

## Natalie S. Pak

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### EDUCATION

Institution	Degree	Years	Areas of Study
Vanderbilt University Nashville, TN	PhD	2018–2023	<ul style="list-style-type: none"><li>• Early Childhood Special Education</li><li>• Research Methodology</li></ul> <p>Adviser: Ann P. Kaiser, PhD</p>
University of Kansas Lawrence, KS	MA	2013–2015	<ul style="list-style-type: none"><li>• Speech-Language Pathology</li></ul> <p>Adviser: Marc Fey, PhD</p>
University of Kansas Lawrence, KS	BA (Highest Distinction)	2009–2013	<ul style="list-style-type: none"><li>• Speech-Language-Hearing</li><li>• Spanish Language &amp; Literature</li><li>• Linguistics</li></ul>

### DISSERTATION TITLE

*EMT en Español Para Autismo: A Single Case Design Study*

### 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

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

## AWARDS/HONORS

- 2023 Melvin I. Semmel Dissertation Research Award  
2022 Robert Gaylord-Ross Award for Excellence in Scholarly Writing  
Department of Special Education, Vanderbilt University  
2020–2023 Doctoral Scholar, *A Junior Colleague Approach for Preparing Leaders to Improve Social and Behavioral Outcomes for Young Children with Disabilities (JCAP)*, 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  
2013 Margaret C. Byrne Saricks Undergraduate Research Award  
2013 Allen S. Wilber Scholarship  
2013 Speech-Language-Hearing Departmental Honors

## PEER-REVIEWED PUBLICATIONS

- 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](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](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](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

## CONFERENCE PRESENTATIONS

### Oral Presentations

- Dillehay, K. M., **Pak, N. S.**, Peredo, T. N., & Kaiser, A. P. (2023, November 28–December 1). *A framework for Spanish and English language intervention targets*. [Conference Session]. Division for Early Childhood 39<sup>th</sup> Annual International Conference on Young Children with Disabilities and Their Families, Minneapolis, MN, United States.

- Pak, N. S.**, Peredo, T. N., Dillehay, K. M., Madero, A. P., & Kaiser, A. P. (2023, November 16–18). *EMT en Español para Autismo: A Spanish-Language Culturally Adapted Early Communication Intervention*. [Oral Seminar]. ASHA 2023 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]. ASHA 2021 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

- 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 to be presented at the Single Case Conference, Nashville, TN.
- 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.srcd.org/event/srcd-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](http://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]. General Poster Session at the Conference on Research Innovations in Early Intervention, San Diego, CA, United States.

## RESEARCH EXPERIENCE

- 2018–present Graduate Research Assistant  
Vanderbilt KidTalk, Peabody College, Vanderbilt University  
Lab Director: Ann P. Kaiser, PhD
- Project: Building a culturally derived early language intervention for young children with autism who speak Spanish  
Grant: Vanderbilt University, Scaling Success Grant, April 2022–March 2023  
Role: primary researcher, child interventionist, caregiver trainer, protocol developer, assessor
- Project: *EMT en Español*: Early communication intervention to support school readiness skills for Spanish-speaking toddlers with language delays  
Grant: National Center for Special Education Research (R324A190177)  
Role: bilingual assessor, Spanish- and English-language child interventionist
- Project: Maximizing outcomes for preschoolers with developmental language disorder: Testing the effects of a sequentially targeted naturalistic intervention  
Grant: National Institute on Deafness and Communication Disorders (U01DC017135)  
Role: assessor
- Project: An Efficacy Trial of Enhanced Milieu Teaching Language Intervention Plus Joint Attention, Engagement, and Regulation Intervention for Toddlers with Autism  
Grant: National Center for Special Education Research (R324A150094)  
Role: assessor
- 2014–2015 Graduate Research Assistant  
Language Intervention Laboratory, University of Kansas Medical Center  
Lab Director: Marc Fey, PhD
- 2014–2015 LEND Trainee  
Girls Night Out Project, University of Kansas Medical Center  
Lab Director: Rene Jamison, PhD
- 2013–2014 Graduate Research Assistant  
Electrical Hearing Laboratory, University of Kansas  
Lab Director: Kostas Kokkinakis, PhD
- 2011–2013 Undergraduate Research Assistant  
Neurolinguistics and Language Processing Laboratory, University of Kansas  
Lab Director: Robert Fiorentino, PhD
- 2012 Undergraduate Research Assistant  
Word and Sound Learning Laboratory, University of Kansas  
Lab Director: Holly Storkel, PhD

## TEACHING EXPERIENCE

- 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

- 2020–2021    Department of Special Education Representative  
Graduate Student Council, Vanderbilt University

## PROFESSIONAL MEMBERSHIPS

- 2015–present   American Speech-Language-Hearing Association

2013–present Phi Beta Kappa Society

**LANGUAGES**

English – native  
Spanish – proficient