

Elaine Kearney

SPEECH SCIENTIST

Brisbane, Australia

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Speech scientist focused on the sensorimotor control of 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 communication 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
- Advisor: Drs. Greig de Zubicaray and Katie L. McMahon

Consultant Speech Scientist

Brisbane, Australia

INDEPENDENT CONTRACTOR

April 2022–present

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 (Chief Investigator)

QUT

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

Jan 2024–Dec 2024

- \$21,318

Research Awards and Honours

ASHA Research Mentoring Network: Lessons for Success

USA

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION

April 2021

- Attendance at 3-day virtual workshop

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

American Speech-Language-Hearing Association Special Interest Group 19: Speech Science

MEMBER

November 2021–Present

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

- 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 (8)
- 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)

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

Available for download at <https://elaine-kearney.com/publication/>

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

J. Exp. Psychol. Gen.

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

2023

- DOI: 10.1037/xge0001477

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

Neuropsychologia

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

2023

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

JSLHR

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

2023

Open science practices in communication sciences and disorders: A survey

JSLHR

EL AMIN, M., BORDERS, J. C., LONG, H., KELLER, M. A., & KEARNEY, E.
• DOI: 10.1044/2022_JSLHR-22-00062

2022

Quantitatively characterizing reflexive responses to pitch perturbations

Front. Hum. Neurosci.

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

2022

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

Aphasiology

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

2022

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

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

DE ZUBICARAY, G., ARCIULI, J., KEARNEY, E., GUENTHER, F. H., & MCMAHON, K. L.
• DOI: 10.1037/xlm0001201

2022

Contributions of auditory and somatosensory feedback to vocal motor control

JSLHR

SMITH, D. J., STEPP, C. E., GUENTHER, F. H., & KEARNEY, E.
• DOI: 10.1044/2020_JSLHR-19-00296

2020

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

Front. Psychol.

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

2020

Articulating: The neural mechanisms of speech production

Lang. Cogn. Neurosci.

KEARNEY, E., & GUENTHER, F. H.
• DOI: 10.1080/23273798.2019.1589541

2019

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

Aphasiology

BAILEY, K., KEARNEY, E., ROBERTS, E., & YUNUSOVA, Y.
• DOI: 10.1080/02687038.2018.1510111

2019

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

CMBBE

HAWORTH, B., KEARNEY, E., FALOUTSOS, P., BALJKO, M., & YUNUSOVA, Y.
• DOI: 10.1080/21681163.2018.1434423

2019

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

Disabil. Rehabil.

KEARNEY, E., SHELLIKERI, S., MARTINO, R., & YUNUSOVA, Y.
• DOI: 10.1080/09638288.2017.1419292

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.
• DOI: 10.1044/2018_JSLHR-S-17-0439

2018

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.
• DOI: 10.1044/2017_JSLHR-S-17-0075

2017

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)

*Bloorview Research Institute,
Toronto, Canada*

KEARNEY, E.

June 2022

- Connect Laboratory Research Seminar

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

*Macquarie University, Sydney,
Australia*

KEARNEY, E.

April 2021

- Centre for Language Sciences Speaker Series 2021

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

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

Cork, Ireland

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

March 2015

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

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., BROWNSSETT, 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

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

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

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. • Speech and Hearing Science Research Colloquium	Arizona State University, AZ, USA March 2021
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
Conference	
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. • Australasian Brain & Psychological Sciences Meeting	Brisbane, Australia July 2022
Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumours (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. • Aphasiology Symposium of Australia	Melbourne, Australia November 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
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

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

WORKSHOPS

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

Software

SimpleDIVA

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

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

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

2019

Research Mentoring

Olivia Guerrero

SCHOOL OF PSYCHOLOGY AND COUNSELLING, QUT

- BSc Student

Brisbane, Australia

2023-Present

Mark O'Connell

SCHOOL OF PSYCHOLOGY AND COUNSELLING, QUT

- BSc (Honours) Student

Brisbane, Australia

2023

Alexander Acosta

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

- BA (Honours) Student/Research Assistant

Boston, MA, USA

2021-Present

Yash Shroff

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

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

Boston, MA, USA

2020-2021

Lauren Jiang

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

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

Boston, MA, USA

2020-2021

Dante Smith

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

- PhD Student

Boston, MA, USA

2018-2019

Kristen Bailey

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

- MHSc Student

Toronto, Canada

2016-2018

Renuka Giles

DEPT. OF SPEECH-LANGUAGE PATHOLOGY, UNIVERSITY OF TORONTO

- BSc Student

Toronto, Canada

2015-2016

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