

Gerald C. Imaezue, PhD

*Assistant Professor, Department of Communication Sciences and Disorders
Director, Brain and Aphasia Research Lab
University of South Florida*

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EDUCATION

Ph.D. (Speech-Language-Hearing Sciences), The Graduate Center, City University of New York, 2023

Dissertation: Recursive Functional Learning in Nonfluent Aphasia

Dissertation Committee: Dr. Mira Goral (advisor), Dr. Ofer Tchernichovski and Dr. Loraine Obler

External Examiner: Dr. Leora R. Cherney

MPhil. (Speech-Language-Hearing Sciences), The Graduate Center, City University of New York, 2021

Project: Verbal Self-feedback in Nonfluent Aphasia

Qualifying Exam Topics: Computational models of language in the brain; Neuroimaging in aphasia; and Treatment of nonfluent aphasia

M.Ed. (Distinction: Audiology and Speech Pathology), University of Ibadan, 2015

Project: Effects of Vocal Hygiene Training and Resonant Voice Therapy on Vocal Fatigue in Teachers

B.Ed. (First Class Honors: Special Education with a major in Audiology and Speech Pathology, and Political Science), University of Ibadan, 2012

WORK EXPERIENCE

Positions and Employment

Assistant Professor (tenure track), University of South Florida (USF)	2023-Present
Director, Brain and Aphasia Research Lab at USF	2023-Present
Adjunct Professor, Queens College, CUNY	2023
Adjunct Professor, New York University	2021 and 2023
Adjunct Professor, Rutgers University	2021
Intern ML/NLP Researcher, GeoCloud Technologies	2021

Adjunct Professor, Molloy University	2019
Graduate Assistant, The Graduate Center, CUNY	2018-2023
Self-employed Speech-Language Pathologist, Ibadan	2015-2018
Teaching Assistant, University of Ibadan	2014-2015

Teaching

Graduate level:

Aphasia and Related Disorders

Critical Evaluation of Research in Communicative Sciences and Disorders

Research Principles of Evidence-Based Practice in Speech-Language Pathology

Undergraduate level:

Anatomy and Physiology of Speech Mechanisms

Speech Science

CONTRIBUTIONS TO SCIENCE

Research Papers

Bishop, J., Chen, Z., Antolovic, K., Grebe, L., Hwang, K., H., **Imaezue, G.**.....Zhang, S. (2021). Brief Report: Autistic traits predict spectral correlates of vowel intelligibility for female speakers. *Journal of Autism and Developmental Disorders*, 52, 2344-2349. <https://doi.org/10.1007/s10803-021-05087-5>

Imaezue G.C. (2017). Brain localization and the integrated systems hypothesis: Evidence from Broca's region. *Journal of Behavioral and Brain Science*, 7(11), 511-519. <https://doi.org/10.4236/jbbs.2017.711036>.

Imaezue, G.C. and Goral, M. (2022). Toward self-regulated learning in aphasia rehabilitation. PsyArXiv, <https://doi.org/10.31234/osf.io/7rxme>

Imaezue, G.C., Tchernichovski, O. & Goral, M. (2023). Recursive self-feedback improved speech fluency in two patients with chronic nonfluent aphasia. *Aphasiology*. <https://doi.org/10.1080/02687038.2023.2239511>

Imaezue, G.C., Tchernichovski, O. and Goral, M. (manuscript in preparation). Self-improved script production in nonfluent aphasia through automated recursive self-feedback.

Imaetzue G.C. and Oyebola, M. (2017). Treatment of vocal fatigue in teachers. *Journal of Otolaryngology-ENT Research*, 7(1), 00189. <https://doi.org/10.15406/joentr.2017.07.00189>

Imaetzue, G.C. & Salako, I.A. (2017). Aphasia rehabilitation of auditory word comprehension-impaired stroke patients. *Journal of Neurology and Translational Neuroscience*, 5(1): 1077.

Imaetzue, G.C., Salako, I.A. & Akinmurele, A.T. (2017). Selective sentence production deficit in an agrammatic Yoruba-English bilingual patient with minor stroke: A case study. *Journal of Behavioral and Brain Science*, 7(9), 416- 424. <https://doi.org/10.4236/jbbs.2017.79030>

Conference Papers

De Marchi, Silvia, El Jaouhari, M., **Imaetzue, G.C.** & Goral, M. (2023). Does emotional valence affect semi-spontaneous language production in aphasia? Poster presentation to be delivered at *the 61st Annual Meeting of the Academy of Aphasia in Reading, England*.

Imaetzue, G.C., Tchernichovski, O., Obler, L. and Goral, M. (2023). Self-improvement in nonfluent aphasia through recursive functional learning. Platform presentation to be delivered at *the 61st Annual Meeting of the Academy of Aphasia in Reading, England*.

Imaetzue, G.C., Tchernichovski, O., Obler, L. and Goral, M. (2023). Effect of recursive self-feedback on spoken language performance in nonfluent aphasia: A replication study. NIDCD-RSCA platform presentation delivered at *the 52nd Clinical Aphasiology Conference in Atlantic City, New Jersey*.

Imaetzue G.C., Tchernichovski O. & Goral, M. (2021). Automated verbal self-feedback for improving speech fluency in patients with mild chronic nonfluent aphasia. Poster presentation delivered at *the 59th Annual Meeting of the Academy of Aphasia*.

Imaetzue G.C., Tchernichovski O., Gorman, K. & Goral, M. (2021). A machine learning approach to posttreatment follow-up in aphasia rehabilitation: A preliminary report. Presented at *the 15th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders, Temple University, Philadelphia, USA*.

Imaetzue, G.C. (2018). On the application of neural multifunctionality concept to aphasia rehabilitation. Presented at *the 13th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders, Temple University, Philadelphia, USA*.

Imaetzue, G.C. & Oyebola, M. (2018). Towards a culturally sensitive approach to aphasia rehabilitation of stroke survivors in Nigeria. NIDCD-RSCA presentation delivered at *the 48th Clinical Aphasiology Conference, Austin, Texas, USA*.

Imaezue, G.C. (2017). Developing a new treatment model for stroke-induced aphasia: Is there hope? *Frontiers in Human Neuroscience Conference Abstract: The 55th Annual Meeting of the Academy of Aphasia*. doi: 10.3389/conf.fnhum.2017.223.00093.

Projects and Grant

Title: Development and application of mobile-based treatments for patients with nonfluent aphasia in Nigeria. National Institutes of Health (NIH) R21/R33 Grant Proposal. **Role:** Co-Investigator. (Not Funded)

Title: Recursive self-feedback and its role in spoken language. **Role:** Principal Investigator. Doctoral Student Research Grant (Funded, 2021)

SELECTED HONORS AND AWARDS

NIH/NIDCD Research Symposium in Clinical Aphasiology Fellowship, 2023

Brownstein Fellowship for Excellence in Dissertation Writing, Speech-Language-Hearing Sciences Program, The Graduate Center, CUNY, 2022

Young Investigator Travel Award, Academy of Aphasia, 2021

Saffran Student Scholar Award. Eleanor M. Saffran Center for Cognitive Neuroscience, Temple University, 2021

Doctoral Student Research Grant. The Graduate Center, City University of New York, 2021

Saffran Student Scholar Award. Eleanor M. Saffran Center for Cognitive Neuroscience, Temple University, 2021

Science Fellowship. The Graduate Center, City University of New York, 2018

Research Mentoring-Pair Travel Award (RMPTA). American Speech-Language-Hearing Association, 2018

NIH/NIDCD Research Symposium in Clinical Aphasiology Fellowship, 2018

Federal Government Scholarship (Nigeria), 2015

Best graduating student with distinction, Department of Special Education and Speech Pathology and Audiology graduate class (masters' degree), 2015

University of Ibadan Scholar. University of Ibadan, 2015

Best graduating student and Departmental Prize. University of Ibadan, 2012.

SERVICES AND MEMBERSHIP

2018 – Present Member, Academy of Aphasia

Journal Reviewed

Journal of Speech, Language and Hearing Research (JSLHR)

Services

- 2023-Present Faculty Member, SLP Graduate Program Committee, USF.
- 2019-2021: Student Member, Executive Committee, Speech-Language-Hearing Sciences program, The Graduate Center, City University of New York.
- 2018: Co-Founder, Inclusive Education and IEP Center (IEIEPC)
Lagos, Nigeria
Website: <https://ieiepc.com/welcome/our-team/>
Reported events in top Nigerian tabloids:
<https://www.vanguardngr.com/2019/04/ieiepc-decries-absence-of-education-standard/>
<https://guardian.ng/tag/ieiepc/>
- 2014-2015: Team Lead, Inclusive City Project, National Youth Service Corps, Osun Nigeria
Led a team that trained teachers in Osun on early identification, accommodation, and remediation for students with special needs. Wrote and distributed over 300 learning resources for free. Trained over 300 teachers and measured their attainment of the learning outcomes through self-developed questionnaires.