

Hope Sparks Lancaster, Ph.D.

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Lied Learning & Technology Center
425 N. 30th St.
Omaha, NE 68131

EDUCATION

- 2017 - 2020 Postdoctoral Fellowship, *Eunice Kennedy Shriver* National Institute of Child and Human Development, Arizona State University
- 2015 Ph.D., Hearing and Speech Sciences, Vanderbilt University, Nashville, TN
Advisor: Stephen Camarata, Ph.D.
Dissertation: *Language disorder typologies: Clustering and principal component analysis in the EpiSLI database*
- 2009 B. A., Psychology, University of Illinois at Chicago, Chicago, IL
Research advisor: Susan Goldman, Ph.D.
Thesis: *The influence of refutational text on college students' understanding of air pressure*

PROFESSIONAL APPOINTMENTS AND EMPLOYMENT

- 2020 – present Research Scientist 1, Director of Etiologies of Language and Literacy Lab
Boys Town National Research Hospital, Center for Childhood Deafness, Language and Learning, Omaha, NE
- 2015 – 2017 Postdoctoral Associate, Arizona State University, Dpt. Speech and Hearing Science
Arizona State University, Tempe, AZ (To Drs. Nancy Scherer, Beate Peter)
- 2010 – 2015 Graduate Research Assistant, Dpt. Hearing and Speech Sciences
Vanderbilt University, Nashville, TN (To Drs. Stephen Camarata, Melanie Schuele)
- 2008 – 2009 Research Assistant, Learning Sciences Research Institute
University of Illinois at Chicago, Chicago, IL (To Dr. Susan Goldman)

RESEARCH SUPPORT

EXTRAMURAL

Current funding

1 R01 DC021428-01A1 McGregor (PI) 09/01/2024 - 08/31/2029
Sex and Gender Differences in Language Impairment, Disability, and Service Receipt
Role: Co-I \$2,945,000

Completed funding

1 R03 DC021550-01 Nayak (PI) 09/08/2023 - 08/31/2025
Investigating the Medical Phenome of Speech-language Traits: Risk, Resilience, and Opportunities for Intervention
Role: Consultant \$175,000

1 F32 HD089674-01A1 Lancaster (PI) 08/01/2017-7/31/2020
Genotype-Phenotype Associations in Reading Disorders
Role: Primary Investigator \$183,350

H325D080075 Schuele (PI) 2010 - 2014
US Department of Education Preparation of Leadership Personnel in Child Language and Literacy
Role: Pre-doctoral trainee

Awarded but not funded

URFP-PR90149999-2020 Lancaster 09/01/2020-6/30/2022
Disability Identification & Services Delivery Patterns in VA Schools \$47,788
Role: Project Lead

INTRAMURAL

Current funding

Completed funding

5 P20 GM109023-08 Leibold (PI) 11/06/2020-10/31/2023
Development of Online Tool for Speech-Language Research \$286,401
Role: Project Lead – Project 13

Vanderbilt's Institute for Clinical and Translational Research Voucher (PI), 2012
Second Graders' Book Talk \$2,000

PUBLICATIONS

* Denotes student author; ** Post-doctoral author

Peer Reviewed

25. **Lancaster, H. S.**, Nayak, S., Buttner, A., & Davis, T. N. (in press). Effects of Communication Disorder Status on Risk for Eleven Common Health Conditions in the All of Us Research Program in the USA: A Cross-Sectional Study. *BMJ Open*

24. Little, C. W., **Lancaster, H. S.**, Johnson, R. M.*, Kennedy, P. C., Taylor, J. E., Ganley, C., ... Hart, S. A. (2025). Charting the Shift: Age as a Moderator of the Genetic and Environmental Influences on Reading. *Scientific Studies of Reading*, 1–15. <https://doi.org/10.1080/10888438.2025.2561985>

23. **Lancaster, H. S.**, Smolak, E., Milne, A., Gordon, K., Emerson, S. N., & Selin, C. (2025). Analyzing the Impact of Explicit and Implicit Cognitive Constructs on NVIQ Test Performance: Implications for Children with Neurodevelopmental Disorders, *Language, Speech, and Hearing Services in the Schools*, 56(3), 834-846, https://doi.org/10.1044/2025_LSHSS-24-00056
[...] OSF Preprints, <https://doi.org/10.31219/osf.io/fusr6>

22. Schachter, R. S., Lu, J.*., Goldberg, M. J.*., Knoche, L. L., Wernick, P. D.*., Piasta, S. B., & **Lancaster, H. S.** (2025). A Meta-Analysis of the Effectiveness of Coaching and the Contribution of Coaching Processes to Learning Outcomes for Early Childhood Teachers and Children. *Early Childhood Research Quarterly*, 72(3), 156-169, <https://doi.org/10.1016/j.ecresq.2025.02.014>

21. **Lancaster, H. S.**, Parks, R. M., Bashford, S., Fitzpatrick, D., & Buttner, A. (2025). Enhancing online speech and language assessment: Item development for the Remote Adult Language Experiment (ReAL-E) tool, *Journal of Communication Disorders*, 114, 106496, <https://doi.org/10.1016/j.jcomdis.2025.106496>
[...] OSF Preprints, <https://doi.org/10.31219/osf.io/nrz5y>

20. Nayak, S., Ladanyi, E., Eising, E., Mekki, Y. N., Nitin, R., Bush, C. T., ... Gordon, R. L. (2025). Musical Rhythm Abilities and Risk for Developmental Speech-Language Problems and Disorders: Epidemiological and Polygenic Associations. *Nature Communications*, 16, 8355, <https://doi.org/10.1038/s41467-025-60867-2>
[...] PsyArXiv Preprint, <https://doi.org/10.31234/osf.io/kcgp5>

19. Lien, K.**, Ellis, P.*., Scherer, N., & **Lancaster, H. S.** (2024). A Meta-Analysis of the Relationship Between Speech and Language Development in Children with Nonsyndromic Cleft Palate with or without Cleft Lip. *International Journal of Speech-Language Pathology*, 1 - 13, <https://doi.org/10.1080/17549507.2024.2412610>
[...] OSF Preprints, <https://doi.org/10.31219/osf.io/6fyd8>

18. Wombacher, N. R.*., **Lancaster, H. S.**, Scherer, N. J., Chen, D. G., Kaiser, A., & Yamashita, R. (2024). The Impact of Enhanced Milieu Teaching with Phonological Emphasis (EMT+PE) on the Speech and Language Outcomes for Toddlers with Cleft Palate in Brazil and the United States of America. *International Journal of Speech-Language Pathology*, 27(4), 560-572, <https://doi.org/10.1080/17549507.2024.2342783>

17. Woods, A. D., Ireland, M., Murphy, K. A., & **Lancaster, H. S.** (2024). Go Beyond Compliance: Use IEPs To Answer Strategic Questions and Improve Programs. *Language, Speech, and Hearing Services in Schools*, 55(2), 249-258, https://doi.org/10.1044/2023_LSHSS-23-00084
[...] OSF Preprints. <https://doi.org/10.31219/osf.io/btm7h>
16. Estrera, S.*, **Lancaster, H. S.**, & Hart, S. A. (2023). Genetics and the Science of Reading. *The Reading League Journal*, 4(2), 18 - 26.
15. Tibbits, N.*, **Lancaster, H. S.**, & de Diego Lazaro, B. (2023). Using the Bilingual Expressive One Word Picture Vocabulary Test-IV to Estimate English and Spanish Vocabulary, *Language, Speech, and Hearing Services in Schools*, 54(1), 212-223.
14. **Lancaster, H. S.**, Lien, K.*, Haas, J.*, Ellis, P.* & Scherer, N. (2022). Reading development in children with nonsyndromic cleft palate and/or lip: A meta-analysis and systematic review. *Cleft Palate and Craniofacial Journal*, 59(9), 1155-1166, <https://doi.org/10.1177/10556656211039871>
13. **Lancaster, H. S.**, Li, J., & Gray, S. (2021). Selective visual attention differentially predicts decoding and reading comprehension. *Journal of Research in Reading*, 44(3), 715-734, <https://doi.org/10.1111/1467-9817.12368>
12. **Lancaster, H. S.**, Liu, X.*, Dinu, V., & Li, J. (2020). Identifying interactive biological pathways associated with dyslexia. *Brain and Behavior*, <https://doi.org/10.1002/brb3.1735>.
11. Gray, S., **Lancaster, H. S.**, Alt, M., Green, S., Levy, R., & Cowen, N. (2020). The structure of word learning in young school-age children. *Journal of Speech, Language and Hearing Research*, 63(5), 1446-1466.
10. Scherer, N., Kaiser, A., Frey, J., **Lancaster, H. S.**, Lien, K.* & Roberts, M. Y. (2020). Effects of a naturalistic intervention on the speech outcomes of young children with cleft palate. *International Journal of Speech-Language Pathology*, 549-558. doi: 10.1080/17549507.2019.1702719.
9. **Lancaster, H. S.**, Lien, K.*, Chow, J., Frey, J., Scherer, N. S., & Kaiser, A. (2020). Early speech and language development in children with nonsyndromic cleft lip and/or palate: A meta-analysis. *Journal of Speech, Language and Hearing Research*, 63(1), 14-31.
8. Peter, B., Dinu, V., Liu, L., Huentelman, M., Naymik, M., **Lancaster, H.**, Vose, C.* & Schrauwen, I. (2019). Exome sequencing of two siblings with sporadic autism spectrum disorder and severe speech sound disorder suggests pleiotropic and complex effects. *Behavioral Genetics*, 1-16.
7. **Lancaster, H. S.** & Camarata, S. (2019). Reconceptualizing developmental language disorder as a spectrum disorder: Issues and evidence. *International Journal of Language and Communication Disorders*, 54(1), 79 - 94.
6. Philips, J.*, Vovakes, A.* **Lancaster, H.**, Frey, J., & Scherer, N. (2018). Changes in articulation and phonological patterns during early intervention in children with cleft palate with or without cleft lip. *Journal of Young Investigators*, July.
5. Peter, B., **Lancaster, H.**, Vose, C.*, Middleton, K., & Stoel-Gammon, C., (2017). Sequential processing deficit as a shared persisting biomarker in dyslexia and childhood apraxia of speech. *Clinical Linguistics & Phonetics*, <https://doi.org/10.1080/02699206.2017.1375560>.
4. Hornsby, B. W. Y., Gustafson, S.* **Lancaster, H.**, Cho, S.-J., Camarata, S., & Bess, C. (2017). Subjective fatigue in children with hearing loss using self- and parent- proxy reports. *American Journal of Audiology*, 26(3S), 393 - 407.
3. Peter, B., **Lancaster, H.**, Vose, C.*, Fares, A.* Schrauwen, I., & Huentelman, M. (2017). Two unrelated children with overlapping 6q25.3 deletions, motor speech disorders, and language delays. *American Journal of Medical Genetics Part A*, doi: 10.1002/ajmg.a.38385.
2. **Lancaster, H.** & Camarata, S. (2016). Using local norms when identifying PLD: Utility of sample specific parameters. *International Journal of Behavioral Research & Psychology*, 4(4), 191 – 196.
1. Davis, T.N., **Lancaster, H. S.**, & Camarata, S. (2016). Expressive and receptive vocabulary learning in children with diverse disability typologies. *International Journal of Developmental Disabilities*, 62(2), 77-88.

Pre-prints

1. **Lancaster, H. S.**, Dinu, V., Amit, A., Li, J., & Gruen, J. (2021). Pipeline for Identifying Genetic and Demographic Predictors of Latent Reading Ability: Demonstration in ALSPAC Cohort. *medRxiv*. <https://doi.org/10.1101/2021.08.24.21262573>

Book Chapters

1. Camarata, S., **Lancaster, H.**, & Kan, D. (2014). Assessment tools: Evaluating our measurements. In T. Bradham and T. Houston (Eds). *Assessing Listening and Spoken Language in Children with Hearing Loss* (pp.19-42). San Diego, CA: Plural Publishing.

Other

1. McGregor, K. K. & **Lancaster, H. S.** (2021). Developmental Language Disorder as a Spectrum. *DLD and Me*. <https://dldandme.org/developmental-language-disorder-as-a-spectrum/>

PRESENTATIONS

* Denotes student author

Peer Reviewed

39. Knoche, L.L., Schachter, R.E., Piasta, S., & **Lancaster, H.** (2025, May 1-3). The impacts of early childhood coaching on teachers' social-emotional practices and children's learning outcomes. In C. Varghese (Chair) *Investigations of Early Childhood Coaching Models to Support Quality Improvement Initiatives: Key Lessons for Implementation*. [Paper Symposium]. Society for Research in Child Development Biennial Meeting. Minneapolis, MN, United States.
38. Davis, T. N., Nayak, S. & **Lancaster, H. S.** (2024, December 5-7). *Developmental Communication Disorders Increase Risk of Health Conditions: Evidence from the All of Us Database*. [Poster]. American Speech-Language-Hearing Association, Seattle, WA, United States.
37. **Lancaster, H. S.**, Parks, R., Fitzpatrick, D., Bashford, S., & Buttner, A. (2024, July 11-13). *Reading and Spelling ReAL-E Fast*. [Interactive paper presentation]. Annual Meeting of the Society for the Scientific Studies of Reading.
36. Schachter, R. E., Knoche, L. L., Lu, J.* , Goldberg, M.* , Wernick, P. D.* , Piasta, S. B., & **Lancaster, H. S.** (2024, July 11-13). *The impacts of early childhood coaching on teacher and child reading-related outcomes*. [Spoken paper presentation]. Annual Meeting of the Society for the Scientific Study of Reading.
35. Schachter, R. E., Knoche, L. L., Lu, J.* , Goldberg, M.* , Wernick, P. D.* , Piasta, S. B., & **Lancaster, H. S.** (2024, June 24-26). *The effects of coaching and coaching processes on learning outcomes*. [Spoken paper presentation]. Administration for Children and Families' National Research Conference on Early Childhood (NRCEC), Arlington, VA.
34. **Lancaster, H. S.**, Farzana, S.* , Parks, R., Fitzpatrick, D., Buttner, A., Bashford, S., & Parde, N. (2023, September 21 - 22). *Associations between speech and language performances in adults*. [Poster]. Annual Nebraska Speech-Language-Hearing Association Fall Convention, Lincoln, Nebraska, USA.
33. **Lancaster, H. S.** [chair]. (2023, July 19 - 23). *Biological and Environmental Correlates of Reading*. [Symposium]. Society of Scientific Studies of Reading, Port Douglas, Queensland, Australia.
32. **Lancaster, H. S.** & Gruen, J. (2023, July 19 - 23). Replicated Genetic and Family Correlates Between Two Cohorts. In H. S. Lancaster (chair) *Biological and Environmental Correlates of Reading*. [Symposium]. Society of Scientific Studies of Reading, Port Douglas, Queensland, Australia.
31. **Lancaster, H. S.**, Parks, R., Benck, E., Fitzpatrick, D., Bashford, S., & Haschenburger, M. (2022, November 17 – 19). *Developing the Remote Adult Language Experiment (ReAL-E) tool*. [1-hour seminar]. American Speech-Language-Hearing Association, New Orleans, LA, United States.
30. Farzana, S.* , Parde, N., Parks, R., Benck, E., Fitzpatrick, D., Bashford, S., Haschenburger, M., & Lancaster, H. S. (2022, November 17 – 19). *Automatic scoring of remotely administered irregular word spelling task*. [Virtual poster]. American Speech-Language-Hearing Association, New Orleans, LA, United States.
29. Haschenburger, M., Fitzpatrick, D., Bash, S., & **Lancaster, H. S.** (2022, July 13 – 16). *Development of an online timed pseudoword reading task*. [Poster] Society of Scientific Studies of Reading, Newport Beach, CA, United States.
28. Ellis, P.* , Lien, K., **Lancaster, H. S.**, & Scherer, N. (2021, November 15 - 22). *Relationship between speech and language skills in children with cleft palate +/- cleft lip: A meta-analysis*. [Virtual technical talk]. American Speech-Language-Hearing Association, Washington D.C., United States.
27. Wombacher, N.* , **Lancaster, H. S.**, Richards, K., Scherer, N. (2021, November 15 - 22). *Speech and language intervention outcomes for children with clefts in Brazil and US: A comparative analysis*. [Virtual technical talk]. American Speech-Language-Hearing Association, Washington D.C., United States.

26. Tibbits, N.*, **Lancaster, H. S.**, & de Diego-Lazaro, B. (2021, November 15 - 22). *Identifying potential item bias in the bilingual Expressive One-Word Picture Vocabulary Test*. [Virtual poster presentation]. American Speech-Language-Hearing Association, Washington D.C., United States.
25. Haas, J.*, **Lancaster, H. S.**, Lien, K., & Scherer, N. (2020, November). *Reading development in children with nonsyndromic cleft lip and/or palate: Systematic review and meta-analysis*. Technical research talk for the annual convention of the American Speech-Language-Hearing Association, San Diego, CA, United States. (Conference canceled)
24. Lien, K., Ellis, P.*, **Lancaster, H. S.**, & Scherer, N. (2020, November). *A systematic review of reports on speech and language skills in children with nonsyndromic cleft palate with or without cleft lip*. Technical research talk for the annual convention of the American Speech-Language-Hearing Association, San Diego, CA, United States. (Conference canceled)
23. **Lancaster, H. S.** & Li, J. (2020, July). *Biological networks associated with reading ability*. Oral presentation at the annual convention for the Society for the Scientific Studies of Reading, Newport Beach, CA, United States. (Conference canceled)
22. Haas, J.*, **Lancaster, H. S.**, Lien, K.*, Ellis, P.* & Scherer, N. (2019, November). *Word decoding in children with non-syndromic cleft lip and/or palate: Meta-analysis*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
21. Ellis, P.*, Lien, K.*, **Lancaster, H. S.**, Haas, J.* & Scherer, N. (2019, November). *The relationship between speech and expressive vocabulary in children with cleft lip/palate: A meta-analysis*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
20. Gray, S., **Lancaster, H. S.**, Alt, M., Hogan, T., Levy, R., & Cowan, N. (2019, November). *The structure of word learning in young school-age children*. Oral presentation presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
19. **Lancaster, H.**, Liu, X., Dinu, V., & Li, J. (2019, June). *Sparse machine learning model and pathway analysis reveal novel genetic associations with dyslexia*. Poster presented at the Behavioral Genetics Association conference, Stockholm, Sweden.
18. Lien, K.*, **Lancaster, H.**, Chow, J., Frey, J., Scherer, N. S., & Kaiser, A. (2019, April). *Meta-analysis of speech, language, and reading outcomes and their relationship with assessment characteristics in children with nonsyndromic cleft lip and/or palate*. Talk presented at the annual convention of the American Cleft Palate-Craniofacial Association, Tuscon, AZ.
17. **Lancaster, H.**, Dinu, V., & Li, J. (2018, October). *Comparison of two phenotypes to identify SNPs associated with poor reading skills*. Poster presented at the American Society of Human Genetics, San Diego, CA.
16. **Lancaster, H.**, Li, J., & Gray, S. (2018, July). *Predicting reading comprehension in children with different types of reading disorders*. Poster presented at the Society of Scientific Studies of Reading, Brighton, England.
15. **Lancaster, H.**, Lien, K.*, Chow, J., Frey, J., Scherer, N., & Kaiser, A. (2018, April). *Meta-analysis of early speech and language in children with nonsyndromic cleft palate with or without cleft lip*. Poster presented at the annual convention of the American Cleft Palate-Craniofacial Association, Pittsburgh, PA.
14. Lien, K. L.*, Scherer, N. J., Kaiser, A. P., Frey, J. R., & **Lancaster, H. S.** (2017, November). *Selecting intervention targets to improve speech accuracy for stops & fricatives in children with CP+/-L*. Flash session presented at the meeting of the American Speech-Language-Hearing Association, Los Angeles, CA.
13. Philp, J.*, Vovakes, A.*, **Lancaster, H.**, Lien, K.* & Scherer, N. (2017, November). *Changes in cleft speech errors with early intervention in children with CP +/- L*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA. *Also presented at ASU SHS Research Day (2017, May)*.
12. Vovakes, A.*, Philp, J.*, **Lancaster, H.**, Lien, K.* & Scherer, N. (2017, November). *Vocabulary predictors of early intervention outcomes for children with CP +/- L*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Los Angeles, CA. *Also presented at ASU SHS Research Day (2017, May)*.
11. **Lancaster, H.** & Camarata, S. (2016, November). *1197: Reconceptualizing specific language impairment as a spectrum disorder*. Seminar presented at the annual convention of the American Speech-Language-Hearing Association, Philadelphia, PN.

10. **Lancaster, H.**, Peter, B., Vose, C.* (2016, October). *FP4: Sequence errors during real word and nonword imitation in adults with dyslexia*. Poster presented at the annual convention of the International Dyslexia Association Conference, Orlando, FL.
9. Fares, A.* , Vose, C.* , **Lancaster, H.**, Peter, B. (2016, April). *Comparison of two children with speech deficits and overlapping chromosomal deletions*. Seminar presented at the annual convention of the Arizona Speech and Hearing Association, Tucson, AZ.
8. **Lancaster, H.** & Camarata, S. (2015, November). *Analysis of racial composition of the EpiSLI database on cognitive variables: Issues and implications*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Denver, CO. doi: 10.13140/RG.2.1.1997.2720
7. **Lancaster, H.** & Camarata, S. (2014, November). *Reanalysis of EpiSLI dataset: Exploring phenotypes of language abilities in kindergarteners*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
6. **Lancaster, H.** & Camarata, S. (2014, November). *The relationship between pre-Literacy, fluid reasoning, and language in kindergarteners with and without language impairment*. Oral presentation presented at the annual convention of the American Speech-Language-Hearing Association, Orlando, FL.
5. **Lancaster, H.** & Camarata, S. (2014, June). *Using structural equation modeling in child language research*. Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI.
4. **Lancaster, H.** & Camarata, S. (2014, June). *Does language demand on fluid reasoning tasks impact the predictive power for predicting performance on pre-literacy tasks?* Poster presented at the Symposium on Research in Child Language Disorders, Madison, WI. *Also presented at Kennedy Center Science Day, Nashville, TN (2014, January)*.
3. **Lancaster, H.** & Schuele, C.M. (2012, November). *Second graders book talk: Feasibility data*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, Atlanta, GA. *Also presented at Kennedy Center Science Day, Nashville, TN (2013, January)*.
2. Lund, E., Werfel, K., **Lancaster, H.**, Weiler, B., Fisher, J., Barako Arndt, K., Guillot, K., & Schuele, C.M. (2011, November). *Explicit phonemic awareness skills of graduate students at program entry*. Poster presented at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA. *Also presented at Kennedy Center Science Day, Nashville, TN (2012, February)*.
1. **Lancaster, H.** & Braasch, J. (2009, March). *The influence of refutational text on college students' understanding of air pressure*. Poster presented at the Undergraduate Research Symposium, Chicago, IL.

Invited and Other

17. **Lancaster, H. S.**, Gordon, K. R., Pomper, R., & LaRose, A. (2024, April). *Developmental Language Disorder: Key Characteristics and Variability* [Webinar]. American Speech-Language Hearing Association.
16. **Lancaster, H. S.** (2022, September 09). Double Trouble: Differences and similarities between DLD and Dyslexia. [invited virtual workshop]. Delaware Speech-Language Hearing Association
15. Lancaster, H. S. (2022, October 15). The dynamic relationship between speech, language, and reading. Annual Nebraska Speech-Language-Hearing Association Fall Convention, Lincoln, Nebraska, USA.
14. Panel Member (2022, April 14 – 15). *Making the Most of Your Postdoc Experience*. [Virtual]. Arizona State University 4th Annual Career Conference, Phoenix, AZ.
13. **Lancaster, H. S.** (2022, February 19). *Reading (Dis)Ability Across the Lifespan*. [Virtual Talk]. Sacramento State NSSLHA 18th Annual Conference, California State University, Sacramento, CA, USA.
12. **Lancaster, H. S.** (2021, September 17). *The ATCGs of Reading*. [Virtual talk]. CYAF Scholarly Brown Bag, University of Nebraska Lincoln, Lincoln, NE, USA.
11. **Lancaster, H. S.** (2021, March). *The ATCGs of Reading*. Talk given for Boys Town National Research Hospital genetics workshop.
10. **Lancaster, H. S.**, & Camarata, S. (2020, September). *Reconceptualizing DLD as a Spectrum Disorder* [Webinar]. Smart Speech Therapy LLC. <https://www.facebook.com/SmartSpeechTherapyLlc/videos/2814063938828172/?extid=oARekTpzl2lrqpeI>
9. **Lancaster, H. S.** (2020, May). *Dr. Lancaster or: How I learned to stop worrying and love my F32*. Talk given for College of Health Solutions.
8. **Lancaster, H. S.** (2019, October). *Writing Accountability Groups: Orientation*. Talk given for ASU Postdoctoral Affairs Office and Early Career Research Network.

7. **Lancaster, H. S.** (2018, March). *Postdoc Panel*. Panel presenter Preparing Future X at Arizona State University, Tempe, AZ.
6. **Lancaster, H. S.** (2017, August/September). *Language Impairment: Characteristics and Legal Issues*. Lecture given to undergraduate class (SHS 105) at Arizona State University.
5. **Lancaster, H. S.** (2017, January). *Language Impairment Characteristics and Basics of Assessment*. Lecture given to undergraduate class (SHS 105) at Arizona State University.
4. **Lancaster, H. S.** (2016, October). *Workflow Creation and Project Management*. Lecture given to doctoral seminar (SHS 790) at Arizona State University.
3. **Lancaster, H. S.** (2016, March). *T-tests and ANOVAS*. Lecture given to audiology seminar (SHS 500) at Arizona State University.
2. **Lancaster, H. S.** (2016, March). *From Pieces to Patterns: Using big data to get the big picture*. Talk presented Department of Special Education and Communication Disorders at New Mexico State University, Las Cruces, NM.
1. **Lancaster, H. S.** & Werfel, K. (2013, July). *Explicit Phonological Awareness: Getting it and sharing it with your colleagues*. Talk presented at School SLP Conference conducted at Vanderbilt Bill Wilkerson Center, Nashville, TN.

OPEN SCIENCE RESEARCH PRODUCTS

Preregistrations

4. McGregor, K. K., Eden, N., Oleson, J., **Lancaster, H. S.**, & Else-Quest, N. (2025, March 25). Sex and Gender Differences in Language Impairment, Disability, and Service Receipt: Views of children and their caregivers. Retrieved from osf.io/pgwqy
3. **Lancaster, H. S.**, Buttner, A., Hendrickson, K., & DeBerg, J. (2024, November 27). Scoping Review of Research on Adults with Developmental Language Disorder. <https://doi.org/10.17605/OSF.IO/MXKBC>
2. **Lancaster, H. S.**, & Buttner, A. (2023, October 4). General Health and Well-Being Outcomes for Individuals with Communication Disorders. <https://doi.org/10.17605/OSF.IO/2GZ8M>
1. **Lancaster, H. S.**, Buttner, A., Parks, R. M., Eden, N., Arbisi-Kelm, T., McGregor, K. K., & Bosen, A. (2023, October 19). Reliability of Nonword Repetition Task in Adults: The Impacts of Testing Condition and Scoring Methods. <https://doi.org/10.17605/OSF.IO/A9PVQ>

Projects

4. McGregor, K. K., Hart, S. A., **Lancaster, H. S.**, Oleson, J. J., Eden, N. M., & Gallagher, A. (2025). *Language and Me Project*. LDbase. <https://doi.org/10.33009/libase.1743445726.667>
3. **Lancaster, H. S.**, Lien, K., & Scherer, N. (2024). *Speech and language skills in children with nonsyndromic cleft palate with or without cleft lip*. LDbase. <https://doi.org/10.31219/osf.io/6fyd8>
2. **Lancaster, H. S.**, & Buttner, A. (2024, July 11). *Remote Adult Language - Experiment (ReAL-E)*. Retrieved from osf.io/6kyfp
1. **Lancaster, H. S.**, Scherer, N., Wombacher, N. R., Kaiser, A., & Chen, D. (2024, April 11). *Cross-linguistic and -cultural comparative analysis of Enhanced Milieu Teaching with Phonological Emphasis for children with cleft lip and palate*. <https://doi.org/10.17605/OSF.IO/937HN>

SERVICE

Intramural

Research Training Committee member, Boys Town National Research Hospital, Current Co-chair, Leadership committee, Arizona State University Early Career Research Network, Spring 2018 – Fall 2019

Advisory Board member, Postdoctoral Affairs Office at Arizona State University, Fall 2017 – Fall 2019
Organizer, Arizona Postdoctoral Research Conference, September 18th, 2019

Organizer, Postdoctoral Career Conference, May 22nd, 2019

Co-Founder & Co-Chair, Postdoc Blitz Talks, Office of Postdoctoral Affairs at Arizona State University, 2018 - 2019

Leader, Writing accountability group for clinical faculty and postdoctoral associates, Spring 2016 - Spring 2017

Professional

Award Committee Member, Society for the Scientific Studies of Reading, Present
Ad Hoc Conference Reviewer, *Society for the Scientific Studies of Reading* 2026
Ad Hoc Journal Reviewer, *Journal of Speech, Language, and Hearing Research, Language, Hearing, and Speech Services in Schools, International Journal of Language and Communication Disorders, Brain Sciences, Clinical Linguistics and Phonetics, Scientific Studies of Reading, Craniofacial and Cleft Palate Journal*

Ad Hoc NIH Study Section Member, *LCOM* (October 2022, June 2024), *F01B* (November 2024, April 2024)
Panel Member, Let's Talk About Grad School: Fellowships

Clinical

Private reading teacher, Atlanta, GA, Jan. 2015 – May 2015

Childcare provider, Autism Tennessee, 2014

Pediatric Speech/Language assessment, Vanderbilt Bill Wilkerson Center, 2012

Reading tutor, Vanderbilt Reading Clinic, 2011

Reading outreach team member, StoryBus: America's Children's Museum on Wheels, 2006 – 2007

Community

Tutor/Mentor to child in foster care, Arizonians for Children, 2018 - 2020

Vanderbilt University Alumni event coordinator, 2019

STUDENT MENTORING

Doctoral

2025 – 2026	Tahmineh Maleki (LSU)	Mentoring Academic-Research Careers	Mentor
2025 – 2026	Sarah R. Bellavance (NYU)	Mentoring Academic-Research Careers	Mentor
2024 – 2025	Candance van der Stalt (Penn State)	Mentoring Academic-Research Careers	Mentor
2024 – 2025	Soujin "Jinnie" Choi (Northwestern)	Mentoring Academic-Research Careers	Mentor
2022 – 2023	Heidi Mettler (U of AZ)	Mentoring Academic-Research Careers	Mentor
2022 – 2023	So Yeon Chun (Penn State)	Mentoring Academic-Research Careers	Mentor
2021 (Fall)	Natalie Wombacher (ASU)	1st Year Doctoral Project	Committee Member
2021 – 2022	Mariam El Amin (UGA)	Mentoring Academic-Research Careers	Mentor
2021 – 2022	Danyang Wang (UDel)	Mentoring Academic-Research Careers	Mentor

Undergraduate

2018 – 2020	Jordan Haas	Undergraduate Barrett Honors Thesis	Committee Member
2019	Tyler Cork	Engineering Capstone Project	Capstone mentor
2019	Christian Go	Engineering Capstone Project	Capstone mentor
2019	Camrie Madsen	Engineering Capstone Project	Capstone mentor
2019	Maryam Nia	Engineering Capstone Project	Capstone mentor
2019	Maria Predtechenskaya	Engineering Capstone Project	Capstone mentor
2018 – 2019	Jordan Haas	Advanced Research Experience Seminar	Research mentor
2018 – 2019	Paige Ellis	Advanced Research Experience Seminar	Research mentor
2016 – 2017	Jenny Philp	Advanced Research Experience Seminar	Research mentor
2016 – 2017	Ariel Vovakes	Advanced Research Experience Seminar	Research mentor
2015 – 2016	Gopi Kundari	Undergraduate Barrett Honors Thesis	Committee Member

TEACHING EXPERIENCE

Boys Town National Research Hospital	Responsible Conduct of Research - Genetics, Summer 2024
Arizona State University	SHS 105 Intro. to Human Communication Sciences and Disorders, AY 2016-17 CHS 101 The ASU Experience, 4-week break out section leader, Fall 2017
Vanderbilt University	AuD 5368 Research Methods (Teaching Assistant), 2014 SLP 5306 Child Language Disorders (Teaching Assistant), 2011, 2012 SLP 5304 Language Acquisition (Teaching Assistant), 2010, 2011, 2012 Phonological Awareness Bootcamp (Instructor), 2010 Phonological Awareness Bootcamp (Coordinator & Instructor), 2011, 2012

AWARDS AND HONORS

Helmsley Scholarship, Helmsley Charitable Trust, Cold Spring Harbor Laboratory, 2019
Best Practices in Computing Fellow, National Science Foundation grant, Arizona State University, 2016-2018
Research-Mentor Pair Travel Award, American Hearing and Speech Association, 2014
NIH Travel Award to Symposium on Research in Child Language Disorders, 2014
Vanderbilt Kennedy Center Student Travel Grant, Vanderbilt University, 2014, 2012
Student Research Travel Grant, Vanderbilt University Graduate School, 2014, 2012, 2011
Caterpillar and Kabbes Undergraduate Research Grant, University of IL at Chicago, 2009
Hirschberg Memorial Grant, University of IL at Chicago, 2008

PROFESSIONAL DEVELOPMENT AND WORKSHOPS

Data Management for Data Sharing: A Short Course for Researchers in Child Learning and Development,
National Institutes of Health, 2024 cohort
Raising a Resilient Scientist, National Institutes of Health, 2022 - 2023
National Research Mentoring Network Mentee, Utah Grant Writing Coaching Program, 2022
High-Throughput Biology: From Sequence to Networks, Cold Spring Harbor Laboratory & Canadian
Bioinformatics Workshops, 2019
National Research Mentoring Network Mentee, NIH Grant group, 2016
Lessons for Success Mentee, American Speech and Hearing Foundation, 2016
NHGRI 5th Short Course in Statistical Genetics at University of Alabama – Birmingham, 2015

PROFESSIONAL ORGANIZATIONS

Society for the Scientific Studies of Reading (*Voting Member*)
Promoting Opportunities for Women in Education Research
American Speech-Language Hearing Association
Behavioral Genetics Society
Psi Chi International Honor Society in Psychology
Dobra Slovo Slavic National Honor Society