

CURRICULUM VITAE  
**MARISA LYTLE**  
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## EDUCATION

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**Doctor of Philosophy in Developmental Psychology** *May 2025 (Anticipated)*  
The Pennsylvania State University, University Park, PA  
Advisor: Koraly Pérez-Edgar, Ph.D.

**Bachelors of Arts in Neuroscience and Child Development** *May 2017*  
Vanderbilt University, Nashville, TN  
GPA: 3.98, *Summa Cum Laude*  
Minor: Women and Gender Studies

## PUBLICATIONS

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Wang, J., **Lytle, M. N.**, Weiss, Y., Yamasaki, B. L., & Booth, J. R. (2022). A longitudinal neuroimaging dataset on language processing in children ages 5, 7, and 9 years old. *Scientific Data*, 9(1), 4. <https://doi.org/10.1038/s41597-021-01106-3>

**Lytle, M. N.**, Burman, D. D., & Booth, J. R. (2021). A neuroimaging dataset on response inhibition and selective attention in adults and children with and without ADHD. *Data in Brief*, 37, 107158.

**Lytle, M. N.**, Prado, J., & Booth, J. R. (2020). A neuroimaging dataset of deductive reasoning in school-aged children. *Data in Brief*, 33.

**Lytle, M. N.**, Hammer, R., & Booth, J. R. (2020). A neuroimaging dataset on working memory and reward processing in children with and without ADHD. *Data in Brief*, 31, 105801.

**Lytle, M. N.**, Bitan, T., & Booth, J.R. (2020). A neuroimaging dataset on orthographic, phonological and semantic word processing in school-aged children. *Data in Brief*, 28, 105091

**Lytle, M. N.**, McNorgan, C., & Booth, J.R. (2019). A longitudinal neuroimaging dataset on multisensory lexical processing in school-aged children. *Scientific Data*, 6, 329

Suárez-Pellicioni, M., **Lytle, M.**, Younger, J.W., & Booth, J.R. (2019). A longitudinal neuroimaging dataset on arithmetic processing in school children. *Scientific Data*, 6, 190040.

Noel, J.P., **Lytle, M.**, Cascio, C., & Wallace, M.T. (2018). Disrupted integration of exteroceptive and interoceptive signaling in autism spectrum disorder. *Autism Research*, 10.1002/aur.1880.

Pegg, S., **Lytle, M. N.**, Arfer, K., & Kujawa, A. (Accepted). Neural Markers of Sensitivity to Peer Acceptance and Rejection: An Examination of the Psychometric Properties of Event-Related Potentials in Social Processing. *Psychophysiology*.

Yamasaki, B. L., Bitan, T., Dronjic, V., Nathaniel, U., **Lytle, M. N.**, Eidelsztein, S., Nir, B., & Booth, J. R. (In Principal Acceptance). The role of prior knowledge in morphological learning in an artificial second language. \*Registered Report

## PRESENTATIONS

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**Lytle, M.N.**, Zhou, A.M., Thomas, C., Youatt, E.A., Witherspoon, D.P., LoBue, V., Buss, K.A., Pérez-Edgar, K. (2021, November). *Associations between Neighborhood, Maternal Internalizing Symptoms, and Infant Parasympathetic Nervous System Activity*. Poster presented at the International Society for Developmental Psychobiology, Chicago, Illinois.

**Lytle, M.N.**, Vallorani, A., Morales, S., Pérez-Edgar, K. (2021, September). *EEG Delta Activity Response to Peer Feedback in Young Children is associated with Internalizing Problems*. Poster presented at Flux Society Virtual Congress.

∅ **Lytle, M.N.** & Booth, J.R. (2020, June). *Sharing large-scale neuroimaging datasets in educational neuroscience*. Oral presentation at International Mind, Brain and Education Society, Montreal, Canada.

\***Lytle, M.N.** (2020, February). *Data Sharing in Psychology and Neuroimaging Research*. Oral presentation given at Psychology and Human Development Department Cognitive Science of Learning and Development Research Forum, Vanderbilt University, Nashville, Tennessee.

**Lytle, M. N.**, McNorgan, C., & Booth, J. R. (2019, September). *A public longitudinal dataset on the brain correlates of multisensory lexical processing*. Poster presentation given at the Vanderbilt Kennedy Center Science Day, Nashville, Tennessee.

\*Slides/poster available on Open Science Framework ([osf.io](https://osf.io))

∅ Cancelled due to COVID-19

## PUBLIC DATASETS

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Booth, J.R., Binzak, J., Demir-Lira, O.E., **Lytle, M.N.**, Mutreja, R., Prado, J. (2020). Brain Development of Deductive Reasoning. *OpenNeuro*. <https://doi.org/10.18112/openneuro.ds002886.v1.0.0>

Booth, J.R., Cook, G.E., Gayda, J., Hammer, R., **Lytle, M.N.**, Stein, M.A., Tennekoon, M. (2020). Reward and Working Memory in Attention Deficit Hyperactivity Disorder (ADHD). *OpenNeuro*. <https://doi.org/10.18112/openneuro.ds002424.v1.1.0>

Booth, J.R., Bigio, J., Bitan, T., Bolger, D., Burman, D., Cao, C., Chou, T., Cone, N., Gayda, J., Lu, D., **Lytle, M.N.**, Minas, J. (2019). Cross-Sectional Multidomain Lexical Processing. *OpenNeuro*. <https://doi.org/10.18112/openneuro.ds002236.v1.0.0>

Booth, J.R., Brennan, C., Demir-Lira, O.E., Desroches, A., Ekerdt, C., Gullick, M.M., **Lytle, M.N.**, McNorgan, C., Randazzo-Wagner, M., Weiss, Y., Younger, J.W. (2019). Longitudinal

Brain Correlates of Multisensory Lexical Processing in Children. *OpenNeuro*.  
<https://doi.org/10.18112/openneuro.ds001894.v1.3.1>

Booth, J.R., Berteletti, I., Binzak, J., Demir-Lira, O.E., **Lytle, M.N.**, Mutreja, R., Prado, J.,  
Suarez-Pellicioni, M., Younger, J.W. (2018). Brain Correlates of Math Development.  
*OpenNeuro*. <https://doi.org/10.18112/openneuro.ds001486.v1.2.1>

## **AWARDS & HONORS**

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ISDP Student Member Travel/Abstract Award	2021
Enhanced Graduate Scholar Award, <i>The Pennsylvania State University</i>	2020

## **RESEARCH EXPERIENCE**

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**Cognition, Affect, and Temperament Lab**, The Pennsylvania State University  
*Graduate Researcher* Aug. 2020 – Present

PI: Koraly Pérez-Edgar, PhD

**Brain Development Laboratory**, Vanderbilt University  
*Research Assistant II* Mar. 2019 – Aug. 2020  
*Research Assistant I* Sept. 2017 – Mar. 2019

PI: James R. Booth, PhD

**Mood, Emotion, & Development Lab**, Vanderbilt University  
*Research Assistant* June 2019 – July 2020

PI: Autumn Kujawa, PhD

**Multisensory Research Laboratory**, Vanderbilt University  
*Undergraduate Research Assistant* Jan. 2015 – June 2016

PI: Mark Wallace, PhD

## **SERVICE**

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**Professional**  
Next-Gen Psych Scholars Program Graduate Assistant Aug. 2021 – Present  
Area Liaison to the DGS, Department of Psychology, PSU Dec. 2020 – Dec. 2021

**Community**  
L.E.A.D. Troop Leader, Girl Scouts of Middle Tennessee 2019 – 2020  
Clinic Greeter and Volunteer, PPTNM 2016 – 2019  
Grade 6 Instructor, Vanderbilt Students Volunteering for Science 2016 – 2017  
Classroom Volunteer, Kent School District 2008 – 2017