Yina Quique, PhD

I am a clinician-scientist committed to improving rehabilitation outcomes and healthcare services for stroke survivors with aphasia. I am especially interested in developing culturally-sensitive and language-specific interventions for Spanish speakers with aphasia.

🎓 Education

2020 — Current

Postdoctoral Fellow
Northwestern University & Shirley Ryan AbilityLab, Chicago, IL

2015 — 2019

Ph.D. Communication Science and Disorders
University of Pittsburgh, Pittsburgh, PA

• Dissertation: Get in Sync: Entrainment Mechanisms and Individual Characteristics Associated with Scripted-Sentence Learning in Aphasia

2010 — 2012

M.S., Music Therapy
National University of Colombia, Bogota, Colombia

2002 — 2006

B.A., Speech and Language Pathology
National University of Colombia, Bogota, Colombia

💼 Appointments & Positions

2020 — Current

Postdoctoral Fellow, NIDILRR Advanced Rehabilitation Research Training (AART)
Center for Education in Health Sciences
Northwestern University
Mentors: Leora Cherney, Allen Heinemann, Cindy Nowinski,

2017 — 2019

Lab Manager and Graduate Research Assistant
Language Rehab and Cognition Lab
University of Pittsburgh
PI: William S. Evans,

2015 — 2019

Graduate Student Researcher
Language and the Brain Lab
University of Pittsburgh
PI: Michael W. Dickey,

2016 — 2017

Research Associate, WOC
Department of Speech Pathology and Audiology
VA Pittsburgh Healthcare System,

2012 — 2015

Research and Teacher Assistant
Manuela Beltran University
Speech Pathology Lab
PI: Ana Vega,

Contact

- ✉ yinaquique@northwestern.edu
- 🔗 yinaquique.netlify.app
- ⭕ Github
- 🆔 0000-0001-9129-4742
- 🐦 Twitter

Key Interests

- 📈 Aphasia treatment outcomes
- 🌐 Spanish speakers with aphasia
- 👥 Health services and outcomes research
- 🖥 Technology for aphasia rehabilitation

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Last updated on 2022-08-17.

Grant Support

2021 — NIDILRR Advanced Rehabilitation Research Training (AART)
Role: Postdoctoral Fellow

2020 — PhD Scholarship from the Council of Academic Programs in Communication Sciences and Disorders (CAPCSD)
Role: Predoctoral Fellow

2019 — New Century Scholars Doctoral Scholarship. American Speech-Language-Hearing Foundation
Role: Predoctoral Fellow

2019 — School of Health and Rehabilitation Sciences Doctoral Student Award
Role: Predoctoral Fellow

2017 — Tinker Summer Research Grant, Center for Latin American Studies, University of Pittsburgh
Role: Predoctoral Fellow

2015 — 2019 — Fulbright Program Scholarship. US Department of State
Role: Predoctoral Fellow

Publications

in revision — **Quique, Y.,** Ashaie, S., Babbit, E., Hurwitz, R., Cherney, L., (in revision). Fatigue influences social participation in aphasia: a cross-sectional and retrospective study using patient-reported measures.

in revision — Cavanaugh, R., **Quique, Y.,** Swiderski, A., Kallhoff, L., Terhorst, L., Wambaugh, J., Hula, W., Evans, W. (in revision). Reproducibility in small-N treatment research: a tutorial through the lens of aphasiology

in press — Forero, L., Bernal, M., Aguilar, O., **Quique, Y.** (in press). Aphasia Treatments for Spanish Speakers With Aphasia: A Scoping Review. (available in Spanish)

2022 — **Quique, Y.,** Cavanaugh, R., Lescht, E., & Evans, W. S. (2022). Applying adaptive distributed practice to self-managed computer-based anomia treatment: A single-case experimental design. Journal of Communication Disorders, 99, 106249.

2022 — Gnanateja, G. N., Devaraju, D. S., Heyne, M., **Quique, Y.,** Sitek, K., Tardif, M., … & Dial, H. R. (2022). On the role of neural oscillations across timescales in speech and music processing. Frontiers in Computational Neuroscience.

2022 — Nguy, B., **Quique, Y.,** Cavanaugh, R., Evans, William S. (2022) Representation in aphasia research: an examination of US treatment studies published between 2009 and 2019. American Journal of Speech-Language Pathology. 31(3). 1424-1430

2022   Cavanaugh, R., **Quique, Y.,** Dickey, M.W., Hula, W.D., Boss, E., Evans, William S. (2022) Practice-related predictors of semantic feature verification treatment for aphasia. American Journal of Speech-Language Pathology. 1–12. Advance online publication.

2022   **Quique, Y.,** Evans, W., Ortega-Llebaria, M., Zipse, L., M., & Dickey, M. (2022) Get in sync: Active Ingredients and Patient Profiles in Scripted-Sentence Learning in Spanish Speakers with Aphasia. Journal of Speech, Language, and Hearing Research. 65(4), 1478–1493.

2021   **Quique, Y**., Swiderski, A. M., Hula, W., & Dickey, M. (2021). Treatment of Underlying Forms: A Bayesian meta-analysis of the effects of treatment and person related variables on treatment response. Journal of Speech, Language, and Hearing Research. 64(11), 4308–4328. **Shared first authorship**

2021   Cavanaugh, R., Kravetz, C., Jarold, L., **Quique, Y.,** Turner, R., & Evans, W. S. (2021). Is There a Research-Practice Dosage Gap in Aphasia Rehabilitation?. American Journal of Speech-Language Pathology, 30(5), 2115–2129.

2021   Evans, WS, Cavanaugh, R.B., **Quique, Y**, Boss, E, Starns, J.J., Hula, W.D. (2021). Playing with BEARS: Balancing Effort, Accuracy, and Response Speed in a Semantic Feature Verification Anomia Treatment Game. Journal of Speech, Language, and Hearing Research.

2021   Evans, WS, **Quique, Y**. (2021). Understanding speed-accuracy processing dynamics in aphasia using response time modeling. Seminars in Speech and Language. Jun;42(3):240-255.

2020   Evans, W. S., Hula, W.D., **Quique, Y.**, Starns, J.J. (2020). How much time do people with aphasia need to respond during picture naming? Estimating optimal response time cutoffs using a multinomial ex-gaussian approach. Journal of Speech, Language, and Hearing Research. 1–16.

2019   **Quique, Y.** M., Evans, W. S., & Dickey, M. W. (2019) Acquisition and generalization responses in aphasia naming treatment: a meta-analysis of Semantic Feature Analysis outcomes. American Journal of Speech-Language Pathology, 28(1S), 230-246.

💼 Refereed Presentations

2022   Babbitt, E., **Quique, Y.,** Ginsberg-Jaeckle, M., Larkin, E., Escarcega, S., Cherney, L., (2022) Training Interpreters in Aphasia Assessments: A Pilot Study. Abstract for poster presentation, 51th annual Clinical Aphasiology Conference

2021   **Quique,Y.**, Cavanaugh, R.B., Starns, J.J., Boss, E., Hula, W.D., and Evans, W.S. (2020). Estimating the speed-accuracy tradeoff "Sweet Spot" in language performance for people with aphasia: replication and extension of a diffusion-model based approach. Abstract for poster presentation, 50th annual Clinical Aphasiology Conference

2021 — Cavanaugh, R.B., **Quique, Y**., Boss, E, Hula, W.D., and Evans, W.S. (2020). Practicing with BEARS: Active Ingredients in Semantic Feature Analysis. Abstract for poster presentation, 51st annual Clinical Aphasiology Conference, Online

2021 — Evans, W.S., Cavanaugh, R.B., **Quique, Y.**, Boss,E., Dickey, M.W., Doyle , P, Starns,J.J.,and Hula, W.D., (2021) BEARS-Balancing Effort, Accuracy, and Response Speed in semantic feature verification anomia treatment. Abstract for platform presentation, 50th annual Clinical Aphasiology Conference

2021 — Cavanaugh, R.B., Kravetz, C., Jarold, L., **Quique, Y.**, Turner, R., Evans, W.S. Is there a research-practice dosage gap in aphasia rehabilitation? Abstract for poster presentation, Aphasia Access Leadership Summit, online.

2020 — **Quique, Y.**, Evans, WS., Zipze, L., Dickey, MW., (2020) Get in sync: rhythm in speech entrainment as a mechanism for scripted-sentence learning in aphasia. Abstract for poster presentation, annual Academy of Aphasia.

2019 — Evans, WS., **Quique, Y.**, Hula, WD., and Starns, J. (2019) How much time do PWA need for naming? Platform presentation, annual Clinical Aphasiology Conference. Whitefish, Montana.

2018 — **Quique, Y.**, Dresang, H., Dickey, MW. (2018) Semantic memory for objects, actions & events in Colombian people with aphasia. Abstract for research symposium in Clinical Aphasiology selected poster presentation, annual Clinical Aphasiology Conference. Austin, Texas.

2017 — **Quique, Y.**, Evans, WS and Dickey, MW. Acquisition & generalization responses in aphasia naming treatment: a meta-analysis of semantic feature analysis outcomes. (2017) Abstract for Research Symposium in Clinical Aphasiology selected poster presentation, annual Clinical Aphasiology Conference. Snowbird, Utah.

2017 — **Quique, Y**. & Dickey, M. Syntactical processing of musical and linguistic information. (2017) Abstract for the Society for Music Perception and Cognition (SMPC) conference. San Diego, July 30-Aug 3, 2017.

2016 — **Quique, Y.**, Dickey, MW. (2016). Acquisition & generalization responses in aphasia naming treatment: a meta-analysis of semantic feature analysis outcomes. Abstract for ASHA convention Technical Session. Philadelphia, Pennsylvania.

🏛 Teaching

2022 — Introduction to aphasia. Invited by Dr. Natalia Santamaria Laorden. Ramapo College

  • Guest Lecture: So, what's aphasia?

2022 — FOQUSAphasia. Invited by Dr. Brielle Stark

  • Guest Lecture: Let's Talk about Spanish Speakers with Aphasia

| 2021 | Conversations about aphasia treatment (in Spanish). Invited by Universidad Nacional de Colombia |

| 2021 | Adult Neurogenic Disorders. University of Minnesota. Invited by Dr. Natalie Covington |

• Guest Lecture 1: Rhythm in aphasia interventions
• Guest Lecture 2: Case studies in adult neurological communication disorders

| 2019 | Achievement in Pedagogy Badge, University Center for Teaching and Learning - University of Pittsburgh |

| 2013 | College teaching. Online Education Center – Manuela Beltran University. Bogota, Colombia |

Honors and Awards

| 2022 | NIH-NIMHD Health Disparities Research Institute |

| 2020 | NIH-NIDCD Fellowship: Research Symposium in Clinical Aphasiology |

| 2018 | National Institute on Deafness and Other Communication Disorders (NIDCD) sponsored. Academy of Aphasia Young Investigator Fellowship |

| 2018 | Summer School on Statistical Methods for Linguistics and Psychology |

| 2018 | Research Mentoring-Pair Travel Award for the ASHA convention |

| 2018 | NIH-NIDCD Fellowship: Research Symposium in Clinical Aphasiology |

| 2017 | NIH-NIDCD Fellowship: Research Symposium in Clinical Aphasiology |

| 2017 | Minority Student Leadership Program. ASHA Convention. Los Angeles, CA |

| 2016 | Academy of Neurologic Communication Disorders and Sciences (ANCDS) Student Fellow |

| 2013 | National University of Colombia Graduate Fellowship. (2 years full tuition) |

Certification, Licensure, Memberships, and Service

| 2018 — Current | Member, Collaboration of Aphasia Trialists (CATs). Societal Impact and Reintegration Research Group. Assessment and Outcomes Working Group. |

| 2016 — Current | Member, Society for Music Perception and Cognition (SMPC). |

| 2015 — Current | Member, Center for Latin American Studies (CLAS). |

| 2020 — Current | Member, National Association of Medical Spanish (NAMS). |