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POSITIONS HELD

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|----------------|---|
| 2024 – Present | Associate Project Scientist
UC/CSU Collaborative for Neuroscience, Learning and Diversity
Department of Education and Information Sciences
University of California, Los Angeles |
| 2024 – Present | Research Affiliate
Department of Communication Sciences &
Disorders Louisiana State University |
| 2020 – 2024 | Assistant Professor
Department of Communication Sciences &
Disorders Louisiana State University |
| 2018 – 2021 | Postdoctoral Research Fellow
Department of Cognitive and Linguistic
Sciences
University of Delaware |

EDUCATION

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|------|--|
| 2018 | Doctor of Philosophy, Psychological Sciences
The University of Texas at Dallas, Richardson, TX |
| 2013 | Master of Science, Applied Cognition and Neuroscience
The University of Texas at Dallas, Richardson, TX |
| 2011 | Bachelor of Arts, Psychology
Texas Tech University, Lubbock, TX |

GRANTS AND FUNDING

PENDING (Total Amount: \$350,791)

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|-------------|--|
| 2025 – 2026 | Schneider, J.M. (PI). Broadening Participation in Cognitive Science through Executive Function Education for Teachers. Broadening Participation in Cognitive Science Initiative. \$5,000. |
| 2025 – 2026 | Do, K. (PI) & Schneider, J.M. (Co-I). Building Knowledge Together in the Classroom: Neurocognitive Mechanisms of Adolescent Learning from Peer Instruction. UCLA-CDU Dana Center for Neuroscience and Society Seed Grant. \$50,000. |
| 2025 – 2028 | Schneider, J.M. (PI) & Kucker, S.C. (PI). Developmental disruptions? Examining how environmental digital noise shapes language development. National Science Foundation, Division of Developmental Sciences. \$350,791. |

- 2025 – 2028 Nugiel, T. (PI), **Schneider, J.M.** (PI) & Gilmore, J. (Co-I). Pre- and post-natal biomarkers of late talking. National Institute of Child Health and Human Development, R21 Leveraging Extant Data to Understand Developmental Trajectories of Late Talking Children. \$453,893*. (**Recommended for Funding*).

FUNDED (Total Amount: \$1,352,490)

- 2025 – 2025 **Schneider, J.M.** (PI), Folk, J. (Co-I) & Pospisil, M. (Co-I). Disruptive Noise: How Acoustic Environments in Juvenile Justice Classrooms Impact Brain and Literacy Development. California Institute on Law, Neuroscience, and Education Collaborative Grant. \$161,607.
- 2025 – 2025 Zegers, M. (PI), **Schneider, J.M.** (Co-I), & Pospisil, M. (Co-I). Preventative Literacy Intervention through Culturally Responsive Teacher Development. California Institute on Law, Neuroscience, and Education Collaborative Grant. \$149,245.34.
- 2025 – 2025 **Schneider, J.M.** (PI) & Grammer, J.K. (Co-I). Investigating the Cognitive and Academic Consequences of Classroom Acoustics in South LA. UCLA-CDU Dana Center for Neuroscience and Society Seed Grant. \$38,197.
- 2024 – 2025 Marcinowski, E. (PI) & **Schneider, J.M.** (Co-I). The role of dyadic positioning in language development. LSU Provost Fund, Faculty Research Grant. \$23,282.
- 2023 – 2023 **Schneider, J.M.** (PI). Adapting Storybook Vocabulary Interventions to Maximize Word Learning among Low SES Children. LSU Manship Summer Faculty Research Grant. \$5,000.
- 2022 – 2025 **Schneider, J.M.** (PI) & Oetting, J. (Co-I). Informing Interventions: improving the measurement of children's vocabulary knowledge and caregiver input in the Deep South. National Science Foundation, Division of Developmental Sciences (ID # 2141007). \$365,766.
- 2022 – 2023 **Schneider, J.M.** (PI). Informing Interventions: pinpointing how linguistic input contributes to vocabulary variability in the Deep South. The Society for Research in Child Development. \$5,000.
- *Note: Considered a highly competitive, prestigious award in the field of Child Development*
- 2019 – 2021 **Schneider, J.M.** (PI). What matters the most? Investigating the contribution of maternal language input and statistical learning to low SES children's brain and vocabulary development. National Science Foundation (ID #1911462). \$138,000.
- 2017 – 2018 **Schneider, J.M.** (PI), Qi, Z & Johnson, C.L. (Co-Is). NIH Centers of Biomedical Research Excellence. \$8,000.
- 2017 – 2018 **Schneider, J.M.** (PI). Identifying the neural oscillations underlying semantic and syntactic development during real time auditory sentence processing. UTD Dean of Graduate Studies Dissertation Research Awards. \$3,500.
- 2017 – 2017 **Schneider, J.M.** (PI). Identifying the neural oscillations underlying semantic and syntactic development during real time auditory sentence processing. UTD PhD Research Small Grants Program. \$1,000.

PUBLICATIONS

*graduate mentee; **undergraduate mentee

REFEREED JOURNAL ARTICLES ($N = 32$; lead or senior author $n = 23$ [72%])

2025

- [32.] Fan, T.*, Decker, W.*, Momsen, J.P., Haebig, E. & **Schneider, J.M.** (accepted). The

faciliatory role of rhyme in word learning: ERP and behavioral evidence. *Journal of Speech-Language-Hearing Sciences*.

- [31.] **Schneider, J. M.**, & Maldonado, M.* (2025). Bridging the Divide: Understanding Language Beliefs and Practices Among Caregivers in the Deep South to Inform Culturally Responsive Interventions. *Journal of Cognition and Development*, 1-21. <https://doi.org/10.1080/15248372.2025.2459661>

2024

- [30.] **Schneider, J.M.**, Kim, J., Poudel, S., Lee, Y. & Maguire, M.J. (2024). Environmental experiences and cognitive outcomes are predicted by resting-state EEG in school-aged children. *Developmental Cognitive Neuroscience*. <http://dx.doi.org/10.2139/ssrn.4591520>
- [29.] Buckalew, G.**, Ramirez, A.G. & **Schneider, J.M.** (2024). Maternal Question Use Relates to Syntactic Development in Children at School-Entry. *Journal of Speech-Language-Hearing Sciences*, 67(12). https://doi.org/10.1044/2024_JSLHR-23-00426
- [28.] Fan, T.*, Decker, W.** & **Schneider, J.M.** (2024). The neural basis of auditory statistical learning in children. *Neurobiology of Language*, 1-70. https://doi.org/10.1162/nol_a_00156
- [27.] **Schneider, J.M.** (2024). Individual child characteristics underlie differential engagement of neural oscillations during sentence processing. *Psychology of Learning and Motivation*. <https://doi.org/10.1016/bs.plm.2024.06.002>
- [26.] Kucker, S. & **Schneider, J.M.** (2024). Social interactions offset the detrimental effects of digital media use on children's vocabulary. *Frontiers in Developmental Psychology*. <https://doi.org/10.3389/fdpys.2024.1401736>
- [25.] Weng, Y.*, **Schneider, J.M.**, & Qi, Z. (2024). Tracking Statistical Patterns in Acoustic Speech Across Development. *Proceedings for the Society of Cognitive Science*. <https://escholarship.org/uc/item/89v6q66x>
- [24.] **Schneider, J.M.**, Behboudi, M.H. & Maguire, M.J. (2024). The necessity of taking culture and context into account when studying the relationship between socioeconomic status and brain development *Brain Sciences*, 14(4), 392. [10.3390/brainsci14040392](https://doi.org/10.3390/brainsci14040392)
- [23.] **Schneider, J.M.**, Scott, T.L., Legault, J. & Qi, Z. (2024). Limited but specific engagement of the mature language network during linguistic statistical learning. *Cerebral Cortex*, 34(4), bhae123. <https://doi.org/10.1093/cercor/bhae123>

2023

- [22.] Huang, R.*, Baker, E. & **Schneider, J.M.** (2023). Executive function skills account for bilingual advantage in word learning among low-income preschoolers. *Journal of Experimental Child Psychology*. <https://psyarxiv.com/fnc5k>
- [21.] **Schneider, J.M.** Poudel, S.*, Abel, A.D. & Maguire, M.J (2023). Age and vocabulary knowledge differentially influence the N400 and theta responses during word processing. *Developmental Cognitive Neuroscience*. <https://doi.org/10.1016/j.dcn.2023.101251>

2022

- [20.] Momsen, J.*, **Schneider, J.M.** (2022). Developmental differences in EEG oscillations supporting the identification of novel word meaning from context. *Developmental Cognitive Neuroscience*, 58, 101185. <https://doi.org/10.1016/j.dcn.2022.101185>
- [19.] McIlvain, G.*, **Schneider, J.M.**, Matyi, M.A., McGarry, M.D.J., Qi, Z., Spielberg, J.M., Johnson, C.L. (2022). Mapping Brain Mechanical Property Maturation from

Childhood to Adulthood. *Neuroimage*, 263,
<https://doi.org/10.1016/j.neuroimage.2022.119590>

- [18.] **Schneider, J. M.**, McIlvain, G.* & Johnson, C. (2022). Mechanical properties of the developing brain are associated with language input and vocabulary outcome. *Developmental Neuropsychology*. <https://doi.org/10.31234/osf.io/8sb2v>
- [17.] **Schneider, J.M.**, Weng, Y.*, Hu, A.* & Qi, Z. (2022). Linking the neural basis of distributional statistical learning with transitional statistical learning: The paradox of attention. *Neuropsychologia*. <https://doi.org/10.31234/osf.io/8rtsc>
- [16.] **Schneider, J. M.**, Abel, A., & Maguire, M. (2022). The role of vocabulary and reading in ameliorating socioeconomic status (SES) related gaps in word learning during the school years. *Language Learning and Development*.
<https://doi.org/10.31234/osf.io/5qwtv>
- [15.] Maguire, M. J., **Schneider, J. M.**, Melamed, T. C., Ralph, Y. K., Poudel, S., Raval, V.* M., ... & Abel, A. D. (2022). Temporal and topographical changes in theta power between middle childhood and adolescence during sentence comprehension. *Developmental Cognitive Neuroscience*, 53, 101056.
<https://doi.org/10.1016/j.dcn.2021.101056>

2021

- [14.] **Schneider, J. M.**, Abel, A., Momsen, J.*, Melamed, T.C.* & Maguire, M. (2021). Neural oscillations reveal differences in the process of word learning among school-aged children from lower socioeconomic status backgrounds. *Neurobiology of Language*, 2(3), 372-388. https://doi.org/10.1162/nol_a_00040
- [13.] Michalec, B., Mackenzie, M. & **Schneider, J.M.** (2021). Teaching empathy in an interprofessional setting with a focus on decategorization: Introducing I-Team. *Journal of Interprofessional Education & Practice*, 22, 100395.
<https://doi.org/10.1016/j.xjep.2020.100395>

2020

- [12.] **Schneider, J. M.**, Hu, A.*, Legault, J., & Qi, Z. (2020). Measuring Statistical Learning Across Modalities and Domains in School-Aged Children Via an Online Platform and Neuroimaging Techniques. *JoVE (Journal of Visualized Experiments)*, (160), e61474. doi: [10.3791/61474](https://doi.org/10.3791/61474)
- [11.] Ralph, Y.K.*, **Schneider, J.M.**, Abel, A.D. & Maguire, M.J. (2020). Using the N400 Event Related Potential to study word learning from context in children from low and higher socioeconomic status homes. *Journal of Experimental Child Psychology*. 191, 104758.

2019

- [10.] Maguire, M. J., & **Schneider, J. M.** (2019). Socioeconomic status related differences in resting state EEG activity correspond to differences in vocabulary and working memory in grade school. *Brain and cognition*, 137, 103619.

2018

- [9.] **Schneider, J.M.** & Maguire, M.J. (2018). Developmental differences in the neural correlates underlying semantic and syntactic skills during sentence processing. *Developmental Science*. doi: 10.1111/desc.12782.
- [8.] **Schneider, J. M.**, Abel, A. D., Ogiela, D. A., McCord, C.** & Maguire, M. J. (2018). Developmental differences in the neural oscillations underlying auditory sentence processing in children and adults. *Brain and language*, 186, 17-25.
- [7.] **Schneider, J.M.** & Maguire, M.J. (2018). Identifying the relationship between oscillatory dynamics and event-related responses during auditory sentence processing. *International*

Journal of Psychophysiology, 133, 182-192.

- [6.] Abel, A. D., **Schneider, J.M.**, & Maguire, M. J. (2018). N400 Response Indexes Word Learning from Linguistic Context in Children. *Language Learning and Development*, 14(1), 61-71. <https://doi.org/10.1080/15475441.2017.1362347>
- [5.] Maguire, M.J., **Schneider, J.M.**, Middleton, A.E., Ackerman, R., Ralph, Y.K. *, Lopez, M. **, & Abel, A.D. (2018). Vocabulary knowledge mediates the link between socioeconomic status and word learning in grade school. *Journal of Experimental Child Psychology*, 166, 679-695. <https://doi.org/10.1016/j.jecp.2017.10.003>

2017

- [4.] Nguyen, L.T. *, Chiang, H.S., **Schneider, J.M.**, Maguire, M.J., Kraut, M.A., Hart Jr., J., & Mudar, R.A. (2017). Theta and Alpha Alterations in Amnesic Mild Cognitive Impairment in Semantic Go/NoGo Tasks. *Frontiers in Aging Neuroscience*.
- [3.] Middleton, A.E., **Schneider, J.M.** & Maguire, M.J. (2017). Age related differences in beta engagement during single word processing. *Language, Cognition and Neuroscience*, 32(10), 1250-1260. doi: [10.1080/23273798.2017.1297841](https://doi.org/10.1080/23273798.2017.1297841)

2016

- [2.] **Schneider, J. M.**, Abel, A. D., Ogiela, D. A., Middleton, A. E., & Maguire, M. J. (2016). Developmental differences in beta and theta power during sentence processing. *Developmental Cognitive Neuroscience*, 19, 19-30. doi:<http://dx.doi.org/10.1016/j.dcn.2016.01.001>

2015

- [1.] Maguire, M. J., Abel, A. D., **Schneider, J. M.**, Fitzhugh, A. E., McCord, J. **, & Jeevakumar, V. (2015). Electroencephalography theta differences between object nouns and action verbs when identifying semantic relations. *Language, Cognition and Neuroscience*, 30(6), 1-11. doi: [10.1080/23273798.2014.1000344](https://doi.org/10.1080/23273798.2014.1000344)

MANUSCRIPTS UNDER REVIEW (N = 4; lead or senior author n = 2 [50%])

- [1.] Pankonin, A.H. *, **Schneider, J.M.**, & Abel, A.D. (revision submitted). Word Wars: The Role of Form and Semantic Encoding in Implicit and Explicit Recognition of Nouns and Verbs. *Psychology of Language and Communication*.
- [2.] **Schneider, J.M.**, Morini, G., De Jesus, V. & Iglesias, A. (revision requested). Development of intrasentential code-switching patterns in Spanish-speaking English Learners. *Child Development*.
- [3.] Decker, W.* & **Schneider, J.M.** (under review). When Denoising Developmental EEG Data, is it Best Left Alone? *Developmental Cognitive Neuroscience*. Registered Report.
- [4.] Kucker, S.C. & **Schneider, J.M.** (invited submission). Screen time is more than just the screen: Variability and impact of background media exposure. *Infancy*.

MANUSCRIPTS IN PREPARATION (N = 3; lead, lead or senior author n = 3 [100%])

Schneider, J.M., Golinkoff, R.M. & Qi, Z. (in preparation). Input or Uptake? Statistical learning moderates the relationship between language input and vocabulary outcome. *Neurobiology of Language*.

Schneider, J.M., Momsen, J.P. * & Abel, A.D. (in preparation). Age and language ability differentially influence the N400 during word learning in children. *Developmental Cognitive Neuroscience*.

Fan, T., Abel, A.D., Maguire, M.J. & **Schneider, J.M.** (in preparation). Functional Neural Specialization during Word Learning from Linguistic Context. *Journal of Cognitive Neuroscience*.

OTHER PUBLICATIONS

Overstreet, B., Cook, C., Michalec, B. & **Schneider, J.M.** (2020). The Impact of a Parkinson's Disease Workshop on Student's Attitudes and Competencies Towards Interprofessional Collaboration. *International Journal of Exercise Science: Conference Proceedings*. 9(8), 84.

Schneider, J.M. (2019, October 10). What's your number? Publish or perish leads to worsening mental health outcomes in PhD students [Blog Post]. <https://socialsciences.nature.com/>

INVITED PRESENTATIONS (N = 14)

- [1.] **Schneider, J. M** (2025). *Translating Neuroscience to Policy to Create Optimal Learning Environments*. Invited symposium (**Chair: Schneider**) *From Lab to Life: Translating Neuroscientific Insights into Equitable Education and Policy*. FLUX Congress, Dublin, Ireland.
- [2.] **Schneider, J.M.** (2024). *Language Development in Context: Implications for the 30-million-word gap*. Invited Early Career symposium, Cognitive Development Society, Pasadena, CA.
- [3.] **Schneider, J.M.** (2024). *Language Development in Context: Leveraging Neuroscience to inform studies of the 30-million-word gap*. Invited talk, Villanova University, Philadelphia, PA.
- [4.] **Schneider, J.M.** (2024). *Language Development in Context: Leveraging Neuroscience to inform studies of the 30-million-word gap*. Invited talk, Northeastern University, Boston, MA.
- [5.] **Schneider, J.M.** (2023). *Word Learning in Diverse Contexts*. Invited talk, San Francisco State University, San Francisco, CA.
- [6.] **Schneider, J. M** (2023). *What neural oscillations reveal about auditory sentence processing throughout childhood*. Invited symposium (Chair: Federmeier) *Language: New Approaches and New Ideas*. Society for Psychophysiological Research, New Orleans, LA.
- [7.] **Schneider, J.M.** (2023). *One Size Does Not Fit All: An Examination of How Children from Culturally and Linguistically Diverse Communities Learn Words*. Invited talk, HSS Speaks, Louisiana State University.
- [8.] **Schneider, J.M.** (2023). *One size does not fit all: Implications for the Vocabulary Gap*. Invited talk, Psychology Department, University of Washington.
- [9.] **Schneider, J.M.** (2022). *Towards a social-bioecological model of language development*. Invited talk, School of Veterinary Medicine, Louisiana State University.
- [10.] **Schneider, J. M** (2022). *What neural oscillations reveal about auditory sentence processing throughout childhood*. Invited symposium (Chair: Wang) *How does the neural mechanism of language processing develop in children?* Neurobiology of Language, Philadelphia, PA.
- [11.] **Schneider, J.M.,** Abel, A.D. & Maguire, M.J. (2021). *Individual learner abilities differentially influence word learning success on the basis of socioeconomic status during the school years*. In **J.M. Schneider** (Chair) *Maximizing word learning outcomes in school-aged children*. Symposium conducted at the Biennial meeting for the Society of Research in Child Development, virtual.

- [12.] Qi Z., Hu, A., Legault J., Weng Y.L., **Schneider J.M.**, Kozloff V., Robbins P. (2021) *Multimodal investigation of neural correlates of auditory statistical learning in children with ASD*. Symposium of characterizing and predicting the language profiles in children with autism through rich datasets. International Association for the Study of Child Language, Philadelphia, PA.
- [13.] **Schneider, J.M.**, Abel, A.D. & Maguire, M.J. (2020). *Reading ability as a protective factor for word learning among school-aged low socioeconomic status children*. Many Paths to Language Conference, Nijmegen, The Netherlands.
- [14.] Maguire, M.J., **Schneider, J.M.**, Melamed, T., Ralph, Y.K., Poudel, S. & Abel, A.D. (2020). *Developmental changes in the timing and topography of theta power during sentence processing corresponds to reading comprehension abilities*. The Summer Neurolinguistics School, Moscow, Russia.

PEER-REVIEWED CONFERENCE PRESENTATIONS (N = 93)

* student mentee

- [1.] **Schneider, J.M.** & Maguire, M.J. (April 2025). Socioeconomic status (SES) and cognitive outcomes are predicted by resting-state EEG in school-aged children. Poster presentation for the Society for Research in Child Development, Minneapolis, MN.
- [2.] Mao, X.Z., Hay, K., **Schneider, J.M.**, Do, K. & Grammer, J.K. (April 2025). Improving Teaching Design: A Case of Understanding Learners' Needs and Experiences in Online Learning. Poster presentation for the Society for Research in Child Development, Minneapolis, MN.
- [3.] Buenafe, M.**, Little, M.**, Oetting, J., & **Schneider, J.M.** (April 2025). Understanding how Differences in Caregiver Language Reinforcement during Play relate to Child Vocabulary. LSUS Regional Student Scholars Forum, Shreveport, LA.
- [4.] Buenafe, M.**, Little, M.**, Oetting, J., & **Schneider, J.M.** (April 2025). Understanding how Differences in Caregiver Language Reinforcement during Play relate to Child Vocabulary. LSU Discover Day Undergraduate Research & Creativity Conference, Baton Rouge, LA,
- [5.] Fan, T.* & **Schneider, J.M.** (March 2025). The Language-Specific Neural Basis of Word Learning from Context. Poster presentation for the Cognitive Neuroscience Society, Boston, MA.
- [6.] Momsen, J.P., **Schneider, J.M.** & Abel, A.D. (March 2024). Age and vocabulary differentially predict semantic access during word learning in school-aged children. Poster presentation for the Cognitive Development Society, Pasadena, CA.
- [7.] Fan, T.*, Decker, W.*, Momsen, J.P., Haebig, E. & **Schneider, J.M.** (February 2024). The facilitatory role of rhyme during implicit and explicit word learning. Society for Neuroscience, Baton Rouge Chapter, LA.
- [8.] Morini, G., **Schneider, J.M.**, & Iglesias, A. (July 2024). Intrasentential code-switching patterns in Spanish-speaking English learners. Poster presentation for the International Congress for the Study of Child Language.
- [9.] Marcinowski, E., Shabani, M.* & **Schneider, J.M.** (July 2024). The interaction of dyadic positioning, orientation, and locomotion during play between an infant and their parent. Poster presentation for the International Congress of Infant Studies.
- [10.] Maldonado, M.* & **Schneider, J.M.** (March 2024). Caregiver Beliefs and Practices Surrounding Child Development from a Racially and Socioeconomically Diverse Sample. Poster presentation for the Cognitive Development Society, Pasadena, CA.

- [11.] Betzer, L.* & **Schneider, J.M.** (March 2024). Dynamic assessments more accurately capture culturally and linguistically diverse children's vocabulary knowledge. Poster presentation for the Cognitive Development Society, Pasadena, CA.
 - [12.] Forest, M.* & **Schneider, J.M.** (March 2024). Ongoing racial bias in the PPVT: Implications for “word gap” researchers. Poster presentation for the Cognitive Development Society, Pasadena, CA.
 - [13.] **Schneider, J.M.** & Momsen, J. (October 2023). Cognitive and environmental factors during school-aged development and their relation to electrophysiological signatures of spoken sentence comprehension. Poster presentation for the Neurobiology of Language Society, Marseilles, France.
 - [14.] Lopez, S.L.*, Forest, M.*, Decker, W.* & **Schneider, J.M.** (October 2023). The Influence of Native Language on Motion Event Encoding: An ERP Study. Poster presentation for the Neurobiology of Language Society, Marseilles, France.
 - [15.] Decker, W.*, **Schneider, J.M.** & Cox, C. (October 2023). The Architecture of Auditory Statistical Learning in the Brain: A Dynamical Functional Connectivity Study. Poster presentation for the Neurobiology of Language Society, Marseilles, France.
 - [16.] Decker, W.*[†], Fan, T.* & **Schneider, J.M.** (March 2023). Neural Mechanisms of Novel Word Learning Through Rhyme in Adults. Poster presentation for the Cognitive Neuroscience Society, San Francisco, CA.
- [†] Mentee was awarded LSU Discover Grant to support this research project.
- [17.] Decker, W.* & **Schneider, J. M.** (September 2023). *Is EEG really better left alone for developmental datasets*. Poster presentation for the annual meeting of the Society for Psychophysiological Research (SPR). New Orleans, LA, USA.
 - [18.] Decker, W.* & **Schneider, J. M.** (July 2023). *Neural signal processing for developmental data*. Lightning talk presentation for the annual LSU Summer Undergraduate Research Forum (SURF). Baton Rouge, LA, USA.
 - [19.] Decker, W.* & **Schneider, J. M.** (July 2023). *Is EEG really better left alone for developmental datasets*. Poster presentation for the annual LSU Summer Undergraduate Research Forum (SURF). Baton Rouge, LA, USA.
 - [20.] Decker, W.*, Fan, T.*, Haebig, E., & **Schneider, J. M.** (March 2023). *Neural mechanisms of novel word learning through rhyme in adults*. Poster presentation for the Cognitive Neuroscience Society’s Annual Meeting. San Francisco, CA, USA.
 - [21.] **Schneider, J.M.**, Fan, T.*, Golinkoff, R., & Qi, Z. (March 2023). Input or Uptake? Statistical learning moderates the relationship between language input and vocabulary size. Poster presentation for the Cognitive Neuroscience Society, San Francisco, CA.
 - [22.] **Schneider, J.M.** & Momsen, J. (October 2023). Cognitive and environmental factors during school-aged development and their relation to electrophysiological signatures of spoken sentence comprehension. Poster presentation for the Neurobiology of Language Society, Marseilles, France.
 - [23.] Fan, T.*, Decker, W.* & **Schneider, J.M.** (March 2023). Domain-Specific Neural Profiles of Statistical Learning of Speech and Tone in Young Children. Poster presentation for the Cognitive Neuroscience Society, San Francisco, CA.
 - [24.] Brien, A.*, Betzer, L.*, & **Schneider, J.M.** (November 2022). The relationship between parental language input and child word learning. In Undergraduate Research Conference. University of Louisiana-Lafayette.
 - [25.] Decker, W. * & **Schneider, J.M.** (November 2022). Anxiety and Word Learning in College Students. In Undergraduate Research Conference. University of Louisiana-Lafayette.
 - [26.] Forest, M. *, Lopez, S. * & **Schneider, J.M.** (November 2022). The Influence of Grammar on Perception of Repeated Motion Events. In Undergraduate Research Conference. University of Louisiana-Lafayette.

- [27.] Betzer, L.*, Brien, A. * & **Schneider, J.M.** (November 2022). Effectiveness of Static vs Dynamic Language Assessments. In Undergraduate Research Conference. University of Louisiana-Lafayette.
- [28.] Wyble, A.*, Decker, W.*, Haebig, E. & **Schneider, J.M.** (November 2022). Rhyme And Reason: The Effects of Rhyme on Retrieval from Semantic Memory. In Undergraduate Research Conference. University of Louisiana -Lafayette
- [29.] **Schneider, J.M.**, Scott, T., Legault, J., Qi, Z. (October 2022). The heterogeneous engagement of the language network during statistical learning. In Neurobiology of Language Conference. Philadelphia, PA.
- [30.] **Schneider, J.M.**, Scott, T.L., Legault, J. & Qi, Z. (June 2022). The heterogeneous engagement of the language network during statistical learning. Poster presentation at the Interdisciplinary Advances in Statistical Learning, Donastia-San Sebastian, Spain.
- [31.] Buckalew, G.*, Ramirez, A. & **Schneider, J.M.** (April 2022). How a Mother's Question-Use Scaffolds their Child's Syntactic Development. Undergraduate poster presentation for the Cognitive Development Society, Madison, WI.
- [32.] Butler, K.[†] & **Schneider, J.M.** (April 2022). A Regional Specific Analysis of Brain Structure based on Food Deserts and Other Compounding Risk Factors Across Low SES Communities using sMRI. National Conference for Undergraduate Research. Virtual.
[†] Mentee was awarded LSU Discover Grant to support this research project.
- [33.] Butler, K.[†] & **Schneider, J.M.** (April 2022). A Regional Specific Analysis of Brain Structure based on Food Deserts and Other Compounding Risk Factors Across Low SES Communities using sMRI. LSU Discover Day, Baton Rouge, LA.
[†] Mentee was awarded LSU Discover Grant to support this research project.
- [34.] Decker, W.* & **Schneider, J.M.** (April 2022). Choosing an EEG System: Evaluating the Pros and Cons and Quality of Data Among Two Different Capping Approaches. LSU Discover Day, Baton Rouge, LA.
- [35.] Day, N.*, Moses, Z.* & Schneider, J.M. (November 2022). A literature review examining variability in the measurement of children's language environments, ASHA, New Orleans, LA.
- [36.] Haebig, E. & **Schneider, J.M.** (November 2022). The Role of Feedback During Retrieval-Practice: A Fast-Mapping Task in Children. ASHA, New Orleans, LA.
- [37.] **Schneider, J.M.**, McIlvain, G., Harrison, J. & Johnson, C.L. (April 2022). Structural integrity of the brain underlies associations between maternal language input and child vocabulary knowledge. Poster presentation for the Cognitive Development Society, Madison, WI.
- [38.] Harrison, J.*, McIlvain, G., Johnson, C.L. & **Schneider, J.M.** (2021). What is the Relationship Between Viscoelastic Brain Properties with Vocabulary Performance in Young Children? Poster for the INBRE Summer Scholars Undergraduate Research Symposium, virtual.
- [39.] Buckalew, G.*, Tran, A.*, Qi, Z. & **Schneider, J.M.** (2021). Who, What, When, Where, How, and Why does parental input contribute to syntactic development? Poster for the INBRE Summer Scholars Undergraduate Research Symposium, virtual.
- [40.] Tran, A.*, Buckalew, G.*, Qi, Z. & **Schneider, J.M.** (2021). The Impact of Parent-Child Interactions on Child Vocabulary Knowledge. Poster for the INBRE Summer Scholars Undergraduate Research Symposium, virtual.
- [41.] McIlvain, G., **Schneider, J.M.**, Matyi, M.A., DiFabio, M.S., Delgorio, P.L., McGarry, M.D.J., Spielberg, J.M., Qi, Z. & Johnson, C. (2021). Regional Brain Mechanical Properties Throughout Maturation from Childhood to Adulthood. Poster for the International Society of Magnetic Resonance in Medicine.

- [42.] **Schneider, J.M.**, Ackerman, R.A., Poudel, S.* & Maguire, M.J. (2021). Reading and vocabulary size in school differs on the basis of socioeconomic status. Poster presentation accepted to the International Association for the Study of Child Language (IASCL), Philadelphia, PA.
- [43.] McIlvain, G., **Schneider, J.M.**, Matyi, M.A., McGarry, M.D.J., Spielberg, J.M., Qi, Z. & Johnson, C. (2021). Dimorphic sex differences in brain viscoelastic properties from childhood to adulthood. Poster for the Organization of Human Brain Mapping (OHBM).
- [44.] Momsen, J.*, **Schneider, J.M.** & Abel, A.D. (2020). Developmental differences in neural oscillations supporting the identification of novel word meaning from context. Abstract submitted to the Neurobiology of Language Conference, Virtual Conference.
- [45.] Weng, Y.*, **Schneider, J.M.** & Qi, Z. (2020). Developmental changes in the neural prediction of auditory statistics. Psychonomics. Virtual Conference.
- [46.] Weng, Y.*, **Schneider, J.M.** & Qi, Z. (2020). Neural sensitivity to local and global distributional information in speech changes as a function of development. Abstract submitted to the Boston University Conference on Language Development, Boston, MA.
- [47.] **Schneider, J.M.**, Legault, J.L., & Qi, Z. (2020). Brain activation during statistical learning predicts adults' vocabulary. Poster accepted to the Organization for Human Brain Mapping Conference, Montreal, Canada.
- [48.] Weng, Y.L.*, **Schneider, J.M.** & Qi, Z. (2020). The neural mechanism of auditory statistical learning in adults and children. Poster submitted for the Cognitive Neuroscience Society, Boston, MA.
- [49.] **Schneider, J.M.**, Arnon, I., Nguyen, A. & Qi, Z. (2019). Does prior language experience hinder statistical learning? Poster for the Boston University Conference on Language Development, Boston, MA.
- [50.] Overstreet, B.S., Cook, C.V., Michalec, B., & **Schneider, J.M.** (2019). The Impact of a Parkinson's Disease Workshop on Student's Attitudes and Competencies Towards Interprofessional Collaboration. Poster for the Mid-Atlantic Regional Meeting for the American College of Sports Medicine, Harrisburg, PA.
- [51.] Michalec, B., Mackenzie, M., **Schneider, J.M.** & Hafferty, F.W. (2019). A new approach to (teaching) empathy and the development for the I-TEAM™ program. Poster for the CENTILE Conference, Washington D.C.
- [52.] **Schneider, J.M.**, Weng, Y.L.*, Kozloff, V.*, Nguyen, A., & Qi, Z. (2019). Neural sensitivity to speech distributional information underlies statistical learning. Poster for the Neurobiology of Language Conference, Helsinki, Finland.
- [53.] Maguire, M.J., **Schneider, J.M.**, Ralph, Y.K., Poudel, S., & Melamed, T. (2019). Temporal and topographical changes in theta power between middle childhood and adulthood during sentence comprehension. Poster for the Society for Research in Child Development, Helsinki, Finland.
- [54.] Poudel, S.*, **Schneider, J.M.**, Ralph, Y.K., & Maguire, M.J. (2019). How Much Sleep is Enough Sleep? Effects of Self-reported Sleep Hours on the Brain Functions of School-age-children. Poster for the FLUX Society Conference, New York City, NY.
- [55.] Stetson, H.*†, **Schneider, J.M.**, & Qi, Z. (2019). Clarifying the Neural Underpinnings supporting processing Speech Distributional Information. Poster for Delaware INBRE Summer Scholars Undergraduate Research Symposium, The University of Delaware, Newark, DE.
† Mentee was awarded INBRE Summer Scholar Performance Award.
- [56.] Mendez, K.*, Weng, Y.*, **Schneider, J.M.** & Qi, Z. (2019). Examining EEG Data Retention Differences between Neurotypical Children and Children with Autism Spectrum Disorder. Poster for Delaware INBRE Summer Scholars Undergraduate Research Symposium, The University of Delaware, Newark, DE.

- [57.] **Schneider, J.M.**, Poudel, S.*, & Maguire, M.J. (2019). Exploring the Complex Relationship Between SES and Vocabulary in Grade School. Poster for the Society of Research in Child Development, Baltimore, MD.
- [58.] Weng, Y.*, **Schneider, J.M.** & Qi, Z. (2019). The neural basis of auditory statistical learning at the global and local levels. Poster for the Neuroscience Symposium at the University of Delaware, Newark, DE.
- [59.] **Schneider, J.M.** & Maguire, M.J. (2018). The poor do poorer: how coming from a low-income home impacts brain and language development. Poster for the FLUX Society Conference, Berlin, Germany.
- [60.] **Schneider, J.M.** & Maguire, M.J. (2018). Developmental differences in the neural mechanisms supporting natural sentence comprehension. Poster for the Society for the Neurobiology of Language Conference, Quebec City, Quebec, Canada.
- [61.] Tharp, E.K.*, Ralph, Y.K.*, **Schneider, J.M.** & Maguire, M.J. (2018). Lower beta suppression during early verb learning. Poster for the Society for the Neurobiology of Language Conference, Quebec City, Quebec, Canada.
- [62.] Ralph, Y.K.*, **Schneider, J.M.** & Maguire, M.J. (2018). SES differences in patterns of neural engagement during successful word learning. Poster for the Society for the Neurobiology of Language Conference, Quebec City, Quebec, Canada.
- [63.] Lara, H.*, **Schneider, J.M.**, & Maguire, M.J. (2018). Neural differences between Nouns and Verbs in Children. Poster for the Master's in Psychological Science program at the University of Texas at Dallas, Richardson, TX.
- [64.] Ravel, V.M.* †, **Schneider, J.M.**, Ralph, Y.K., Osborne, D.S.*, Tharp, E.K.* & Maguire, M.J. (2018). Everybody has their relations. Semi-Finalist poster for the Undergraduate Research Award Forum, Richardson, TX.
† Mentee was selected to advance to finals for Poster Competition.
- [65.] Ratliff, H.*, Ralph, Y.K.*, **Schneider, J.M.** & Maguire, M.J. (2018). Differences in neural activity related to performance in a Go/NoGo task. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Richardson, TX.
- [66.] Gallegos, E.*, **Schneider, J.M.**, Lopez, M. Ralph, Y.K. & Maguire, M.J. (2018). The relationship between a chaotic home environment and language processing in children. Poster for the Cognitive Neuroscience Society Conference, Boston, MA.
- [67.] **Schneider, J.M.** & Maguire, M.J. (2017). Oscillatory dynamics identify unique neural processes beyond event-related responses during auditory sentence comprehension. Poster for the Society for the Neurobiology of Language Conference, Baltimore, MD.
- [68.] Lopez, M.*, **Schneider, J.M.**, Abel, A.D., Poudel, S. & Maguire, M.J. (2017). The influence of memory on word learning in bilingual children. Cognitive Development Society Bi-annual Conference. Portland, Oregon.
- [69.] **Schneider, J.M.** & Maguire, M.J. (2017). Socioeconomic status differences in children's resting state EEG are correlated to vocabulary size. Poster for the Many Paths to Language conference, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands.
- [70.] Quezada, H.*, **Schneider, J.M.**, & Maguire, M.J. (2017). Using coherence to understand resting state differences between children from low and middle socioeconomic homes. Poster for the Undergraduate Research Award Forum, Richardson, TX.
- [71.] **Schneider, J.M.**, Abel, A.D. & Maguire, M.J. (2017). Knowing when you don't know: How perceived confidence may contribute to the vocabulary gap. Poster for the Society of Research in Child Development, Austin, Texas.
- [72.] **Schneider, J.M.**, Maguire, M.J., & Abel, A.D. (2017). Developmental differences in neural oscillations reveal role of prediction in noun and verb learning. Poster for the Society of Research in Child Development, Austin, Texas.

- [73]. Calabrese, C.*, **Schneider, J.M.** & Maguire, M.J. (2017). The influence of confidence during word learning between children from low and middle socioeconomic homes. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [74]. **Schneider, J.M.**, Wood, M.*, Quezada, H.*, & Maguire, M.J. (2017). Using coherence to tap into the untapped brain. Poster for the Society of Applied Multivariate Research, San Antonio, Texas.
- [75]. Abel, A.D., **Schneider, J.M.**, & Maguire, M.J. (2016). Changes in neural oscillations provide insight into the engagement of cognitive processes during word learning. Poster for the Society for the Neurobiology of Language Conference, London, England.
- [76]. **Schneider, J.M.**, Maguire, M.J., & Abel, A.D. (2016). Alpha power reflects prediction differences in learning of nouns and verbs. Poster for the Society for the Neurobiology of Language Conference, London, England.
- [77]. Pattisapu, C.*, Wood, M.*, **Schneider, J.M.** & Maguire, M.J. (2016). Deficit or delay? Resting state EEG and performance disparities correlated with SES. Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [78]. Middleton, A.E., Vesper, F.*, **Schneider, J.M.**, & Maguire, M.J. (2015). Developmental differences in the modulation of theta during semantic inhibition tasks. Poster for the Society for the Study of Human Development, Austin, Texas.
- [79]. Ralph, Y.*, **Schneider, J.M.**, & Maguire, M.J. (2015). The interaction of imageability and word class during semantic retrieval. Poster for the Society for the Neurobiology of Language Conference, Chicago, Illinois.
- [80]. **Schneider, J.M.**, Abel, A.D., Ogiela, D.A., Middleton, A.E., & Maguire, M.J. (2015). Developmental differences in neural oscillations supporting online sentence processing. Poster for the Society for the Neurobiology of Language Conference, Chicago, Illinois.
- [81]. Zeller, A., Abel, A.D., **Schneider, J.M.**, Sharp, B.J., & Maguire, M.J. (2015). Surrounding linguistic context influences the role of neural oscillations underlying word learning. Poster for the Society for the Neurobiology of Language Conference, Chicago, Illinois.
- [82]. **Schneider, J.M.**, Abel, A.D., Ogiela, D. & Maguire, M.J. (2015). Developmental differences in theta and beta during online sentence processing. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [83]. Pavuluri, A.*, Middleton, A.E., **Schneider, J.M.**, & Maguire, M.J. (2015). Theta Oscillations for retrieving semantically related versus unrelated information in children. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [84]. Quadir, M.*, Middleton, A.E., **Schneider, J.M.**, & Maguire, M.J. (2015). Developmental differences in theta engagement during semantic inhibition tasks. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [85]. Ralph, Y.*, **Schneider, J.M.**, Middleton, A.E., Sides, L. & Maguire, M.J. (2015). The influence of imageability and word class on semantic processing. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [86]. Hocson, M.S.*, **Schneider, J.M.**, Middleton, A.E., Ogiela, D. & Maguire, M.J. (2015). Developmental differences in beta engagement during noun and verb syntactic processing. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [87]. **Schneider, J.M.** & Maguire, M.J. (2015). Using time-frequency analysis and nonparametric testing to investigate language development. Poster for the Society for Applied Multivariate Research, Wichita, Kansas.
- [88]. **Schneider, J.M.** & Maguire, M.J. (2014). Neural Oscillations provide insight into developmental differences between children and adults during auditory sentence processing. Poster for the Society for the Neurobiology of Language Conference, Amsterdam, Netherlands.
- [89]. **Schneider, J.M.** & Maguire, M.J. (2014). Children use content words to make grammatical

- judgments in naturally paced speech. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [90.] Fitzhugh, A.E., **Schneider, J.M.** & Maguire, M.J. (2014). Effects of language modality on theta band changes during semantic priming. Poster for the Promotion of Academic and Clinical Excellence Research Forum, Dallas, TX.
- [91.] **Schneider, J.M.**, Abel, A., McCord, J.*, & Maguire, M.J. (2013). Changes in neural oscillations during naturally paced sentence processing. Poster for the Society for the Neurobiology of Language Conference, San Diego, CA.
- [92.] **Schneider, J.M.**, Jackson, M.*, Ogiela, D., Magnon, G., & Maguire, M.J. (2013). Time frequency analysis of the time-locked EEG signal reveals left hemisphere theta activity during semantic retrieval in children. Poster for the biannual Society for Research in Children Development Conference, Seattle, WA.
- [93.] Maguire, M.J., Ogeila, D., Magnon, G. & **Schneider, J.M.** (2013). Neuronal correlates of grammatical processing in SLI and typical children provides insights about working memory in language comprehension. Poster for the biannual Society for Research in Children Development Conference, Seattle, WA.

AWARDS AND HONORS

- 2024 Early Career Research Award, Cognitive Development Society, Pasadena, CA.
- 2023 Faculty Travel Grant, LSU Office of Research and Economic Development, \$1000
- 2023 Faculty Mentor, LSU Discover Undergraduate Research Project Grant, Will Decker, \$3000
- 2022 2023 Research Impact Award, Early Childhood Education Institute, Louisiana State University
- 2022 Selected Attendee for 2022 ORED Summer Institute, ORED, Louisiana State University, \$1,200
- 2022 Selected S-L Faculty Fellow for Service-Learning Fellowship Program, CCELL, Louisiana State University, \$1,500
- 2022 Faculty Mentor, LSU Discover Undergraduate Research Project Grant, Kennedy Butler, *A Regional Specific Analysis of Brain Structure based on Food Deserts and Other Compounding Risk Factors Across Low SES Communities using sMRI*, \$3000.
- 2020 Selected as 2020 ReproNim/INCF Fellow to attend OHBM Hackathon & Workshop, Montreal, CA.
- 2019 Selected Attendee for ASHA's Lessons for Success, ASHA Foundation, Rockville, MD.
- 2018 Selected Attendee for Neurohackademy, University of Washington
- 2018 Best Dissertation in Brain & Behavioral Sciences Award, Dean of Graduate Studies, University of Texas at Dallas, \$1500
- 2017 Bio-Behavioral Sciences Outstanding Student Research Award, Brain and Behavioral Sciences, The University of Texas at Dallas, \$2800
- 2015 Outstanding Poster Presentation (Second Place), Society for Applied Multivariate Research, \$100.

TEACHING AND ADVISING

COURSES TAUGHT

* indicates graduate course

Assistant Professor, Louisiana State University

Anatomy & Physiology of Speech-Language

Fall 2021, Spring 2022

Culturally Responsive Practice (Service-Learning)*

Fall 2021, Spring 2022, 2023

The Development of Spoken Language

Fall 2022, 2023

Lecturer, University of Delaware

Neurobiology of Language

Spring 2021

Reproducible Methods in Neuroscience*

Spring 2021

Lecturer, University of Texas at Dallas

Normal Language Development

Summer 2018

Experimental Projects in Psychology

Summer 2015, 2016

Graduate Teaching Assistant, University of Texas at Dallas

Child Development

Fall 2017, Spring 2018

Crisis Communication

Spring 2018

Interpersonal Communication

Spring 2018

Graduate Cognitive Development*

Spring 2017

Graduate Advanced Research Methods I*

Fall 2015

Child Psychopathology

Spring 2015

Cognitive Development

Fall 2013/2014, Spring 2014

MEMBER OF DOCTORAL DISSERTATION COMMITTEE

Tengwen Fan (Ph.D. expected 2026)

Stephanie Lopez (Ph.D. expected
2025)**CHAIR OF MASTER'S THESIS COMMITTEE**

Lauren Betzer (2025)

Maria Maldonado (2024)

Nick Day (2023)

MEMBER OF MASTER'S THESIS COMMITTEE

Alaniss Sabillon (2024)

Kayla Martin (2024)

Chantal H Farag (2023)

Taylor G. Hale (2023)

Claire Bourgeois (2022)

Caitlyn Kearns (2022)

Hannah Stetson (2021)

CHAIR OF UNDERGRADUATE HONORS THESIS

Lauren Betzer (2023)

MEMBER OF UNDERGRADUATE HONORS THESIS

Will Decker (2024)

DEAN'S REPRESENTATIVE ON DISSERTATION COMMITTEE

Steve Dillingham (School of Music, Ph.D. granted 2023)

Erin M. Demastes (School of Music, Ph.D. granted 2023)

PROFESSIONAL MEMBERSHIP

2023 – Present	Member of the Cognitive Neuroscience Society
2023 – Present	Member of the FLUX Congress
2018 – Present	Member of the Child Development Society
2017 – 2018	President of the Society for Applied Multivariate Research
2015 – Present	Member of the Society for the Neurobiology of Language
2013 – Present	Member of the Society for Research in Child Development

SERVICE TO THE PROFESSION

AD HOC REVIEW

Journal of Neurodevelopmental Disorders
Cognition
Cerebral Cortex
Cognitive Development
Journal for the Neurobiology of Language
Language, Cognition, and Neuroscience
Nature: Scientific Reports
Cortex; Applied Psycholinguistics
Developmental Cognitive Neuroscience
Neuropsychologia
Brain and Language
PLOS ONE
NeuroImage
Brain and Behavior
Brain & Neuroscience Research
Many Paths to Language Conference
Pediatrics

OTHER SERVICE

April 2025	<i>SPRF Reviewer</i> , National Science Foundation.
November 2024	<i>Developmental Sciences Grant Reviewer</i> , National Science Foundation.
October 2024	<i>CAREER Developmental Sciences Grant Reviewer</i> , National Science Foundation.
February 2024	<i>SPRF Reviewer</i> , National Science Foundation.

SERVICE TO THE INSTITUTION

2023-2024	<i>Secretary</i> , Society for Neuroscience Baton Rouge Chapter
2023-2024	<i>Executive Committee Member</i> , Multidisciplinary Initiative for Neuroscience Discovery (MIND), Louisiana State University
2022-2024	<i>Chair</i> , Juneau Research Fund for Child Language, Louisiana State University.
2021-2024	<i>Chair</i> , Multidisciplinary Initiative for Neuroscience Discovery Grant Discussion Group, Louisiana State University.

SERVICE TO THE DEPARTMENT

2021-2024	Faculty Coordinator for LSU Teaching Assistants in Communication Sciences and Disorders.
2021-2024	Faculty Coordinator for Integrative Learning Cooperative courses in Communication

Sciences and Disorders (COMD 2050).