

Natalie S. Pak

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EDUCATION

Institution	Degree	Years	Areas of Study
Peabody College, Vanderbilt University Nashville, TN	PhD	2018–2023	<ul style="list-style-type: none">• Early Childhood Special Education• Research Methodology <p>Adviser: Ann P. Kaiser, PhD Dissertation: <i>EMT en Español Para Autismo</i>: A Single Case Design Study</p>
University of Kansas Lawrence, KS	MA	2013–2015	<ul style="list-style-type: none">• Speech-Language Pathology <p>Adviser: Marc Fey, PhD</p>
University of Kansas Lawrence, KS	BA (Highest Distinction)	2009–2013	<ul style="list-style-type: none">• Speech-Language-Hearing• Spanish Language & Literature• Linguistics

CURRENT CERTIFICATIONS

State of Tennessee Speech Pathologist License #6526
ASHA Certificate of Clinical Competence in Speech-Language Pathology

RELEVANT EMPLOYMENT

2023–present Assistant Professor
Department of Communication Sciences and Disorders
University of South Florida, Tampa, FL

2018–2023 Graduate Research and Teaching Assistant
Department of Special Education
Vanderbilt University, Nashville, TN

2015–2018 Speech-Language Pathologist
Widefield School District 3, Colorado Springs, CO

AWARDS/HONORS

2023	Melvin I. Semmel Dissertation Research Award Department of Special Education, Vanderbilt University
2022	Robert Gaylord-Ross Award for Excellence in Scholarly Writing Department of Special Education, Vanderbilt University
2020–2023	Doctoral Scholar, <i>A Junior Colleague Approach for Preparing Leaders to Improve Social and Behavioral Outcomes for Young Children with Disabilities (JCAP)</i> , Department of Education (H325D180095), Ann Kaiser, PI
2019–2021	Bridging the Word Gap Research Network Emerging Scholar Judith Carta, PI; Carol Hammer, Scientific Mentor
2019	ASHA Research Mentoring-Pair Travel Award
2015	William M. Diedrich Award for Outstanding Student in Speech-Language Pathology

GRANT FUNDING

Pending

12/01/2024–12/31/2025	ASHFoundation New Investigators Research Grant <i>EMT en Español Para Autismo Using a Rapid Coaching Approach</i> Role: Principal Investigator
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Not Funded

11/01/2024–10/31/2029	NIDCD R01 (RFA-DC-24-007) <i>+Language is Medicine: A Language Nutrition Intervention for Late Talkers on the Navajo Nation</i> Role: Co-Investigator (PI: Allison-Burbank)
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PEER-REVIEWED PUBLICATIONS

- Pak, N. S.**, Peredo, T. N., Madero Ucero, A. P., & Kaiser, A. P. (2024). EMT en Español Para Autismo: A collaborative communication intervention approach and single-case design pilot study. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-024-06322-5>
- Pak, N. S.**, Chow, J., Dillehay, K. M., & Kaiser, A. P. (2023). Long-term effects of early communication interventions: A systematic review and meta-analysis. *Journal of Speech, Language, and Hearing Research*, 66, 2884–2899. https://doi.org/10.1044/2023_JSLHR-22-00711
- Pak, N. S.**, Bailey, K. M., Ledford, J. R., & Kaiser, A. P. (2023). Comparing interventions with speech-generating devices and other AAC modes: A meta-analysis. *American Journal of Speech-Language Pathology*, 32, 786–802. https://doi.org/10.1044/2022_AJSLP-22-00220
- Chazin, K. T., Ledford, J. R., & **Pak, N. S.** (2021). A systematic review of augmented input interventions and exploratory analysis of moderators. *American Journal of Speech-Language Pathology*, 30, 1210–1223. https://doi.org/10.1044/2020_AJSLP-20-00102
- Fiorentino, R., Politzer-Ahles, S., **Pak, N. S.**, Martinez-Garcia, M. T., & Coughlin, C. (2015). Dissociating morphological and form priming with novel complex word primes: Evidence from masked priming, overt priming, and event-related potentials. *The Mental Lexicon*, 10(3), 413-434. DOI: 10.1075/ml.10.3.05fio
- Kokkinakis, K., & **Pak, N.** (2014). Binaural advantages in users of bimodal and bilateral cochlear implant devices. *J. Acoust. Soc. Am.*, 135(1): EL47-EL53. DOI: 10.1121/1.4831955. Erratum-ibid, 135(5): 3127. DOI: 10.1121/1.4870482

Storkel, H. L., Bontempo, D. E., & **Pak, N. S.** (2014). On-line learning from input versus off-line memory evolution in adult word learning: Effects of neighborhood density and phonologically-related practice. *Journal of Speech, Language, and Hearing Research*, 57, 1708-1721. DOI: 10.1044/2014_JSLHR-L-13-0150

BOOK CHAPTERS

Bailey, K. M., **Pak, N. S.**, Ledford, J. R. (2024). Conducting studies using rapid iterative alternation of conditions. In J. Ledford & D. Gast (Eds.), *Single case research methodology: Applications in Special Education and Behavioral Sciences* (4th ed, pp. 223–246). Routledge Publishing.

Ledford, J. R., Bailey, K. M., **Pak, N. S.** (2024). Analyzing data from studies using rapid iterative alternation. In J. Ledford & D. Gast (Eds.), *Single case research methodology: Applications in Special Education and Behavioral Sciences* (4th ed, pp. 247–261). Routledge Publishing.

CONFERENCE PRESENTATIONS

Oral Presentations

Peredo, T. N., Kaiser, A. P., & **Pak, N. S.** (2024, December 5–7). *10-year research retrospective of Enhanced Milieu Teaching en Español and implications for clinical practice* [Oral Seminar]. 2024 ASHA Convention, Seattle, WA, United States.

Lane, J., **Pak, N. S.**, Bailey, K., & Landa, R. (2024, February 15–17). *Innovations in caregiver training practices and related research design features* [Conference Session]. Conference on Research Innovations in Early Intervention, San Diego, CA, United States.

Goldstein, H., Kirby, M., Ferron, J., & **Pak, N. S.** (2024, February 15–17). *Early intervention systematic reviews and meta-analysis: Context matters?* [Conference Session]. Conference on Research Innovations in Early Intervention, San Diego, CA, United States.

Pak, N. S., Peredo, T. N., Dillehay, K. M., Madero Ucero, A. P., & Kaiser, A. P. (2023, November 16–18). *EMT en Español para Autismo: A Spanish-Language Culturally Adapted Early Communication Intervention*. [Oral Seminar]. 2023 ASHA Convention, Boston, MA, United States.

Pak, N. S., Dillehay, K. M., Chow, J. M., Wilkerson, C. M., & Kaiser, A. P. (2022, November 17–19). *Do effects of early communication interventions last? A meta-analysis* [In-Person Technical Research Session]. 2022 ASHA Convention, New Orleans, LA, United States.

Pak, N. S. (2022, May 10–12). *Meta-analysis of comparisons of high-tech and other AAC modes for young children* [Oral Presentation]. Doctoral Student AAC Research Think Tank 2022, State College, PA, United States.

Pak, N. S., Dillehay, K. M., Peredo, T. N., & Kaiser, A. P. (2021, November 18–20). *A tiered framework to determine language targets for dual language learners with language disorders* [Pre-Recorded Technical Session]. 2021 ASHA Convention, Washington, D. C., United States.

Pak, N. S. (2020, February 26–27). *Sentence diversity of dual language learners of Spanish and English with language impairment* [Presentation]. Bridging the Word Gap Research Network Preconference Proceedings at the 2020 Conference on Research Innovations in Early Intervention, San Diego, CA, United States.

Kaiser, A. P., **Pak, N. S.**, Heidlage, J. K., Hampton, L. H., & Fuller, E. A. (2019, November 21–23). *Optimizing interventions: Using blended discrete trial training and enhanced milieu teaching to improve language and communication outcomes for children with ASD* [Oral Seminar]. 2019 ASHA Convention, Orlando, FL, United States.

Poster Presentations

- Pak, N. S.,** Dillehay, K. M., Peredo, T. N., & Kaiser, A. P. (2024, December 5–7). *Measurement of caregiver intervention fidelity for EMT en Español Para Autismo* [Virtual On-Demand Poster Presentation]. 2024 ASHA Convention, Seattle, WA, United States.
- Bailey, K. M., Rodgers, M., Reilly, M., Nalley, A., **Pak, N. S.,** & Kaiser, A. P. (2024, December 5–7). *Relating caregiver linguistic input to later language intervention outcomes in children with autism* [Poster Presentation]. 2024 ASHA Convention, Seattle, WA, United States.
- Bailey, K.M., **Pak, N.S.,** Ledford, J.L., & Kaiser, A.P. (2023). *The use of rapid iterative alternation designs in early intervention research* [Poster Session]. Wing Institute Single-Case Conference (WISSC), Nashville, TN, United States.
- Pak, N. S.,** Dillehay, K. M., Wilkerson, C., Chow, J. C., & Kaiser, A. P. (2022, November 1). *Durability of early communication interventions: A meta-analysis* [Poster Session]. 2022 Vanderbilt Kennedy Center Science Day, Nashville, TN, United States.
- Pak, N. S.,** Dillehay, K. M., Wilkerson, C., Chow, J. C., & Kaiser, A. P. (2022, June 2–4). *A systematic review of long-term outcomes from early childhood communication interventions* [Poster Session]. The Symposium on Research in Child Language Disorders, Madison, WI, United States.
- Pak, N. S.,** & Ledford, J. R. (2022, February 10–12). *Systematic review and meta-analysis comparing children's mastery of high-tech and low-tech AAC* [General Poster]. Conference on Research Innovations in Early Intervention, San Diego, CA, United States.
- Pak, N. S.,** Hammer, C. S., Galindo, M., Hadley, P., & Kaiser, A. (2021, November 5). *Exploration of a novel measure of young dual language learners' grammatical development* [Poster Session]. 2021 Vanderbilt Kennedy Center Science Day, <https://vkc.vumc.org/vkc/scienceday/>, Virtual.
- Pak, N. S.,** Hammer, C. S., Galindo, M., Hadley, P., & Kaiser, A. (2021, April 7–9). *Associations between sentence diversity and common language measures in young dual language learners* [Poster Session]. Society for Research on Child Development 2021 Virtual Biennial Meeting, <https://www.srkd.org/event/srkd-2021-biennial-meeting>, Virtual.
- Cunningham, J., Rodgers, M. E., **Pak, N. S.,** & Kaiser, A. (2020, November 30–December 3). *Measuring and analyzing multiple dimensions of language support in Head Start and childcare classrooms* [Poster Session]. Administration for Children and Families' National Research Conference on Early Childhood 2020, www.nrcec.net, Virtual.
- Dillehay, K. M., **Pak, N. S.,** Lopez, N., Peredo, T., Mancilla-Martinez, J., & Kaiser, A. P. (2020, February 27–29). *Latino caregiver values, practices, and beliefs about children's language development* [Poster Session]. Conference on Research Innovations in Early Intervention, San Diego, CA, United States.

TEACHING EXPERIENCE

- 2024, Spring Instructor
SPA 6559 Augmentative and Alternative Communication
University of South Florida, College of Behavioral and Community Sciences
Department of Communication Sciences and Disorders
Level: Graduate (Master's)
Class Size: 24
- 2023, Fall Instructor
SPA 3004 Introduction to Language Development and Disorders

University of South Florida, College of Behavioral and Community Sciences
Department of Communication Sciences and Disorders
Level: Undergraduate
Class Size: 36

- 2023 Presenter
ECiDC Research Seminar Meta-Analysis Workshop
Vanderbilt University, Department of Special Education
Co-Presenter: Jason Chow, PhD
Level: Graduate
- 2019–2023 Teaching Assistant
SPED 7800 Speech and Language for Exceptional Learners
Vanderbilt University, Department of Special Education
Instructor: Ann P. Kaiser, PhD
Level: Graduate
Role: developed syllabus and assignments, lectured and guided class discussions, graded assignments and provided student feedback
- 2020–2022 Teaching Assistant
SPED 7100 Advanced Issues in Family Intervention
Vanderbilt University, Department of Special Education
Co-Instructor: Kelsey M. Dillehay, MEd
Level: Graduate
Role: co-instructor; developed syllabus and assignments, lectured and guided class discussions, graded assignments and provided student feedback
- 2020-2022 Guest Lecturer (1 hour each year)
Speech and Language in Special Education
Introduction to Exceptionality
Special Education, Vanderbilt University
Level: Undergraduate
- 2022 Presenter
Basics of Augmentative and Alternative Communication
Susan Gray School, Vanderbilt University
- 2022 Presenter
Assistive Technology and IDEA
Volunteer Advocacy Project, Nashville, TN

SERVICE

- 2024– Peer review for *Child Language Teaching and Therapy*
2023– Peer review for *Journal of Research in Childhood Education*
2023–2024 Open Rank Faculty Search Committee
2020–2021 Department of Special Education Representative
Graduate Student Council, Vanderbilt University

PROFESSIONAL MEMBERSHIPS

2024–present Florida Association of Speech Language Pathologists and Audiologists (FLASHA)
2015–present American Speech-Language-Hearing Association (ASHA)
2013–present Phi Beta Kappa Society

LANGUAGES

English – native
Spanish – proficient

TRAINING

2024–2025 Protégé of the ASHA Pathways early career mentorship program