

# MANUEL JOSE MARTE

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Aphasia Research Laboratory  
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## EDUCATION

2025 **Ph.D., Speech, Language & Hearing Sciences<sup>†</sup>**  
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. Effective connectivity during semantic decisions in Spanish-English bilinguals with aphasia: A case series.
2. **Marte, M. J.**<sup>‡</sup>, Carpenter, E.<sup>‡</sup>, 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.**, Peñaloza, 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: Neuropotonics*  
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

### *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, L<sup>A</sup>T<sub>E</sub>X.

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

<sup>†</sup>anticipated.

<sup>‡</sup>shared first authorship.