

Sarah Marie Lyle, M.S.
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Current Position

2017 – **Graduate Student Research Assistant**, University of Georgia
Behavioral and Brain Sciences Program
Department of Psychology

Education

2017 –	Ph.D.	Developmental and Health Psychology Advisor: Dr. Katie Ehrlich <i>Quantitative Methods in Family Science Certificate</i>	University of Georgia Athens, GA
2015 – 2017	M.S.	Experimental Psychology Advisor: Dr. Jaime Tartar	Nova Southeastern University Ft. Lauderdale, FL
2009 – 2013	B.A.	Psychology Advisor: Dr. Phillip Zoladz	Ohio Northern University Ada, OH

Research Interests

Social Determinants of Health
Consequences of Acute, Chronic, and Early Life Stress
Moderating Individual Differences

Technical Expertise and Skills

Wet-Lab Techniques: DNA Isolation, PCR, Genotyping, Immunostaining, and Immunoassay (e.g., ELISA, EIA)

Statistical Packages: SPSS, R, HLM, and mPlus

Experimental Protocols: Cold Pressor Test (CPT), Trier Social Stress Test for Groups (TSST-G)

Psychological Testing: Life Stress Interview (LSI); Trained to administer and score various neuropsychological tests (e.g. STAI, CES-D, PTSD Scale, PSS)

I-Pad Based Testing: Joggle Neuropsychological Research Platform, NIH Toolbox for neurological and behavioral function

Other: Licensed Phlebotomist

Teaching Experience

Instructor of Record

2018 (Summer)	Introduction to Psychology	Duke TIP at Wake Forest University
2018 (Fall)	Research Design in Psychology	University of Georgia

Co-Instructor/Lead Teaching Assistant

2020 (Spring)	Developmental Psychology IOR: Dr. Tori Vratana-Smoot	University of Georgia
2017 (Spring)	Introduction to Neuroscience IOR: Dr. James Munoz	Nova Southeastern University
2016 (Fall)	Introduction to Neuroscience IOR: Dr. Jaime Tarter	Nova Southeastern University

Teaching/Laboratory Assistant

2019 (Fall)	Elementary (Introductory) Psychology IOR: Dr. Janet Frick	University of Georgia
2016 (Spring)	Research Methods in Behavioral Neuroscience IOR: Dr. James Munoz	Nova Southeastern University
2015 (Fall)	Behavioral Genetics IOR: Dr. Jaime Tartar	Nova Southeastern University
2013 (Spring)	Experimental Psychology IOR: Dr. Megan Kraynock	Ohio Northern University
2012 (Spring)	Experimental Psychology IOR: Dr. Phillip Zoladz	Ohio Northern University

Tutoring/Mentoring

2013 – 2015	Americorps Member Livingston Elementary & Mifflin Middle School	City Year Columbus
2012 – 2013	Psychology Tutor College of Arts and Sciences	Ohio Northern University

Research Experience

2017 -	Graduate School Research Assistant Focus: Early life stress, development, and physical health (i.e. vaccine response, etc.)	University of Georgia Supervisor: Dr. Katie Ehrlich
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2015 – 2017	Graduate Research Assistant Focus: Stress on psychological health and cognition (i.e. genetics, physiological response, microbiome)	Nova Southeastern University Supervisor: Dr. Jaime Tartar
2012 – 2013	Undergraduate Student Research Assistant Focus: Stress on emotional memory processing	Ohio Northern University Supervisor: Dr. Phillip Zoladz
2011	Principal Investigator on Class Research Project Focus: Fear appeals and social influence on behavioral change	Ohio Northern University Supervisor: Dr. Kristie Payment

Peer-Reviewed Journal Publications (h-index = 4)

- Corallo, K. L., **Lyle, S. M.**, Murphy, M. L. M., vanDellen, M., & Ehrlich, K. B. (Revise and resubmit at Psychosomatic Medicine). Recalled neighborhood environments, parental overprotection, and cytokine-mediated response to viral inoculation.
- Smith, R. P., Easson, C., **Lyle, S. M.**, Kapoor, R., Donnelly, C. P., Parikh, E., Lopez, J. V., & Tartar, J. L. (2019). Gut microbiome diversity is associated with sleep physiology. *PLOS ONE*, 1-17.
- Hill, L. D., Lorenzetti, M., **Lyle, S. M.**, Fins, A. I., Tartar, A., & Tartar, J. L. (2017). COMT Val158Met Polymorphism associates with affect and cortisol levels in women. *Brain and Behavior*, 1-8.
- Zoladz, P. R., Kalchik, A. E., Hoffman, M. M., Aufdenkampe, R. L., **Lyle, S. M.**, Peters, D. M., Brown, C. M., Cadle, C. E., Scharf, A. R., Dailey, A. M., Wolters, N. E., Talbot, J. N., & Rorabaugh, B. R. (2014). ADRA2B deletion variant selectively predicts stress-induced enhancement of long-term memory in females. *Psychoneuroendocrinology*, 48, 111-122.
- Zoladz, P. R., Warnecke, A. J., Woelke, S. A., Burke, H. M., Frigo, R. M., Pisansky, J. M., **Lyle, S. M.**, Talbot, J. N. (2013). Pre-learning stress that is temporally removed from acquisition exerts sex-specific effects on long-term memory. *Neurobiology of Learning and Memory*, 100, 77-87.

Book Chapters

- Zoladz, P. R., Kalchik, A. E., Cadle, C. E., & **Lyle, S. M.** (2014). Amygdala-induced modulation of cognitive brain structures underlies stress-induced alterations of learning and memory: Importance of stressor timing and sex differences. In A. Costa & E. Villalba (Eds.), *Horizons in Neuroscience Research (Vol. 14) (pp 1-40)*. Hauppauge, NY: Nova Science Publishers.

Publications in Preparation

- Lyle, S. M.**, Corallo, K. L., Ross, T., & Ehrlich, K. B. (in preparation). How change in depressive symptoms across one-year influences antibody response to the influenza vaccine: The moderating role of age.
- Lyle, S. M.**, Gobin, K., & Tartar, J. L. (in preparation). Val158Met COMT gene polymorphism associates with sleep duration in healthy young adults.

Lyle, S. M., Banks, J., Munoz, J., & Tartar, J. L. The interaction between acute stress and the COMT gene on cognitive functioning. Master's Thesis in Preparation.

Unpublished Thesis: Examining the U-Shaped Curve of Dopamine's Effects on Neurobehavioral Task Performance: The Interaction Between Acute Stress and the COMT Gene

Research Presentations and Symposiums

* Denotes undergraduate mentee

Symposia (2)

Ehrlich, K. B., Corallo, K. L., & **Lyle, S. M.** (2019, March). Parental hostility is associated with children's antibody production following influenza vaccination. In S. Bai and E. Mercado (Chairs), *From panoramic to microscopic: Studying links between the family environment and children's mental and physical health through multiple levels of analysis*. Paper presented at the biennial meeting of the Society for Research on Child Development, Baltimore, MD.

Ehrlich, K. B., **Lyle, S. M.**, Lejuez, C., Cassidy, J. (2018, April). Observed hostility and attachment behaviors during mother-adolescent conflict: Links with adolescent social behavior. In M. Martin (Chair), *Increasing specificity in understanding the links between parent-adolescent attachment and adjustment*. Paper presented at the biennial meeting of the Society for Research on Adolescence, Minneapolis, MN.

Paper Presentations (4)

Lyle, S. M., Corallo, K. L., & Ehrlich, K. B. (2020, March). *Age, depressive symptoms, and antibody production following influenza vaccination*. Paper accepted at the American Psychosomatic Society, Long Beach, CA [cancelled due to COVID-19].

- **Awarded APS 2020 Young Scholar Award for top trainee abstract submissions**

Corallo, K. L., Sadiq A., **Lyle, S. M.**, Bastien, D., Wasilewski, I., & Ehrlich, K. B. (2020, March). *Parental depressive symptoms and child antibody response to influenza vaccination*. Paper accepted at the American Psychosomatic Society, Long Beach, CA [cancelled due to COVID-19].

Lyle, S. M., Corallo, K. L., & Ehrlich, K. B. (2019, March). *Adolescent and parent "shift-and-persist" scores are associated with adolescent antibody response to influenza vaccination*. Paper presented at the annual meeting of the American Psychosomatic Society, Vancouver, BC.

Ehrlich, K. B., Miller, G. E., Shalowitz, M., Story, R., Levine, C., Austin, M., Lam, P.H., Corallo, K. L., **Lyle, S. M.**, & Chen, E. (2018, March). *Loneliness in children with asthma: Links with symptoms, family asthma management, and cytokine regulation*. Paper presented at the annual meeting of the American Psychosomatic Society, Louisville, KY.

Poster Presentations (7)

Sadiq, A., Corallo, K. L., **Lyle, S. M.**, & Ehrlich, K. B. (2020, March). *Chronic stress, targeted rejection, and antibody response to influenza vaccination in adolescence*. Poster accepted at the American Psychosomatic Society, Long Beach, CA [cancelled due to COVID-19].

Wasilewski, I., Corallo, K. L., **Lyle, S. M.**, & Ehrlich, K. B. (2020, March). *School risk and antibody response to influenza vaccination in adolescence*. Poster accepted at the American Psychosomatic Society, Long Beach, CA [cancelled due to COVID-19].

Updated: May 2020

Corallo, K. L., **Lyle, S. M.**, Murphy, M. L. M., & Ehrlich, K. B. (2019, March). *Early environments, parental overprotection, and susceptibility to the common cold*. Poster presented at the annual meeting of the American Psychosomatic Society, Vancouver, BC.

Ehrlich, K. B., **Lyle, S. M.**, & Corallo, K. L. (2019, March). *Parent and child perceived stress and antibody production following vaccination*. Poster presented at the annual meeting of the American Psychosomatic Society, Vancouver, BC.

Lyle, S. M., Tatin, X. F., Hill, L. D., Lorenzetti, M. S., Tartar, A., Tartar, J. L. (2016, November). *The association between the COMT Val158Met polymorphism and psychological and cognitive performance*. Poster presented at the Forty-Sixth Annual Meeting for the Society for Neuroscience, San Diego, California. Abstract published in Society for Neuroscience Abstracts, 46.

Zoladz, P. R., Kalchik, A. E., Cadle, C. E., Peters, D. M., Hoffman, M. M., Aufdenkampe, R. L., **Lyle, S. M.**, Brown, C. M., Scharf, A. R., Dailey, A. M., Wolters, N. E., Talbot, J. N., & Rorabaugh, B. R. (2014, November). *ADRA2B deletion variant selectively predicts stress-induced enhancement of long-term memory in females*. Poster Presented at the Forty-Fourth Annual Meeting of the Society for Neuroscience, Washington, D.C. Abstract published in Society for Neuroscience Abstracts, 44, 644.02.

Lyle, S. M., Adelman, S., Stripe, S., & Wareham, D., (2011, April). *Fear appeals and social influence on the perception of illegal Adderall use*. Poster presented at the Ohio Northern University Student Research Colloquium, Ada, Ohio.

Undergraduate Mentee Presentations (10)

*Adike, T., **Lyle, S. M.**, Corallo, K. L., & Ehrlich, K. B., (2020, June). *Attachment security and self-esteem: The moderating role of gender*. Virtual poster presentation at 18th Annual Georgia Undergraduate Research in Psychology Conference, Kennesaw, GA.

*Cox, M., **Lyle, S. M.**, Corallo, K. L., & Ehrlich, K. B. (2020, April). *Symptoms of anxiety and triglyceride levels in African American children: A longitudinal study*. Virtual poster presentation at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Ani, C., *Olorunsola, R., **Lyle, S. M.**, Corallo, K. L., & Ehrlich, K. B. (2020, April). *Explaining the link between secure attachment and risky behaviors through childhood anxiety*. Virtual poster presentation at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Eason, P. L., Corallo, K. L., **Lyle, S. M.**, & Ehrlich, K. B. (2020, April). *The association between cholesterol and depressive symptoms in African American children and adolescents*. Virtual poster presentation at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Atamna, I. S., *Idehen, O. O., **Lyle, S. M.**, Corallo, K. L., & Ehrlich, K., B., (2019, April). *A mediation analysis: Adverse childhood experiences, self-regulation, and depression*. Poster presented at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Ubezou, K. O., Corallo, K. L., **Lyle, S. M.**, & Ehrlich, K., B., (2019, April). *The relation between family stressors and antibody response to influenza vaccine in adolescence*. Poster presented at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Guerreso, R. N., Corallo, K. L., **Lyle, S. M.**, & Ehrlich, K., B., (2019, April). *School distress in adolescence and antibody response to the influenza vaccine*. Poster presented at the annual Center for Undergraduate Research Opportunities Symposium, Athens, GA.

*Moffitt, A., *Guitton, J., *Lambert, C., **Lyle, S. M.**, Corallo, K. L., Ehrlich, K. B., (2019, April). *Best-friend quality and adolescent antibody response to the influenza vaccine*. Poster presented at the 42nd Annual Psi Chi Convention of the Behavioral Sciences, Athens, GA.

*Atamna, I. S., *Idehen, O. O., **Lyle, S. M.**, Corallo, K. L., & Ehrlich, K., B., (2019, April). *Mediation of self-regulation on the relation between adverse childhood experiences and depression*. Poster presented at the 42nd Annual Psi Chi Convention of the Behavioral Sciences, Athens, GA.

*Davidson, E., *May, R., **Lyle, S. M.**, Tartar, J. L., Lopez, J. V., & Smith, R. P. (2017, April). *Examining the stress-gut microbiome interface in a human population*. Poster presented at Life Sciences South Florida, Ft. Lauderdale, Florida.

Grants and Funding Secured

2020	Graduate School Travel Funding , University of Georgia Age, Depressive Symptoms, and Antibody Production Following Influenza Vaccination Amount: \$750.00
2016	Presidential Faculty Research and Development Grant , Nova Southeastern University Examining the Stress-Gut Microbiome Interface: A Systems Biology Approach Amount: \$14,970.00 Role: Co-I
2016	PANSGA Professional Development Grant , Nova Southeastern University The Association Between the COMT Val158Met Polymorphism and Psychological and Cognitive Performance Amount: \$1,000.00

Honors, Awards, and Scholarships

2020	APS 2020 Young Scholar Award \$500 award to top trainee abstract submissions	American Psychosomatic Society
2017 – 2021	Graduate School Research Assistantship \$23,000 for 4-years: Fellowship awarded to one incoming psychology student	University of Georgia
2017	The Gilbert H. Berken Endowed Scholarship \$3,000 award to graduate student enrolled in the College of Psychology program who demonstrates academic excellence and financial need	Nova Southeastern University
2015	The Priscilla Tyson Leadership Award Award recognizing women who show exceptional leadership potential	City Year Columbus
2015	Certificate of Honor and Recognition	Columbus City Council

	Award recognizing over 30,000 hours of service to low-income students	
2014 – 2015	Segal Americorps Education Award \$5,000 for 2-years: Award granted to Americorps members following one year of service	Americorps
2012	Outstanding Psychology Student Award recognizing one junior and one senior enrolled in the psychology program	Ohio Northern University
2012 – 2013	Dean’s List Awarded to students to maintain a 3.50 or greater GPA	Ohio Northern University
2009 – 2013	Dean’s Scholarship \$16,000 for 4-years: Merit scholarship based on GPA and ACT scores	Ohio Northern University

Invited Lectures and Presentations

2020 (Spring)	Language Development. Presented in Developmental Psychology at the University of Georgia, Athens, GA.
2020 (Spring)	Perceptual Development: The Five Senses. Presented in Developmental Psychology at the University of Georgia, Athens, GA.
2019 (Fall)	So, You Think You Can Study? Presented in Elementary Psychology at the University of Georgia, Athens GA.
2019 (Fall)	Introduction to Abnormal Psychology – A mini lecture. Presented in Elementary Psychology at the University of Georgia, Athens GA.
2019 (Fall)	Age, Depressive Symptoms, and Vaccine Response. Presented in the Behavioral and Brain Science Brown Bag Series at the University of Georgia, Athens GA.
2019 (Spring)	Science’s Identity Crisis: Contextualizing the Replication Crisis with Undergraduate Students. Presented in The Center for Teaching and Learning TA Lunch and Learn Workshop Series at the University of Georgia, Athens GA.
2018 (Fall)	Stress and Adaptive Immunity – A mini lecture. Presented in the Behavioral and Brain Science Brown Bag Series at the University of Georgia, Athens GA.
2018 (Fall)	Study Tips: How Cognitive Psychology Should Inform Your Habits. Presented in First Year Odyssey at the University of Georgia, Athens GA.
2016 (Fall)	The association between the COMT Val158Met polymorphism and emotion processing and cognitive performance. Presented in the Graduate Research Series at Nova Southeastern University, Ft. Lauderdale Florida.
2016 (Spring)	Acute Stress, COMT, and Cognitive Performance. Presented in the Graduate Research Series at Nova Southeastern University, Ft. Lauderdale Florida.

- 2015 (Fall) **Brain Control of Movement: 2-part series.** Presented in Introduction to Neuroscience at Nova Southeastern University, Ft. Lauderdale Florida.
- 2015 (Fall) **The Vision and Auditory Pathways – A mini lecture.** Presented in Introduction to Neuroscience at Nova Southeastern University, Ft. Lauderdale Florida.

Internship Experience

- 2020 (Summer) **ADHD Summer Treatment Program Counselor** Cleveland Clinic, Cleveland Ohio
- Served as counselor in program designed to help children and families understand and manage ADHD symptoms
 - Identified, labeled, and monitored 28 different frequency/interval, positive/negative behaviors during an intensive day treatment program to gather data on the child's progress and recommendations for future treatment
 - Observed lead counselors create individualized treatment programs that addressed each child's behavioral, emotional, and learning difficulties

Professional Trainings/Workshops Attended

2020	Building Research Partnerships with Schools; Future Directions Forum	Journal of Clinical Child and Adolescent Psychology
2020	Training Undergraduate Students; Future Directions Forum	Journal of Clinical Child and Adolescent Psychology
2020	Wikipedia and Open Science; Future Directions Forum	Journal of Clinical Child and Adolescent Psychology
2019	Teaching Assistant Spring SOMETHING	University of Georgia
2017	Teaching Assistant Orientation	University of Georgia
2014	The Neurosequential Model in Education; Dr. B. D. Perry's Child Trauma Academy	Livingston Elementary
2014	Cognitive Development and Growth Mindset	City Year Columbus
2014	Social Emotional Learning and Executive Functioning	City Year Columbus
2013	The Impact of Trauma on Student Development	City Year Columbus
2013	Youth Development 101	City Year Columbus

Professional Affiliations

- 2019 - Society for Teaching Psychological Science
- 2019 - Association for Psychological Science
- 2017 - American Psychosomatic Society
- 2017 - 2019 Society for Research on Adolescents
- 2016 - Psi Chi: The international Honor Society in Psychology

2015 - 2017 American Psychological Association
 2014 - 2016 Society for Neuroscience

Academic Service Experience

2019 -	Social Planning Committee , Psychology Department	University of Georgia
2018 -	Psychology Graduate Student Committee	University of Georgia
2017 -	Psychology Educators Development Association Member, 2017 – present President, 2018 – 2019	University of Georgia
2017 – 2019	Graduate Student Advisory Board , Psychology Department Behavioral and Brain Sciences Representative	University of Georgia
2014 – 2015	Internal Interview Board , Livingston Elementary School	Columbus Public City Schools
2013 – 2015	Events Planning Committee	City Year Columbus
2013 – 2015	Training Committee	City Year Columbus
2010 – 2013	Psi Sigma (Student Organization) , Psychology Department Member, 2010-2013 Vice President, 2012-2013	Ohio Northern University

Supervised Undergraduate Students

Kayla Tran, UGA 2019 -	Kamsi Ubezouu, UGA 2019
Madison Rhodes, UGA 2019 -	Josie Guitton, UGA, 2018 - 2020
Alusine Fofanah, UGA, 2019 -	Alyssa Moffitt, UGA, 2018 - 2020
Ritwika Chakrabarti, UGA, 2019 -	Orobosa Idehen, UGA, 2018-2019
Morgan Cox, UGA, 2019 - 2020	Kevin Douglass, NSU, 2016 - 2017
Tiffany Adike, UGA 2019 - 2020	Akshay Naraine, NSU, 2016 - 2017
Chinonso Ani, UGA, 2019 - 2020	Bailey McDonald, NSU, 2016 - 2017
Rashidatu “Tope” Olorunsola, UGA, 2019 - 2020	Reaghan May, NSU, 2016 - 2017
Payton Eason, UGA, 2019 - 2020	Eileen Davidson, NSU, 2016 - 2017
Rebecca Guerreso, UGA, 2018 - 2019	

Community Outreach Experience

Paper Reader and Poster Judge; Georgia Junior Sciences & Humanities Symposium	2018
<ul style="list-style-type: none"> • Read and scored 8 papers to determine symposium eligibility • Served as poster judge 	
Behavioral Neuroscience Training Camp; Nova Southeastern University	2016
<ul style="list-style-type: none"> • Led and assisted in several neuroscience lab technique sessions for high school students • Mentored several students on their discovery-based research projects 	

- Americorps Team Leader & Corps Member**, City Year, Columbus Ohio

 - Volunteered full time as a tutor, mentor, and role model in an urban elementary school and middle school to resolve the dropout crisis through the implementation of the Whole School, Whole Child model, focused on improving attendance, behavior, and course work in math and ELA
 - Lead a team of seven corps members through the City Year experience through observation and feedback sessions, biweekly check-in meetings, and general coaching, while performing the duties of a Corps Member

2013 – 2015
- Be the Change**, Nova Southeastern University

 - Participated in monthly service projects bettering the South Florida community

2015 – 2016
- Service Coordinator**, Ohio Northern University

 - Coordinated and lead student service trips and projects
 - Assisted in planning and organizing weekly chapel worship

2011 – 2013
- Student Service Project Coordinator**, Restore, Ada Ohio

 - Connected students attending the University with the surrounding community
 - Organized and oversaw quarterly community service projects in an elderly, low-income housing development

2010 – 2011

Projects in Progress

- Transition to College
- Adult Vaccine
- Adolescent Vaccine
- Common Cold Project
- SHAPE Generation Three
- Skin Deep Resilience

Certificates

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| <ul style="list-style-type: none"> • Cybersecurity Awareness Training – 2020; 2019 • Bloodborne Pathogens Training – 2020 • Ethics Training – 2020 • Lab Safety Basics – 2017 • CITI: Social and Behavioral Research: Children – 2017 | <ul style="list-style-type: none"> • CITI: Social and Behavioral Research – 2017 • Lifeguarding • First Aid • CPR • National Phlebotomy License |
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