

Julie M. Schneider, Ph.D.
Curriculum Vitae

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Department of Communication Sciences
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EDUCATION

University of Texas at Dallas Ph.D. Psychological Sciences Advisor: Mandy J. Maguire, PhD Dissertation: <i>Identifying differences in the neural correlates underlying semantic and syntactic development</i>	2018
University of Texas at Dallas M.S. Applied Cognition and Neuroscience Advisor: Mandy J. Maguire, PhD Thesis: <i>Developmental differences in neural oscillations during processing of open and closed class words</i>	2013
Texas Tech University B.A. English in Honor Studies Minor: Psychology	2011

PROFESSIONAL APPOINTMENTS AND AFFILIATIONS

Assistant Professor Louisiana State University College of Humanities & Social Sciences Department of Communication Sciences & Disorders	2020-Current
NSF Postdoctoral Research Fellow University of Delaware College of Arts & Sciences Department of Linguistics and Cognitive Sciences	2018-2021

GRANT SUPPORT

Infants and Screens Interdisciplinary Research Grants Program Institute of Digital Media and Child Development (PI: J.M. Schneider, Ph.D) <i>Developmental disruptions? Examining how environmental digital noise shapes infant language development</i> Co-PI: Sarah Kucker, Ph.D.	Under Review Amount: \$135,000
ASHA New Century Scholars Research Grant #NCSRG11705 (PI: J.M. Schneider, Ph.D) <i>Using Rhyme for a Reason: A randomized-controlled trial to maximize word learning among children from low SES homes</i> Consultant: Jacob Momsen, A.B.D.	Under Review Amount: \$24,823
NICHD R15 #13811679 (PI: J.M. Schneider, Ph.D.)	Under Review Amount: \$432,495

Using Rhyme for a Reason: Adapting vocabulary interventions to maximize word learning among children from low SES homes.

Co-Investigator: Eileen Haebig, Ph.D.

Collaborator: Jacob Momsen, A.B.D.

Manship Summer Faculty Research Grant

(PI: J.M. Schneider, Ph.D.)

College of Humanities and Social Sciences

Louisiana State University

Adapting Storybook Vocabulary Interventions to Maximize Word Learning among Low SES Children

06/01/2023-06/31/2023

Amount: \$5,000

NSF DS # 2141007

(PI: J.M. Schneider, Ph.D.)

Informing Interventions: improving the measurement of children's vocabulary knowledge and caregiver input in the Deep South

Co-Investigator: Janna Oetting, Ph.D.

Collaborators: Pam Hadley, Ph.D. & Aquiles Iglesias, Ph.D.

09/01/2022-09/01/2025

Amount: \$365,766

Manship Summer Faculty Research Grant

(PI: J.M. Schneider, Ph.D.)

College of Humanities and Social Sciences

Louisiana State University

Using rhyme for a reason: identifying and ameliorating gaps in word learning among children from low socioeconomic homes

06/01/2022-06/31/2022

Amount: \$5,000

LSU Discover Student Project Grant

(PI: K. Butler, Mentor: J.M. Schneider, Ph.D.)

A Regional Specific Analysis of Brain Structure based on Food Deserts and Other Compounding Risk Factors Across Low SES Communities using sMRI

01/15/2022-05/15/2022

Amount: \$1,500

Society for Research in Child Development

Early Career Award

(PI: J.M. Schneider, Ph.D.)

Informing Interventions: pinpointing how linguistic input contributes to vocabulary variability in the Deep South

07/15/2021-07/15/2022

Amount: \$7,500

NSF SBE SPRF-FR #1911462

(PI: J.M. Schneider, Ph.D.)

National Science Foundation (NSF)

What matters the most? Investigating the contribution of maternal language input and statistical learning to low SES children's brain and vocabulary development

Sponsors: Zhenghan Qi, Ph.D. & Roberta M. Golinkoff, Ph.D.

08/15/2019-08/15/2021

Amount: \$138,000.00

COBRE Neuroscience Grant for Pilot Funding

(PI: J.M. Schneider, Ph.D.)

University of Delaware

NIH Centers of Biomedical Research Excellence

Co-Investigators: Zhenghan Qi, Ph.D. & Curtis Johnson, Ph.D.

08/15/2019-08/15/2021

Amount: \$8,000

Dean of Graduate Studies Dissertation Research Awards
(PI: J.M. Schneider, Ph.D.)

University of Texas at Dallas

Identifying the neural oscillations underlying semantic and syntactic development during real time auditory sentence processing

05/2017-02/2018
Amount: \$3,500.00

PhD Research Small Grants Program

(PI: J.M. Schneider, Ph.D.)

University of Texas at Dallas

Identifying the neural oscillations underlying semantic and syntactic development during real time auditory sentence processing

01/2017-05/2017
Amount: \$1,000.00

PEER REVIEWED PUBLICATIONS

(*denotes mentee)

2023

- [22.] Huang, R., Baker, E. & **Schneider, J.M.** (accepted). 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.** & Abel, A.D. (2022). Developmental differences in EEG oscillations supporting the identification of novel word meaning. *Developmental Cognitive Neuroscience*.
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4073273
- [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 hierarchical prediction with 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., Mikhail, D. & Abel, A.D. (2022). Temporal and topographical changes in theta power between middle childhood and adolescence during sentence comprehension. *Developmental Cognitive Neuroscience*.

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*.
<https://osf.io/pk524/>

- [13.] Michalec, B., Mackenzie, M. & **Schneider, J.M.** (2021). Teaching empathy in an interprofessional setting with a focus on de-categorization: Introducing I-TEAM. *Journal of Interprofessional Education & Practice*.

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.
- [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.
- [5.] Maguire, M.J., **Schneider, J.M.**, Middleton, A.E., Ackerman, R., Ralph, Y.K.*, Lopez, M., & Abel, A.D. (2018). The influence of socioeconomic status on word learning from written context in grade school. *Journal of Experimental Child Psychology*.

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

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

PUBLICATIONS UNDER REVIEW

(*denotes mentee)

- [1.] **Schneider, J.M.**, Scott, T.L., Legault, J. & Qi, Z. (under revision). The heterogeneous engagement of language brain regions during auditory statistical learning: an fMRI study. *Cerebral Cortex*.

OTHER PUBLICATIONS

- [1.] 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.
- [2.] **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/>

TEACHING EXPERIENCE

Lecturer

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

University of Delaware

Cognitive Neuroscience of Language Learning	Spring 2021
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University of Texas at Dallas

Normal Language Development	Summer 2018
Experimental Design and Projects	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

POSTER PRESENTATIONS

(*denotes mentee/advisee)

- [1.] 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.
- [2.] Decker, W. * & **Schneider, JM.** (November 2022). Anxiety and Word Learning in College Students. In Undergraduate Research Conference. University of Louisiana-Lafayette.

- [3.] 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.
- [4.] Betzer, L.*, Brien, A. * & **Schneider, J.M.** (November 2022). Effectiveness of Static vs Dynamic Language Assessments. In Undergraduate Research Conference. University of Louisiana-Lafayette.
- [5.] 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
- [6.] **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.
- [7.] **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.
- [8.] 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.
- [9.] 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.
- [10.] 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.
- [11.] 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.
- [12.] 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.
- [13.] Haebig, E. & **Schneider, J.M.** (November 2022). The Role of Feedback During Retrieval-Practice: A Fast-Mapping Task in Children. ASHA, New Orleans, LA.
- [14.] **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.
- [15.] 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.
- [16.] 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.
- [17.] 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.
- [18.] 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.

- [19.] **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.
- [20.] 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).
- [21.] 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.
- [22.] Weng, Y.*, **Schneider, J.M.** & Qi, Z. (2020). Developmental changes in the neural prediction of auditory statistics. Psychonomics. Virtual Conference.
- [23.] 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.
- [24.] **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.
- [25.] 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.
- [26.] **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.
- [27.] 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.
- [28.] 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.
- [29.] **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.
- [30.] 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.
- [31.] 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.
- [32.] 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.
- [33.] 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.

- [34.] **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.
- [35.] 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.
- [36.] **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.
- [37.] **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.
- [38.] 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.
- [39.] 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.
- [40.] 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.
- [41.] 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.
- [42.] 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.
- [43.] 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.
- [44.] **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.
- [45.] 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.
- [46.] **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.
- [47.] 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.
- [48.] **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.
- [49.] **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.

- [50.] 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.
- [51.] **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.
- [52.] 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.
- [53.] **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.
- [54.] 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.
- [55.] 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.
- [56.] 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.
- [57.] **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.
- [58.] 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.
- [59.] **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.
- [60.] 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.
- [61.] Qadir, 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.
- [62.] 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.
- [63.] 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.
- [64.] **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.
- [65.] **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.

- [66.] **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.
- [67.] 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.
- [68.] **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.
- [69.] **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.
- [70.] 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.

PUBLIC ORAL PRESENTATIONS

(*denotes mentee/advisee)

- [1.] **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.
- [2.] **Schneider, J.M.** (2023). One size does not fit all: Implications for the Vocabulary Gap. Invited talk, Psychology Department, University of Washington.
- [3.] **Schneider, J.M.** (2022). *Towards a social-bioecological model of language development*. Invited talk, School of Veterinary Medicine, Louisiana State University.
- [4.] **Schneider, J. M** (2022). *What neural oscillations reveal about auditory sentence processing throughout childhood*. Invited symposium (Chair: Wang). Society for the Neurobiology of Language, Philadelphia, PA.
- [5.] **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.
- [6.] **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.
- [7.] 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.
- [8.] **Schneider, J.M.** (2020). *Individual variability in word learning during the school years: The role of brain and home environment*. Invited internal presentation by the College of Education. University of Delaware, Newark, DE.
- [9.] **Schneider, J.M.** (2020). *The role home environment has upon word learning during the school years*. Invited talk at George Washington University, Washington, DC.
- [10.] **Schneider, J.M.** (2020). *Individual variability in word learning during the school years: The role of the brain and home environment*. Invited talk at Louisiana State University, Baton Rouge, LA.

- [11.] Cook, C., Michalec, B., Overstreet, B. & **Schneider, J.M.** (2019). *Learning About, From, and With Each Other: An Innovative Model for Interprofessional Education*. Oral Presentation for the American Speech-Language-Hearing Association, Orlando, FL.
- [12.] **Schneider, J.M.**, Weng, Y.*, Kozloff, V.*, Qi, Z. (2019). *Neural sensitivity to speech distributional information: a mechanism underlying auditory statistical learning*. Oral Presentation for the 4th Annual New England Research on Dyslexia Society (NERDY) Meeting, Boston, MA.
- [13.] **Schneider, J.M.** & Maguire, M.J. (2019). *Word Learning and Brain Maturation Contribute to Vocabulary Variability Amongst low SES Children*. In **J.M. Schneider** (Chair) *The Neural Basis of Word Learning*. Symposium conducted at the Biennial meeting for the Society of Research in Child Development, Baltimore, MD.
- [14.] **Schneider, J.M.** & Corretti, C.A. (2018). *Bridging the Gap(s): Using moderation analysis to bridge the vocabulary gap and the cross-disciplinary gap*. Oral Presentation for the Society for Applied Multivariate Research at the Southwest Psychological Association Conference, Houston, Texas.
- [15.] **Schneider, J.M.**, Abel, A.D., & Maguire, M.J. (2017). *Moving from unknown to known: Developmental differences and changes in neural oscillatory processing as a word is learned*. Oral Presentation for the Cognitive Development Society Bi-annual Conference. Portland, Oregon.
- [16.] **Schneider, J.M.** (2020). *Individual variability in word learning during the school years: The role of brain and home environment*. Invited internal presentation by the College of Education. University of Delaware, Newark, DE.

SERVICE/AFFILIATIONS

Society Affiliations.

Past President of the Society for Applied Multivariate Research
 Member of the Society for the Neurobiology of Language
 Member of the Society for Research in Child Development

Reviewer.

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

HONORS/AWARDS

Outstanding Poster Presentation (Second Place)	Society for Applied Multivariate Research, 2015, \$100
Bio-Behavioral Sciences Outstanding Student Research Award	University of Texas at Dallas, 2017, \$2800
Best Dissertation in Brain & Behavioral Sciences Award	Dean of Graduate Studies, University of Texas at Dallas, 2018, \$1500
Selected 2018 Attendee for Neurohackademy	University of Washington
Selected 2019 Attendee for ASHA's Lessons for Success	ASHA Foundation, Rockville, MD
Selected as 2020 ReproNim/INCF Fellow to attend OHBM Hackathon & Workshop	Montreal, Canada
Selected S-L Faculty Fellow for 2022 Service-Learning Fellowship Program	CCELL, Louisiana State University, \$1,500
Selected Attendee for 2022 ORED Summer Institute	ORED, Louisiana State University, \$1,200

