MANUEL JOSE MARTE

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Aphasia Research Laboratory
Boston University
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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, Multivariate Analyses, Neuroimaging

RESEARCH EXPERIENCE

Boston University

Doctoral Student Research Assistant. 2020–Present.

Predicting Rehabilitation Outcomes In Bilingual Aphasia Using Computational Modeling.

Intensive Integrated Rehabilitation Program for Individuals with Brain Injury and Stroke.

PI: Swathi Kiran.

State University of New York at New Paltz

Graduate Student Research Assistant. 2015–2016.

Influences on Nonword Repetition in Young Children.

PI: Dana Arthur.

Training Effects on Suprasegmental Features in Oral Reading of Non-Native English Speakers.

PI: Inge Anema.

University at Buffalo

Undergraduate Student Research Assistant. 2013–2014.

Transcranial Direct Current Stimulation (tDCS) to Enhance Motor Learning in Healthy Subjects.

PI: Richard Ohrbach.

WORKING PAPERS

1. **Marte, M. J.**, Buckshaw, R., Meier, E. L., Peñaloza, C., & Kiran, S. (*under review*). Effective connectivity during semantic decisions in Spanish-English bilinguals with aphasia: A case series.

2. **Marte, M. J.**[‡], Carpenter, E.[‡], Scimeca, M., Falconer, I., Abdollahi, F., Peñaloza, C., & Kiran, S. LEX-BADAT: Language EXperience in Bilinguals with and without Aphasia DATaset.

3. **Marte, M. J.**, Peñeloza, C., & Kiran, S. Bilingual aphasia and cognate advantage: Language experience modulates the facilitatory effect.

GRANT SUPPORT

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

HONORS & AWARDS

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

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

CONFERENCE POSTERS & PRESENTATIONS

2021 Braun, E. J., Gao, Y., Carpenter, E., **Marte, M. J.**, Scimeca, M., Abdollahi, F., Yücel, M., Boas, D. A., & Kiran, S. (submitted). Use of fNIRS to investigate cortical activation for conversational responses and narrative discourse. *Society for functional Near-Infrared Spectroscopy 2021*, virtual conference.

2021 **Marte, M. J.** & Kiran, S. (accepted). 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.** & 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.**, 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

Guest Lectures

    Topics in Bilingual Aphasia.
    Emerson College
    CD 690 Aphasia – Summer 2021

Workshops

    Principal Component Analysis in Aphasia Research.
    Aphasia Research Laboratory, Boston University – March 2021

State University of New York at New Paltz

Teaching Assistant

    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

Lab Instructor

    CMD 301 Speech Science – Lab: Spring 2015, Spring 2016

ACADEMIC MENTORSHIP & SUPERVISION

    Emily Benson-Tyler (Port Washington High School '22)
    Research in Science & Engineering Program (RISE) Mentee

SELECTED CLINICAL EXPERIENCE

    Northeast Center for Rehabilitation and Brain Injury, NY. 2016–2020.
    Speech–Language Pathologist and Clinical Supervisor. Evaluation and treatment services for adults with augmentative and alternative communication needs, ventilator dependency, executive

dysfunction, pragmatic deficits, short-term and long-term memory deficits, disorders of consciousness, voice, language, motor speech, auditory processing, neurogenic fluency, cognitive communication, and feeding and swallowing disorders.

Ghent Rehabilitation and Nursing Center, NY. 2018–2020.
Speech–Language Pathologist. Evaluation and treatment services for older adults with dementia, short-term 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

New York Professional Licensure in Speech–Language Pathology

Massachusetts 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, LaTeX.

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

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†anticipated.
‡shared first authorship.