

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






- 2021 —
Current • Postdoctoral Fellow
Northwestern University & Shirley Ryan AbilityLab, Chicago, IL
- 2015 —
2020 • 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

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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 2023-08-05.



Grant Support

- 2022 • NIDILRR Switzer Research Fellowship
Role: PI
- 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

- 2023 • **Quique, Y.**, Ashaie, S., Babbitt, E., Hurwitz, R., Cherney, L., (2023). Fatigue influences social participation in aphasia: a cross-sectional and retrospective study using patient-reported measures. Archives of Physical Medicine and Rehabilitation. S0003-9993(23)00148-X. Epub ahead of print.
- 2023 • Forero, L., Bernal, M., Aguilar, O., **Quique, Y.** (2023). Aphasia Treatments for Spanish Speakers With Aphasia: A Scoping Review. Revista de Investigación en Logopedia, 13(1), e81535. (available in Spanish)
- 2023 • Cavanaugh, R., **Quique, Y.**, Swiderski, A., Kallhoff, L., Terhorst, L., Wambaugh, J., Hula, W., Evans, W. (2023). Reproducibility in small-N treatment research: a tutorial through the lens of aphasiology. Journal of Speech, Language, and Hearing Research. 6(66). 1908-1927
- 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

- 2023 • Martínez-Ferreiro, S., **Quique, Y.**, Mendez-Orellana, C., (2023). From the CAT to the SP-CAT: The language battery. Abstract for poster presentation, 8th Nordic Aphasia Conference.
- 2023 • **Quique, Y.** Diversidad en la investigación en la afasia. 2023 Observatorio Instituto Cervantes Symposium. Instituto Cervantes at Harvard University.

- 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., Zippe, 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

- 2023 • Annual Sarah Baskin Research Manuscript Award. Category Postdoctoral Research Fellow. Shirley Ryan Ability Lab
- 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).