

MANUEL JOSE MARTE

June 2022

Aphasia Research Laboratory
Boston University
635 Commonwealth Avenue
Boston, MA 2215

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EDUCATION

2025 **Ph.D., Speech, Language & Hearing Sciences[†]**
Boston University

2016 **M.S., Communication Disorders**
State University of New York at New Paltz

2014 **B.A., Speech & Hearing Science**
University at Buffalo

RESEARCH INTERESTS

Aphasia, Bilingualism, Health Disparities, Neuroimaging

RESEARCH EXPERIENCE

Boston University

2020–Present **Doctoral Student Research Assistant.**
Aphasia Research Laboratory.
PI: Swathi Kiran.

State University of New York at New Paltz

2015–2016 **Graduate Student Research Assistant.**
Department of Communication Disorders.
PI: Dana Arthur & Inge Anema.

University at Buffalo

2013–2014 **Undergraduate Student Research Assistant**
Center for Orofacial Pain Research.
PI: Richard Ohrbach.

PEER-REVIEWED PUBLICATIONS

1. **Marte M. J.**[‡], Carpenter, E.[‡], Falconer, I., Scimeca, M., Abdollahi, F., Peñaloza, C. & Kiran, S. (2022). LEX-BADAT: Language EXperience in Bilinguals With and Without Aphasia DATaset. *Frontiers in Psychology*. 13:875928. doi: 10.3389/fpsyg.2022.875928
🔓 [Open Access](#)

WORKING PAPERS

2. **Marte, M. J.**, Peñaloza, C., & Kiran, S. (*in review*). The cognate effect on lexical access in bilingual aphasia: Evidence from the Boston Naming Test.
3. **Marte, M. J.**, Buckshaw, R., Meier, E. L., Peñaloza, C., & Kiran, S. (*in preparation*). Effective connectivity during semantic decisions in Spanish-English bilinguals with aphasia: A case series.

GRANT SUPPORT

2020–2022 *NIH/NIDCD Ruth L. Kirschstein Institutional National Research Service Award*.
Advanced Research Training in Communication Sciences and Disorders: 5T32DC013017-05
PI: Christopher Moore.

HONORS & AWARDS

2021 *NSF Research Traineeship Program–Understanding the Brain: Neurophotronics*
DGE-1633516

2014 *Center for Undergraduate Research & Creative Activities Grant*
University at Buffalo

CONFERENCE POSTERS & PRESENTATIONS

Oral Presentations

- 2022 **Marte, M. J.**, Scimeca, M., Addesso, D., Abdollahi, F., & Kiran, S. (*submitted*). Hispanic Stroke Care in the United States: Insights from Epidemiology, Health Disparity, and Clinical Practice. *American Speech-Language-Hearing Association Convention 2022*, New Orleans, LA.

Poster Presentations

- 2022 **Marte, M. J.**, Addesso, D., Abdollahi, F., & Kiran, S. (*submitted*). U.S. Hispanic ethnicity and stroke- and neurorehabilitation-associated outcomes: Disparity-driven heterogeneity. *16th Annual Eleanor M. Saffran Cognitive Neuroscience Conference*, Philadelphia, PA.
- Scimeca, M., Carpenter, E., **Marte, M. J.**, Combs, A., & Kiran, S. (*submitted*). Enabling access to post-stroke rehabilitation in Hispanic bilinguals with aphasia: Lessons learned and challenges ahead. *16th Annual Eleanor M. Saffran Cognitive Neuroscience Conference*, Philadelphia, PA.

- Carpenter, E., Braun, E. J., **Marte, M. J.**, Scimeca, M., Yücel, M. A., Boas, D. A., & Kiran, S. (*submitted*). Neuroscience in the Everyday World: Cortical Activation during Computer-Based Conversation Tasks Using Integrated fNIRS-EEG. *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia, PA.
- Marte, M. J.**, Billot, A., Peñaloza, C., & Kiran, S. (2022, June). Cross-linguistic effects of a semantic treatment for anomia provided in three languages: Evidence from multilingual aphasia. *International Aphasia Rehabilitation Conference 2022*, Philadelphia, PA.
- 2021 Braun, E. J., Gao, Y., Carpenter, E., **Marte, M. J.**, Scimeca, M., Abdollahi, F., Yücel, M. A., Boas, D. A., & Kiran, S. (2021, October). Use of fNIRS to investigate cortical activation for conversational responses and narrative discourse. *Society for functional Near-Infrared Spectroscopy 2021*, virtual conference.
- Marte, M. J.** & Kiran, S. (2021, October). Influences on cognate facilitation in healthy bilinguals and bilinguals with aphasia. *13th Annual Meeting of the Society for the Neurobiology of Language*, virtual conference.
- 2015 **Marte, M. J.** & Anema, I. (2015, May). Training Effects on Suprasegmental Features in Oral Reading of Non-Native English Speakers. *10th International Symposium on Bilingualism*, New Brunswick, NJ.
- 2014 Oldani, P., Hogan, C., Sauvageau, A., **Marte, M. J.**, Rudz, D., Agulia, B., Hanley, S., Quinn, T., Sharma, S., & Scerra, N. (Mentor: Ohrbach, R.) (2014, November). The effects of varying levels of repeated anodal transcranial direct current stimulation (tDCS) of the motor cortex on visuo-motor task performance. *Biomedical Engineering Society 2014 Annual Meeting*, San Antonio, TX.

INVITED TALKS

- 2017 **Marte, M. J.** Augmentative Communication. *New York State Occupational Therapy Association Conference*, Albany, NY.

TEACHING

Workshops

- 2021 *Principal Component Analysis in Aphasia Research*.
Aphasia Research Laboratory, Boston University.

Guest Lectures

Emerson College

Topics in Bilingual Aphasia.

CD 690 Aphasia

Summer 2021, Spring 2022, Summer 2022

Teaching Assistant

State University of New York at New Paltz

CMD 301 Speech Science

Spring 2015, Spring 2016

CMD 305 Hearing Science

Fall 2014, Fall 2015

CMD 310 Anatomy & Physiology of the Speech and Hearing Mechanism

Fall 2014, Fall 2015

ACADEMIC MENTORSHIP & SUPERVISION

2022 Sofia Garcia Martinez (University of Illinois at Chicago '23)

M.S. in Biomedical Visualization, Master's Thesis Deliverable

2021 David Addesso (Boston University '22)

Undergraduate Research Opportunities Program (UROP) Mentee

2021 Hongli Zheng (Boston University '22)

UROP Mentee

2021 Emily Benson-Tyler (Port Washington High School '22)

Research in Science & Engineering Program Mentee; Regeneron Science Talent Search

SERVICE

Events

2022 *Massachusetts High School Science & Engineering Fair*

Judge

2022 *BIG BRAIN WORKSHOP 2022*

Session Chair

2021 *46th Annual Boston University Conference on Language Development*

Talk and Poster Moderator

Ad-hoc Reviewer

2021 *Brain Communications*

DEVELOPMENT ACTIVITIES

2022 ASHA S.T.E.P. Mentee

2021 SPARK Mentee

2021 National Science Foundation Research Traineeship Program

Understanding the Brain: Neurophotonics

SELECTED CLINICAL EXPERIENCE

2016–2020 *Northeast Center for Rehabilitation and Brain Injury, NY.*

Speech–Language Pathologist and Practicum Supervisor. Evaluation and treatment services for adults with augmentative and alternative communication needs, ventilator dependency, executive dysfunction, pragmatic deficits, short- and long-term memory deficits, disorders of consciousness, voice, language, motor speech, auditory processing, neurogenic fluency, cognitive communication, and feeding and swallowing disorders. Mentoring and oversight of graduate-level student clinicians in this setting.

2018–2020 *Ghent Rehabilitation and Nursing Center, NY*

Speech–Language Pathologist. Evaluation and treatment services for older adults with dementia, short- and long-term memory deficits, language, cognitive communication, and feeding and swallowing disorders.

PROFESSIONAL LICENSES AND CERTIFICATIONS

Certificate of Clinical Competence from the American Speech–Language–Hearing Association

Massachusetts Professional Licensure in Speech–Language Pathology

New York Professional Licensure in Speech–Language Pathology

PROFESSIONAL MEMBERSHIPS

ASHA SIG 2: Neurogenic Communication Disorders

ASHA SIG 14: Cultural and Linguistic Diversity

Society for the Neurobiology of Language

SPARK Society

MISCELLANEOUS

Languages: English (native), Spanish (native), Italian (~A1).

Programming: R/RStudio, MATLAB, L^AT_EX.

Software/UI: Qualtrics, Computerized Language ANalysis (CLAN), Adobe Illustrator, Microsoft Office.

[†]anticipated.

[‡]shared first authorship.