

# 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 — 2023 • 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





- 2023 — Current • Fogarty Global Health Fellow  
HBNU Global Health Fellows Consortium  
Sponsored by the Fogarty International Center, National Institutes of Health (NIH)  
Mentors: Leora Cherney & Patricia Garcia, Colombia & Peru
- 2021 — 2023 • Postdoctoral Fellow, NIDILRR Advanced Rehabilitation Research Training (AART)  
Center for Education in Health Sciences  
Northwestern University  
Mentors: Leora Cherney, Allen Heinemann, Cindy Nowinski,
- 2017 — 2020 • Lab Manager and Graduate Research Assistant  
Language Rehab and Cognition Lab  
University of Pittsburgh  
PI: William S. Evans,
- 2015 — 2020 • 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,



## 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 2024-05-22.

2012 —  
2015

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



## 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

2024

- Martínez Ferreiro, S., **Quique, Y.**, Rodríguez, V., Méndez Orellana, C., (2024) Linguistic and cultural properties of the Spanish adaptation of the CAT (SP-CAT): pilot results from neurotypical subjects. Aphasiology (e-pub ahead of issue). **Shared first authorship**

2024

- **Quique, Y.**, Dickey, M., Dresang, H., (2024). Preliminary investigation of semantic memory assessments in Colombian adults with and without post-stroke aphasia. Neurology Perspectives, 4(1), 100139.

2023

- **Quique, Y.**, Gnanateja, GN., Dickey M., Evans W., Chandrasekaran B (2023). Examining cortical tracking of the speech envelope in post-stroke aphasia. Front. Hum. Neurosci. 17:1122480.

- 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*, 104(8), 1282–1288
- 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*, 31(5S), 2366–2377.
- 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*, 63(2), 599–614.
- 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

- 2024 ● Invited by Invited by the Temerty Faculty of Medicine, University of Toronto, Leadership Rehab Rounds. Webinar on May 15, 2024.
  - Guest speaker: Culturally-sensitive and adaptive interventions for aphasia
- 2023 ● Invited by Universidad de los Andes. Nov 22, 2023. Auditorio Mario Laserna. Bogota, Colombia
  - Panelist: "Stroke and its consequences: realities and myths [ACV y sus secuelas: realidades y mitos]"
- 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).