disorders with a motor basis

Curr. Dev. Disord. Rep.

KEARNEY, E., GRANATA, F., YUNUSOVA, Y., VAN LIESHOUT, P., HAYDEN, D., & NAMASIVAYAM, A.

2015

- DOI: 10.1007/s40474-015-0058-2

Motor Speech Treatment Protocol for developmental motor speech disorders

Dev. Neurorehabil.

NAMASIVAYAM, A., PUKONEN, M., HARD, J., JAHNKE, R., KEARNEY, E., KROLL, R., & VAN LIESHOUT, P.

2015

- DOI: 10.3109/17518423.2013.832431

Tongue-palate contact during selected vowels in children with speech sound disorders

IJSLP

LEE, A., GIBBON, F. E., KEARNEY, E., & MURPHY, D.

2014

- DOI: 10.3109/17549507.2013.862857

PROCEEDINGS

Electromagnetic articulography in the development of "serious games" for speech rehabilitation

Proceedings from PMHA 2014

HAWORTH, M. B., KEARNEY, E., BALJKO, M., FALOUTSOS, P., & YUNUSOVA, Y.

2014

EDITORIALS

Enhancing accessibility of communication sciences and disorders research: Open access and self-archiving

Audiology Today

GAETA, L., PFEIFFER, D., & KEARNEY, E.

2022

Presentations

INTERNATIONAL

Invited

DIVA explained: Applying models of speech production to clinical populations (oral presentation)

New Orleans, LA, USA

KEARNEY, E., MILLER, H., CHANG, S-E., & GUENTHER, F. H.

November 2022

- American Speech-Language-Hearing Association Convention

Estimating feedback control during voice production: Experimental and modelling findings (oral presentation)

Toronto, Canada

KEARNEY, E.

June 2022

- Connect Laboratory Research Seminar, Bloorview Research Institute

Sensorimotor control of speech and voice production: Insights from experimental and modeling studies (oral presentation)

Tempe, AZ, USA

KEARNEY, E.

March 2021

- Speech and Hearing Science Research Colloquium, Arizona State University

The speech movement disorder in Parkinson's disease and its rehabilitation using augmented visual feedback (oral presentation)

Boston, MA, USA

KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

September 2017

- Boston Speech Motor Control Working Group, Boston University

The speech movement disorder and its rehabilitation in Parkinson's disease using augmented visual feedback (oral presentation)

KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

- Ecole d'Orthophonie et d'Audiologie, Universite de Montreal

Montreal, Canada

May 2017

Development of augmented feedback targets for speech rehabilitation in Parkinson's disease (oral presentation)

KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.

- Dept. of Speech and Hearing Sciences, University College Cork

Cork, Ireland

March 2015

Conference

Somatosensory feedback control of voice and articulation in Parkinson's disease (oral presentation)

MANES, J. L., TOURVILLE, J. A., KEARNEY, E., NIETO-CASTANON, A., & GUENTHER, F. H.

- 22nd Biennial Conference on Motor Speech

San Diego, CA, USA

February 2024

A mega-analysis of the distribution of responses to auditory perturbation experiments (oral presentation)

MILLER, H., KEARNEY, E., NIETO-CASTANON, A., & GUENTHER, F. H.

- 22nd Biennial Conference on Motor Speech

San Diego, CA, USA

February 2024

A qualitative exploration of open science practices in communication sciences and disorders (poster)

THOMPSON, A., PFEIFFER, D., EL AMIN, M., CIULIO, B., FORD, A., HIRSCH, M., KEARNEY, E., & RICCARDI, J.

- American Speech-Language-Hearing Association Convention

Boston, MA, USA

November 2023

Self-archiving 101: Benefits for clinicians and researchers (oral presentation)

DROWN, L., KEARNEY, E., EL AMIN, M., & LONG, H.

- American Speech-Language-Hearing Association Convention

Boston, MA, USA

November 2023

Collaborating on code in communication sciences and disorders: A hands-on tutorial (oral presentation)

KEARNEY, E., & HIRSCH, M.

- American Speech-Language-Hearing Association Convention

Boston, MA, USA

November 2023

Auditory perturbation-derived sensory profiles of children with and without residual distortions of American English /r/ (oral presentation)

EADS, A., KEARNEY, E., KODA, A., MEDINA, I., HITCHCOCK, E., SHILLER, D., GUENTHER, F. H., & McALLISTER, T.

- American Speech-Language-Hearing Association Convention

Boston, MA, USA

November 2023

Non-arbitrary relationships between sensory meanings and phonological properties of English words (poster)

DE ZUBICARAY, G. I., KEARNEY, E., GUENTHER, F. H., MCMAHON, K. L., & ARCIULI, J.

- 15th Annual Meeting of the Society for Neurobiology of Language

Marseille, France

October 2023

Lesion-symptom mapping of pre-surgical language deficits in patients with left-hemisphere primary brain tumours (poster)

DE ZUBICARAY, G. I., KEARNEY, E., BROWNETT, S. L. E., DRUMMOND, K. J., MURTON, E., OLSON, S., ONG, B., COPLAND, D. A., ROBINSON, G. A., TOLKACHEVA, V., & MCMAHON, K. L.

- 15th Annual Meeting of the Society for Neurobiology of Language

Marseille, France

October 2023

Auditory acuity and response to altered auditory feedback in children with and without residual speech sound disorder (poster)

EADS, A., KEARNEY, E., KODA, A., MEDINA, I., HITCHCOCK, E., SHILLER, D., GUENTHER, F. H., & McALLISTER, T.

- 20th International Congress of Phonetic Sciences

Prague, Czech Republic

August 2023

Auditory acuity and SimpleDIVA modeling of response to altered auditory feedback in children with and without residual speech sound disorder (oral presentation)

EADS, A., KEARNEY, E., KODA, A., MEDINA, I., HITCHCOCK, E., SHILLER, D., GUENTHER, F. H., & McALLISTER, T.

- Boston Speech Motor Control Symposium

Boston, MA, USA

June 2023

Pitch and formant targets vary across days as seen in reflexive responses to auditory perturbations (poster)

ACOSTA, A., KEARNEY, E., NIETO-CASTANON, A., & GUENTHER, F. H.

- Boston Speech Motor Control Symposium

Boston, MA, USA

June 2023

Cortical responses to jaw and larynx perturbations during speech production in Parkinson's disease: A preliminary fMRI analysis (poster) MANES, J. L., TOURVILLE, J. A., KEARNEY, E., NIETO-CASTANON, A., HOLLAND, B. G., KIM, J. S., & GUENTHER, F. H. • SFN Neuroscience 2022	San Diego, CA, USA November 2022
Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumors (poster) KEARNEY, E., BROWNSSETT, S. L. E., COPLAND, D. A., DRUMMOND, K. J., JEFFREE, R. L., OLSON, S., MURTON, E., ONG, B., ROBINSON, G. A., TOLKACHEVA, V., MCMAHON, K. L., & DE ZUBICARAY, G. I. • 14th Annual Meeting of the Society for Neurobiology of Language	Philadelphia, PA, USA October 2022
Open science practices in communication sciences and disorders (oral presentation) EL AMIN, M., LONG, H. L., BORDERS, J. C., KELLER, M. A., & KEARNEY, E. • American Speech-Language-Hearing Association Convention	Washington, DC, USA November 2021
Converging neural representations of the speech subsystems: A meta-analysis (poster) KEARNEY, E., JIANG, L., & GUENTHER, F. H. • Boston Speech Motor Control Symposium	Virtual June 2021
Quantitative modeling of reflexive responses to auditory perturbations (oral presentation) GUENTHER, F., KEARNEY, E., HELLER-MURRAY, E. S., & NIETO-CASTANON, A. • Neural Bases of Speech Production Symposium	Virtual May 2021
Contributions of auditory and somatosensory feedback to vocal motor control (poster) KEARNEY, E., SMITH, D. J., STEPP, C. E., & GUENTHER, F. H. • 20th Biennial Conference on Motor Speech	Santa Barbara, CA, USA February 2020
SimpleDIVA: A 3-parameter model for examining adaptation in speech and voice production (poster) KEARNEY, E., NIETO-CASTANON, A., DALIRI, A., & GUENTHER, F. H. • 11th Annual Meeting of the Society for Neurobiology of Language	Helsinki, Finland August 2019
Investigating the neural mechanisms of speech rate, clarity, and emphasis (poster) KEARNEY, E., TOURVILLE, J. A., NIETO-CASTANON, A., & GUENTHER, F. H. • Boston Speech Motor Control Symposium	Boston, MA, USA June 2019
A 3-parameter model for fitting and interpreting speech sensorimotor adaptation data (oral presentation) GUENTHER, F., KEARNEY, E., DALIRI, A., & NIETO-CASTANON, A. • Neural Bases of Speech Production Symposium	San Francisco, CA, USA March 2019
Speech movements in apraxia of speech (poster) ROBERTS, E., KEARNEY, E., BAILEY, K., GRAHAM, N., ROCHON, E., & YUNUSOVA, Y. • Canadian Stroke Congress	Calgary, Canada September 2017
Game-based augmented visual feedback treatment for apraxia of speech after stroke (poster) YUNUSOVA, Y., KEARNEY, E., SCHOLL, J., JANIK-JONES, C., HAWORTH, B., ROBERTS, E., FALOUTSOS, P., & BALJKO, M. • Canadian Stroke Congress	Calgary, Canada September 2017
Game-based speech therapy using visual feedback in Parkinson's disease (poster) KEARNEY, E., HAWORTH, B., SCHOLL, J., GILES, R., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y. • 7th International Conference on Speech Motor Control	Groningen, Netherlands July 2017
Speech movements and intelligibility in Parkinson's disease (oral presentation) KEARNEY, E., SHELLIKERI, S., GILES, R., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y. • 18th Biennial Conference on Motor Speech	Newport Beach, CA, USA March 2016
Movement-based speech therapy for dysarthria in Parkinson's disease and apraxia of speech (oral presentation) YUNUSOVA, Y., KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., & BALJKO, M. • 18th Biennial Conference on Motor Speech	Newport Beach, CA, USA March 2016
Measuring participation in developmental speech sound disorders with a motor basis (poster) KEARNEY, E., GRANATA, F., YUNUSOVA, Y., VAN LIESHOUT, P., HAYDEN, D., & NAMASIVAYAM, A. • American Speech-Language-Hearing Association Convention	Denver, CO, USA November 2015

Instrumental outcome measures in developmental speech sound disorders with a motor basis (poster) GRANATA, F., KEARNEY, E., YUNUSOVA, Y., VAN LIESHOUT, P., HAYDEN, D., & NAMASIVAYAM, A. • International Association of Orofacial Myology Convention 2015	Orlando, FL, USA October 2015
Artifact removal techniques for 3D electromagnetic articulography (oral presentation) MOGHADDAM, A., HAWORTH, B., KEARNEY, E., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y. • 3rd International Workshop on Biomechanical and Parametric Modeling of Human Anatomy	Montreal, Canada August 2015
Articulatory working space in older adults across speaking conditions (oral presentation) KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y. • American Speech-Language-Hearing Association Convention	Orlando, FL, USA November 2014
Electromagnetic articulography in the development of serious games for speech rehabilitation (oral presentation) HAWORTH, M. B., KEARNEY, E., BALJKO, M., FALOUTSOS, P., YUNUSOVA, Y. • 2nd International Workshop on Biomechanical and Parametric Modeling of Human Anatomy	Vancouver, Canada August 2014
Articulatory working space as a kinematic target in augmented feedback applications (poster) KEARNEY, E., HAWORTH, M. B., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y. • 17th Biennial Conference on Motor Speech	Sarasota, FL, USA February 2014
Rehabilitative speech computer game calibration using empirical characterizations of articulatory working space (poster) YUNUSOVA, Y., FALOUTSOS, P., & BALJKO, M. • 17th Biennial Conference on Motor Speech	Sarasota, FL, USA February 2014
Tongue-palate contact during selected vowels in children with speech sound disorder of unknown origin (poster) LEE, A., KEARNEY, E., & GIBBON, F. E. • International Clinical Phonetics and Linguistics Association Conference	Cork, Ireland June 2012
Tongue-palate contact during selected vowels in children with speech sound disorder of unknown origin (poster) LEE, A., KEARNEY, E., & GIBBON, F. E. • Irish Association of Speech and Language Therapists Biennial Conference	Dublin, Ireland November 2011
Workshop	
Improve research dissemination through access: Self-archiving 101 (oral presentation) SPRATFORD, M., LONG, H. L., HAROLD, M.P., & KEARNEY, E. • CSDisseminate	Virtual January 2021
Evidence-based practice: Critical appraisal and quality of evidence in clinical research (oral presentation) NAMASIVAYAM, A. K., KEARNEY, E., SANJEEVAN, T., WONG, W.Y.S., GRANATA, F., & RAMPERSAUD, D. • The Hanen Centre	Toronto, Canada June 2016
NATIONAL	
Invited	
Estimating feedback control during voice production: Experimental and modelling findings (oral presentation) KEARNEY, E. • School of Psychology and Counselling Research Seminar	Queensland University of Technology, Brisbane, Australia September 2022
Estimating feedback control during voice production: Experimental and modelling findings (oral presentation) KEARNEY, E. • Discipline of Speech Pathology Research Seminar	University of Sydney, Sydney, Australia June 2022

Sensorimotor control of speech and voice production: Insights from experimental and modeling studies (oral presentation)

KEARNEY, E.

- Centre for Language Sciences Speaker Series 2021

Macquarie University, Sydney,
Australia
April 2021

Conference

Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumours (poster)

Melbourne, Australia

KEARNEY, E., BROWNSSETT, S. L. E., COPLAND, D. A., DRUMMOND, K. J., JEFFREE, R. L., OLSON, S., MURTON, E., ONG, B.,
ROBINSON, G. A., TOLKACHEVA, V., MCMAHON, K. L., & DE ZUBICARAY, G. I.

November 2022

- Aphasiology Symposium of Australia

Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumors (poster)

Brisbane, Australia

KEARNEY, E., BROWNSSETT, S. L. E., COPLAND, D. A., DRUMMOND, K. J., JEFFREE, R. L., OLSON, S., MURTON, E., ONG, B.,
ROBINSON, G. A., TOLKACHEVA, V., MCMAHON, K. L., & DE ZUBICARAY, G. I.

July 2022

- Australasian Brain & Psychological Sciences Meeting

Software

SimpleDIVA

<https://bit.ly/2XY1n7f>

GUENTHER, F.H., NIETO-CASTANON, A., FALSINI, R., KEARNEY, E., & WEERATHUNGE, H.R.

2019

- An application that allows users to apply a simplified version of the DIVA model to data collected from auditory sensorimotor adaptation experiments

Research Mentoring

Olivia Guerrero

Brisbane, Australia

SCHOOL OF PSYCHOLOGY AND COUNSELLING, QUT

2023

- BSc Student/Research Assistant

Mark O'Connell

Brisbane, Australia

SCHOOL OF PSYCHOLOGY AND COUNSELLING, QUT

2023

- BSc (Honours) Student

Alexander Acosta

Boston, MA, USA

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

2021-2023

- BA (Honours) Student/Research Assistant

Yash Shroff

Boston, MA, USA

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

2020-2021

- BSc Student (successfully acquired funding through the Undergraduate Research Opportunities Program)

Lauren Jiang

Boston, MA, USA

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

2020-2021

- BSc Student (successfully acquired funding through the Undergraduate Research Opportunities Program)

Dante Smith

Boston, MA, USA

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

2018-2019

- PhD Student

Kristen Bailey

Toronto, Canada

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

2016-2018

- MSc Student/Clinician

Renuka Giles

Toronto, Canada

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

2015-2016

- BSc Student

Teaching

CERTIFICATE

Teaching in Higher Education

WOODSWORTH COLLEGE, UNIVERSITY OF TORONTO

Toronto, Canada

April 2016

EXPERIENCE

Course Instructor

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

- Research Methods in Speech-Language Pathology and Audiology, Clinical MSc

Boston, MA, USA

September 2019-December 2019

Guest Lecturer

DEPT. OF SPEECH, LANGUAGE AND HEARING SCIENCES, BOSTON UNIVERSITY

- SimpleDIVA Software Tutorial, Neural Control of Speech, MSc/PhD

Boston, MA, USA

November 2019

Guest Lecturer

MASSACHUSETTS GENERAL HOSPITAL - INSTITUTE OF HEALTH PROFESSIONS

- Advancements in Treatment for Dysarthria, Neuromotor Speech Disorders, Clinical MSc

Boston, MA, USA

July 2019

Course Instructor

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

- Principles of Clinical Practice, Clinical MSc

Toronto, Canada

September 2017-December 2017

Teaching Assistant/Guest Lecturer

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

- Motor Speech Disorders, Clinical MSc
- Articulation and Related Disorders, Clinical MSc
- Research in Speech-Language Pathology, MSc
- Linguistics in the Workplace: Clinical Practice and Research, BSc
- Augmentative and Alternative Communication, Clinical MSc
- Applied Audiology, Clinical MSc
- Neurocognitive Communication, Clinical MSc
- Advanced Principles of Clinical Practice, Clinical MSc
- Adult Language Disorders, BSc

Toronto, Canada

September 2013-June 2017

Technical Skills

Speech Acoustics

PRAAT, AUDACITY, TF32

Speech Kinematics

SPEECH MOVEMENT ANALYSIS FOR SPEECH AND HEARING RESEARCH (SMASH)

Auditory Feedback Perturbation

AUDAPTER

Signal Processing and Analysis

MATLAB

Neuroimaging Analysis

STATISTICAL PARAMETRIC MAPPING (SPM), FREESURFER, FUNCTIONAL CONNECTIVITY TOOLBOX (CONN)

Statistical Analysis

R, MATLAB

Version Control

GITHUB

Design and Video Software

AFFINITY DESIGNER, ADOBE SUITE (INDESIGN, ILLUSTRATOR, PHOTOSHOP, PREMIER PRO), DRAW.IO

Bibliographic Management

ENDNOTE, ZOTERO

Website Builders

BLOGDOWN, WIX