

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

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

- Boston University (Boston, MA, USA)
- Speech Research Centre (Toronto, Canada)

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 Awards and Honors

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, MA, USA

BOSTON UNIVERSITY

August 2019

- 500 USD

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

NON-CLINICAL MEMBER

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

Open Science Initiative

CO-FOUNDER, COLLABORATOR

<https://CSDisseminate.com>

July 2020–Present

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

Manuscript Reviews

HANDLING EDITOR

2022–Present

- 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 (10)
- American Journal of Speech-Language Pathology (7)
- Neurorehabilitation and Neural Repair (2)
- 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)

Conference Reviews

REVIEWER

2019–Present

- 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 2022 (Motor Speech Disorders in Adults Topic)
- Boston Speech Motor Control Symposium 2019

Publications

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

PEER-REVIEWED

Contributions of auditory and somatosensory feedback to vocal motor control

JSLHR

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

2020

- DOI: 10.1044/2020_JSLHR-19-00296

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.,

2020

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

- DOI: 10.3389/fpsyg.2019.02995

Articulating: The neural mechanisms of speech production

Lang. Cogn. Neurosci.

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

2019

- DOI:10.1080/23273798.2019.1589541

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

Aphasiology

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

2019

- DOI: 10.1080/02687038.2018.1510111

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

Computational techniques

CMBBE

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

2019

- DOI:10.1080/21681163.2018.1434423

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.

2019

- DOI:10.1080/09638288.2017.1419292

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. • DOI:10.1044/2017_JSLHR-S-16-0233	2017
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. • DOI: 10.1007/s40474-015-0058-2	2015
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. • DOI: 10.3109/17518423.2013.832431	2015
Tongue-palate contact during selected vowels in children with speech sound disorders	IJSLP
LEE, A., GIBBON, F. E., KEARNEY, E., & MURPHY, D. • DOI: 10.3109/17549507.2013.862857	2014
SUBMITTED	
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: 10.31219/osf.io/jwba3	2022
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 on behalf of the Inclusion Body Myositis Scientific Interest Group from International Myositis Assessment and Clinical Studies (IMACS)	Eur. J. Neurol.
GARAND, K. L., MALANDRAKI, G. A., STIPANCIC, K. L., KEARNEY, E., ROY, B., & ALFANO, L. N.	2022
Converging neural representations of the speech articulators and their relation to speech production	Hum. Brain Mapping.
KEARNEY, E., JIANG, L., & GUENTHER, F. H.	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.	2022
Brain lesions associated with communication-related quality of life following surgical removal of primary left-hemisphere tumors	Neurorehabil Neural Repair
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.	2022
On the roles of form systematicity and sensorimotor effects in language processing	J Exp Psychol Learn Mem Cogn
DE ZUBICARAY, G. I., ARCIULI, J., KEARNEY, E., GUENTHER, F. H., & MCMAHON, K. L.	2022
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

Cortical responses to jaw and larynx perturbations during speech production in Parkinson's disease: A preliminary fMRI analysis (poster)

San Diego, CA, USA

MANES, J. L., TOURVILLE, J. A., KEARNEY, E., NIETO-CASTANON, A., HOLLAND, B. G., KIM, J. S., & GUENTHER, F. H.

November 2022

- SFN Neuroscience 2022

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

Philadelphia, PA, USA

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

October 2022

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

- 14th Annual Meeting of the Society for Neurobiology of Language

Contributions of auditory and somatosensory feedback to vocal motor control (poster)

Santa Barbara, CA, USA

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

February 2020

- 20th Biennial Conference on Motor Speech

SimpleDIVA: A 3-parameter model for examining adaptation in speech and voice production (poster)

Helsinki, Finland

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

August 2019

- 11th Annual Meeting of the Society for Neurobiology of Language

Game-based speech therapy using visual feedback in Parkinson's disease (poster)

Groningen, Netherlands

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

July 2017

- 7th International Conference on Speech Motor Control

Speech movements and intelligibility in Parkinson's disease (oral presentation)

Newport Beach, CA, USA

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

March 2016

- 18th Biennial Conference on Motor Speech

Movement-based speech therapy for dysarthria in Parkinson's disease and apraxia of speech (oral presentation)

Newport Beach, CA, USA

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

March 2016

- 18th Biennial Conference on Motor Speech

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
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
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, Université de Montréal

Montreal, Canada

May 2017

Conference

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

Alexander Acosta

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

- BA Student

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 Workforce: 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