

August 16, 2024

## Leigha A. MacNeill, Ph.D.

Department of Human Development and Family Science  
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### EDUCATION

- 2019 Ph.D.                      Psychology  
Minor: Specialization in Cognitive and Affective Neuroscience  
The Pennsylvania State University  
Advisor: Koraly Pérez-Edgar, Ph.D.  
Dissertation: *Attention Processes in Context: A Multi-Method Assessment of How Parenting and Temperament Contribute to the Development of Attention*
- 2016 M.S.                      Psychology  
The Pennsylvania State University  
Advisors: Alysia Blandon, Ph.D., Koraly Pérez-Edgar, Ph.D.  
Thesis: *Prosocial Behavior in Early Childhood: The Contributions of Parental Emotional Expressiveness and Children's Physiological Regulation*
- 2012 B.A.                      Psychology and English  
Minor: French  
University of Rochester  
High Honors in Psychology and English, Cum Laude, Phi Beta Kappa
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### PROFESSIONAL APPOINTMENTS

- 2024-Present                      *Assistant Professor*  
Department of Human Development and Family Science  
Purdue University
- 2020-Present                      *Faculty Affiliate*  
Institute for Innovations in Developmental Sciences  
Northwestern University
- 2020-2024                      *Research Assistant Professor*  
Department of Medical Social Sciences  
Northwestern University
- 2022-2024                      *Faculty Affiliate*

Department of Psychology  
Northwestern University

2019-2020 *Kirschstein-NRSA T32 Postdoctoral Fellow*  
Frank Porter Graham Child Development Institute  
University of North Carolina at Chapel Hill  
Mentor: Cathi Propper, Ph.D.

## GRANTS, SPONSORED AWARDS, AND OTHER FUNDING SUPPORT

2020-2025 Optimizing prediction of preschool psychopathology from brain:behavior markers of emotion dysregulation from birth: A computational, developmental cognitive neuroscience approach  
NIMH R01 MH121877  
Total Award: \$7,451,982  
Principal Investigators: Lauren Wakschlag, Joan Luby, Cynthia Rogers  
Role: Co-Investigator

## PREVIOUS GRANTS

2022-2024 Identifying biobehavioral risk and resilience mechanisms for the development of an early childhood mental health risk calculator  
NIH Loan Repayment Program  
NIH-National Institute of Mental Health Pediatric Research L40MH121108  
Total Award: \$100,000  
Role: Principal Investigator

2022 A systematic review of resilience-promoting factors in the development of young children's internalizing and externalizing syndromes  
Department of Medical Social Sciences Seed Funds  
Total Award: \$5,000  
Role: Principal Investigator

2020 Biobehavioral mechanisms linking family stress and children's socioemotional development in the context of poverty  
NICHD K99/R00 Pathway to Independence Award K99HD104962  
Role: Principal Investigator  
(Impact Score 29; Withdrew upon accepting Northwestern faculty position)

2019-2020 Human development: Interdisciplinary research training, the Carolina Consortium on Human Development  
NICHD T32 HD007376  
Principal Investigator: Cathi Propper  
Role: Postdoctoral Fellow

## GRANTS UNDER REVIEW

2024-2029 Advancing community-driven optimization for equitable implementation of early childhood mental health prevention in pediatric learning health systems: Mental Health, Earlier ALACRITY Research Center  
 NIMH P50 ALACRITY  
 Principal Investigators: Lauren Wakschlag, J. D. Smith  
 Role: Consultant

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## AWARDS

2019 Alumni Association Dissertation Award and Distinguished Scholar Medal, Penn State  
 2019 Society for Research in Child Development Student (SRCD) Travel Award  
 2018 Outstanding Publication by a Psychology Graduate Student Honorable Mention, Penn State  
 2017-2019 Graduate Assistantship at the Penn State Child Maltreatment Solutions Network  
 2017 International Society for Developmental Psychobiology (ISDP) Student Travel Award  
 2017 Society for Research in Child Development Student (SRCD) Travel Award  
 2015-2016 Graduate Assistantship at the Penn State Child Study Center  
 2015 National Science Foundation Graduate Research Fellowship Honorable Mention  
 2013-2014 Strumpf Liberal Arts Centennial Graduate Scholarship, Penn State  
 2008-2012 Dean's List, University of Rochester  
 2012 Phi Beta Kappa Society  
 2012 Katharine Augusta Hollister Memorial Prize in English, University of Rochester  
 2012 Second Place Dean's Prize in Creative Writing: Fiction, University of Rochester  
 2011 Psi Chi Honor Society  
 2011 Recipient of REACH Funding for research in psychology, University of Rochester  
 2010 First Place Dean's Prize in Creative Writing: Fiction, University of Rochester

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## PUBLICATIONS

+Indicates co-first author

### *Peer-Reviewed Manuscripts*

1. Fu, X., Franchak, J. M., **MacNeill, L. A.**, Gunther, K. E., Borjon, J. I., Yurkovic-Harding, J., Bradshaw, J., & Pérez-Edgar, K. (in press). Implementing mobile eye-tracking in psychological research: A practical guide. *Behavior Research Methods*.  
[https://github.com/xiaoxuefu/MET\\_methods](https://github.com/xiaoxuefu/MET_methods)
2. Dufford, A., **MacNeill, L. A.**, Zhang, Y., Nielsen, A., Smyser, C. D., Luby, J. L., Rogers, C. E., Norton, E. S., & Wakschlag, L. S. (2024). Caudate volume is prospectively associated with

irritability in toddlerhood. *Developmental Psychobiology*, 66, e22465.

<https://doi.org/10.1002/dev.22465>

3. Finlay-Jones, A., Ang, J., Brook, J. S., Lucas, J., **MacNeill, L. A.**, Mancini, V., Lim, Y., Kottampally, K., Elliott, C., Smith, J., & Wakschlag, L. (2024). Systematic review and meta-analysis: Early irritability as a transdiagnostic neurodevelopmental vulnerability to later mental health problems. *Journal of the American Academy of Child & Adolescent Psychiatry*, 63, 184-215. <https://doi.org/10.1016/j.jaac.2023.01.018>
4. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Jones, M., Ermanni, B., & Pérez-Edgar, K. (2024). Now it's your turn!: Eye blink rate in a Jenga task modulated by interaction of task wait times, effortful control, and internalizing behaviors. *PloS one*, 19, e0294888. <https://doi.org/10.1371/journal.pone.0294888>
5. **MacNeill, L. A.**, Zvara, B. J., & Anderson, S. E. (2024). Association between maternal closeness with parents and mother-toddler relationship quality. *Family Relations*, 73, 645-660. <https://doi.org/10.1111/fare.12910>
6. Wakschlag, L. S., **MacNeill, L. A.**, Pool, L. R., Smith, J. D., Adam, H., Barch, D. M., Norton, E. S., Rogers, C. E., Smyser, C. D., Luby, J. L., Allen, N. B. (2024). Predictive utility of irritability “in context”: Proof-of-principle for an early childhood mental health risk calculator. *Journal of Clinical Child & Adolescent Psychology*, 53, 231-245. <https://doi.org/10.1080/15374416.2023.2188553>
7. +Zhang, Y., +**MacNeill, L. A.**, Edwards, R. C., Nili, A., Zola, A., Burns, J. Giase, G., Norton, E. S., Wiggins, J., & Wakschlag, L. S. (2024). Developmental trajectories of irritability across the transition to toddlerhood: Associations with effortful control and psychopathology. *Research on Child and Adolescent Psychopathology*, 52, 125-139. <https://doi.org/10.1007/s10802-023-01098-1>
8. **MacNeill, L. A.**, Krogh-Jespersen, S., Zhang, Y., Giase, G., Edwards, R., Petittclerc, A., Mithal, L., Mestan, K., Grobman, W., Norton, E., Alshurafa, N., Moskowitz, J., Tandon, D., & Wakschlag, L. S. (2023). Lability of prenatal stress during the COVID-19 pandemic links to negative affect in infancy. *Infancy*, 28, 136-157. <https://doi.org/10.1111/infa.12499>
9. Michelini, G., Gair, K., Tian, Y., Miao, J., Dougherty, L. R., Goldstein, B. L., **MacNeill, L. A.**, Barch, D. M., Luby, J. L., Wakschlag, L. S., Klein, D. N., & Kotov, R. (2023). Do general and specific factors of preschool psychopathology predict preadolescent outcomes? A transdiagnostic hierarchical approach. *Psychological Medicine*, 53, 5405-5414. <https://doi.org/10.1017/S003329172200246X>
10. Wiggins, J. L., Ureña Rosario, A., **MacNeill, L. A.**, Briggs-Gowan, M., Smith, J. D., & Wakschlag, L. S. (2023). Prevalence, stability, and predictive utility of the Multidimensional Assessment of Preschoolers Study clinically optimized irritability score: Pragmatic early assessment of mental disorder risk. *International Journal of Methods in Psychiatric Research*, 32, e1991. <https://doi.org/10.1002/mpr.1991>

11. Wiggins, J. L., Ureña Rosario, A., Zhang, Y., **MacNeill, L. A.**, Yu, Q., Norton, E. S., Smith, J. D., & Wakschlag, L. S. (2023). Advancing earlier transdiagnostic identification of mental health risk: A pragmatic approach at the transition to toddlerhood. *International Journal of Methods in Psychiatric Research*, *32*, e1989. <https://doi.org/10.1002/mpr.1989>
12. Yu, Q., Hernandez, B., Swineford, C., Walker, N., **MacNeill, L. A.**, Zhang, Y., Wakschlag, L. S., & Wiggins, J. L. (2023). Toward an optimized assessment of adolescent psychopathology risk: Multilevel environmental profiles and child irritability as predictors. *Journal of Child Psychology and Psychiatry Advances*, *3*, e12180. <https://doi.org/10.1002/jcv2.12180>
13. Cummings, P., Petittlerc, A., Moskowitz, J., Tandon, D., Zhang, Y., **MacNeill, L. A.**, Alshurafa, N., Krogh-Jespersen, S., Hamil, J. L., Nili, A., Berken, J., Grobman, W., Rangarajan, A., & Wakschlag, L. S. (2022). Feasibility of passive ECG bio-sensing and EMA emotion report technologies and acceptability of just-in-time content in a well-being intervention: Considerations for scalability and improved uptake. *Affective Science*, *3*, 849-861. <https://doi.org/10.1007/s42761-022-00147-0>
14. **MacNeill, L. A.**, & Fosco, G. M. (2022). Intraindividual differences in adolescent threat appraisals and anxiety associated with interparental conflict. *Journal of Marriage and Family*, *84*, 165-186. <https://doi.org/10.1111/jomf.12795>
15. **MacNeill, L. A.**, Fu, X., Buss, K., & Pérez-Edgar, K. (2022). Do you see what I mean?: Using mobile eye tracking to capture parent–child dynamics in the context of anxiety risk. *Development and Psychopathology*, *34*, 997-1012. <https://doi.org/10.1017/S0954579420001601>
16. Norton, E. S., Manning, B., Harriott, E., Nikolaeva, J., Nyabingi, O., Fredian, K., Page, J., Krogh-Jespersen, S., **MacNeill, L. A.**, Roberts, M., & Wakschlag, L. S. (2022). Social EEG: A novel neurodevelopmental approach to studying brain-behavior links and brain-to-brain synchrony during naturalistic toddler-parent interactions. *Developmental Psychobiology*, *64*, e22240. <https://doi.org/10.1002/dev.22240>
17. Vallorani, A., Brown, K. M., Fu, X., Gunther, K. E., **MacNeill, L. A.**, Ermanni, B., Hallquist, M. N., & Pérez-Edgar, K. (2022). Relations between social attention, expressed positive affect, and behavioral inhibition during play. *Developmental Psychology*, *58*, 2036-2048. <https://doi.org/10.1037/dev0001412>
18. Wakschlag, L. S., Finlay-Jones, A. L., **MacNeill, L. A.**, Kaat, A. J., Brown, C. H., Davis, M. M., Franklin, P., Berkel, C., Krogh-Jespersen, S., & Smith, J. D. (2022). Don't get lost in translation: Integrating developmental and implementation sciences to accelerate real-world impact on children's development, health, and wellbeing. *Frontiers in Public Health*, *10*, 827412. <https://doi.org/10.3389/fpubh.2022.827412>
19. Finlay-Jones, A., Ang, J., Bennett, E., Downs, J., Kendall, S., Kottampally, K., Krogh-Jespersen, S., Lim, Y., **MacNeill, L. A.**, Mancini, V., Marriott, R., Milroy, H., Robinson, M., Smith, J. D., Wakschlag, L., & Ohan, J. (2021). Caregiver-mediated interventions to support self-regulation

- among infants and young children (0-5): A protocol for a realist review. *BMJ Open*, 11, e046078. <https://dx.doi.org/10.1136/bmjopen-2020-046078>
20. Gunther, K. E., Brown, K. M., Fu, X., **MacNeill, L. A.**, Jones, M., Ermanni, B., & Pérez-Edgar, K. (2021). Mobile eye-tracking captures changes in attention over time during a naturalistic paradigm in behaviorally inhibited children. *Affective Science*, 2, 495-505. <https://doi.org/10.1007/s42761-021-00077-3>
  21. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Vallorani, A., Ermanni, B., & Pérez-Edgar, K. (2021). Profiles of naturalistic attentional trajectories moderate the relation between behavioral inhibition and internalizing symptoms: A mobile eye tracking study. *Research on Child and Adolescent Psychopathology*, 50, 637-648. <https://doi.org/10.1007/s10802-021-00881-2>
  22. Krogh-Jespersen, S., **MacNeill, L. A.**, Anderson, E. L., Stroup, H. E., Harriott, E. M., Gut, E., Blum, A., Fareedi, E., Fredian, K. M., Wert, S. L., Wakschlag, L. S., & Norton, E. S. (2021). Disruption leads to methodological and analytic innovation in developmental sciences: Recommendations for remote administration and dealing with messy data. *Frontiers in Psychology*, 12, 732312-732312. <https://doi.org/10.3389/fpsyg.2021.732312>
  23. **MacNeill, L. A.**, Allen, N. B., Poleon, R. B., Vargas, T., Osborne, K. J., Damme, K. S. F., Barch, D. M., Krogh-Jespersen, S., Nielsen, A. N., Norton, E. S., Smyser, C. D., Rogers, C. E., Luby, J. L., Mittal, V. A., & Wakschlag, L. S. (2021). Translating RDoC to real world impact in developmental psychopathology: A neurodevelopmental framework for application of mental health risk calculators. *Development and Psychopathology*, 33, 1665-1684. <https://doi.org/10.1017/S0954579421000651>
  24. **MacNeill, L. A.**, Shewark, E. A., Pérez-Edgar, K., & Blandon, A. Y. (2021). Sharing behavior in the family system: Contributions of parental emotional expressiveness and children's physiological regulation. *Parenting: Science and Practice*, 21, 332-356. <https://doi.org/10.1080/15295192.2020.1843358>
  25. Norton, E. S., **MacNeill, L. A.**, Harriott, E. M., Allen, N. B., Krogh-Jespersen, S., Smyser, C., Rogers, C. E., Smyser, T. A., Luby, J. L., & Wakschlag, L. S. (2021). EEG/ERP as a pragmatic method to expand the reach of infant-toddler neuroimaging in HBCD: Promises & Challenges. *Developmental Cognitive Neuroscience*, 51, 100988. <https://doi.org/10.1016/j.dcn.2021.100988>
  26. Pérez-Edgar, K., LoBue, V., Buss, K. A., Field, A. P., Reider, L., Burris, J., Oleas, D., Zhou, A., Thomas, C., Leigh, S., Ostlund, B., Anaya, B., Gunther, K. E., Vallorani, A., Youatt, E., Smith, C., Promagan, N., Brown, K., Bierstedt, L., Pinzon, C., Revilla, K., Sarquez, M., Rajasekera, P., Fareedi, E., Kershner, A., McDoniel, M., Fu, X., Morales, S., **MacNeill, L. A.**, Auday, E., Ermanni, B., Tucker, D., & Metcalf, K. (2021). Study protocol: Longitudinal attention and temperament study (LANTS). *Frontiers in Psychiatry*, 12, 656958. <https://doi.org/10.3389/fpsyg.2021.656958>

27. Pérez-Edgar, K., **MacNeill, L. A.**, & Fu, X. (2020). Navigating through the experienced environment: Insights from mobile eye-tracking. *Current Directions in Psychological Science*, 29, 286-292. <https://doi.org/10.1177/0963721420915880> <https://osf.io/qawc4/>
28. **MacNeill, L. A.**, Ram, N., Bell, M. A., Fox, N. A., & Pérez-Edgar, K. (2018). Trajectories of infants' biobehavioral development: Timing and rate of A-not-B performance gains and EEG maturation. *Child Development*, 89, 711-724. <https://doi.org/10.1111/cdev.13022>
29. Martin, M. J., Davies, P. T., & **MacNeill, L. A.** (2014). Social defense: An evolutionary-developmental model of children's strategies for coping with threat in the peer group. *Evolutionary Psychology*, 12, 364-385. <https://doi.org/10.1177/147470491401200206>

### **Book Chapters**

1. **MacNeill, L. A.**, & Pérez-Edgar, K. (2020). Temperament and emotion. In S. Hupp & J. D. Jewell (Eds.), *The encyclopedia of child and adolescent development* (pp. 1-12). Wiley Press. <https://doi.org/10.1002/9781119171492.wecad180>
2. Panlilio, C.C., Ferrara, A., & **MacNeill, L. A.** (2019). Trauma, self-regulation, and learning. In C. C. Panlilio (Ed.), *Trauma-informed schools: Integrating child maltreatment prevention, detection, and intervention* (pp. 61-78). Springer. [https://doi.org/10.1007/978-3-030-12811-1\\_4](https://doi.org/10.1007/978-3-030-12811-1_4)

### **MANUSCRIPTS UNDER REVIEW**

1. Wakschlag, L. S., Zhang, Y., Heffernan, M. E., **MacNeill, L. A.**, Peterson, E. O., Friedland, S., Jaffe Sass, A., Smith, J. D., Davis, M. M., & Wiggins, J. L. (under 2<sup>nd</sup> review). Closing the research-to-practice gap via population-based validation of the MAPS-EASI 2.0 early childhood irritability screener for translation to clinical use.

### **MANUSCRIPTS IN PREPARATION**

1. **MacNeill, L. A.**, Gunther, K. E., Merrick, J., Miller, C., & Wakschlag, L. S. (in prep). A systematic review of family-level protective and promotive factors for internalizing and externalizing problems in children ages 0 to 6.
2. **MacNeill, L. A.**, Zhang, Y., Giase, G., Wiggins, J. L., Norton, E. S., Smith, J. D., Davis, M. M., Raven, J. G., Poleon, R. B., Yu, Q., Smyser, C. D., Rogers, C. E., Luby, J., Allen, N. B., & Wakschlag, L. S. (in prep). Developmental foundations of a pediatric mental health decision tool for young children.

### **PEER-REVIEWED CONFERENCE PRESENTATIONS**

1. Dufford, A., **MacNeill, L. A.**, Nielsen, A., Smyser, C. D., Norton, E. S., & Wakschlag, L. S. (2023, March). *Infant Hippocampal Volume is Prospectively Associated with Irritability in Toddlerhood*. Paper presented at the biennial meeting of the Society for Research in Child Development, Salt Lake City, Utah.

2. Zhang, Y., **MacNeill, L. A.**, Edwards, R. C., Burns, J. L., Zola, A. R., Poleon, R. B., Nili, A. N., Giase, G. M., Ahrenholtz, R. M., Wiggins, J. L., Norton, E. S., & Wakschlag, L. S. (2023, March). *“When to Worry” About Early Irritability: Developmental Trajectories of Irritability at the Transition to Toddlerhood*. Paper presented at the biennial meeting of the Society for Research in Child Development, Salt Lake City, Utah.
3. Pérez-Edgar, K., Gunther, K. E., Vallorani, A., **MacNeill, L. A.**, & Fu, X. (2021, November). *Using Mobile Eye-Tracking to Capture Attention and Social Behavior In-the-Moment*. Paper presented at the annual meeting of the International Society for Developmental Psychobiology, Chicago, Illinois.
4. Gunther, K. E., Brown, K., Fu, X., **MacNeill, L. A.**, Ermanni, B., & Pérez-Edgar, K. (2021, April). *Behavioral Inhibition Significantly Relates to Attentional Orienting to High Social Threat in Kindergarteners*. Paper presented at the biennial meeting of the Society for Research in Child Development. Virtual Conference.
5. **MacNeill, L. A.** (2021, April). Discussant for symposium, *From Psychological to Environmental Risk Mechanisms: Advancing the Study of Prenatal Influences on Biobehavioral Development*, Short, S., Chair, presented at the biennial meeting of the Society for Research in Child Development. Virtual Conference.
6. **MacNeill, L. A.**, Gunther, K. E., Buss, K. A., LoBue, V., & Pérez-Edgar, K. (2021, April). *Profiles of Parenting Risk Predict Infant Temperament and Attention to Threat: An Eye-Tracking Study*. Paper presented at the biennial meeting of the Society for Research in Child Development. Virtual Conference. Chair of symposium, *Advances in the Study of Parenting and Infant Emotional Development: Merging Modern and Traditional Measures*.
7. Vallorani, A., Brown, K., Fu, X., Gunther, K. E., **MacNeill, L. A.**, Ermanni, B., Hallquist, M., & Pérez-Edgar, K. (2021, April). *Affect Influences Subsequent Social Attention Captured via Mobile Eye-Tracking During Dyadic Play in Young Children*. Paper presented at the biennial meeting of the Society for Research in Child Development. Virtual Conference.
8. **MacNeill, L. A.**, Fu, X., Buss, K. A., & Perez-Edgar, K. (2020, November). *Do You See What I Mean?: Exploring Parent-Child Dynamics in the Context of Behavioral Inhibition with Mobile Eye-Tracking*. Paper presented at the Occasional Temperament Conference. Virtual Conference.
9. Pérez-Edgar, K., **MacNeill, L. A.**, Burriss, J. L., Gunther, K., Buss, K. A., & LoBue, V. (2019, July). *Emerging Patterns of Mother-Child Relations: Maternal Anxiety, Child Temperament, and Child Attention*. Paper presented at the 9th World Congress of Behavioural and Cognitive Therapies, Berlin, Germany.
10. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Ermanni, B., Vallorani, A., Buss, K. A., & Pérez-Edgar, K. (2019, March). *Characterizing Naturalistic Sustained Attention in Behaviorally Inhibited Children: Risk Factors for Internalizing Symptoms*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.

11. Fu, X., **MacNeill, L. A.**, Buss, K. A., & Pérez-Edgar, K. (2019, March). *Affect-Biased Attention is Linked to Individual Differences in Social Withdrawal: A Multimodal Eye-Tracking Investigation*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland. Co-Chairs (with Xiaoxue Fu) of symposium, *Using a Social-Interactive Neuroscience Approach to Study Cognitive Processes Underlying Risk for Developmental Psychopathology*.
12. **MacNeill, L. A.**, Fu, X., Buss, K. A., & Pérez-Edgar, K. (2019, March). *Using Mobile Eye-Tracking Methodology to Capture Parent-Child Dynamics in the Context of Anxiety Risk*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland. Co-Chairs (with Xiaoxue Fu) of symposium, *Using a Social-Interactive Neuroscience Approach to Study Cognitive Processes Underlying Risk for Developmental Psychopathology*.
13. Vallorani, A., Brown, K., Fu, X., Gunther, K. E., **MacNeill, L. A.**, Ermanni, B., Buss, K. A., & Pérez-Edgar, K. (2019, March). *Processing Social and Non-Social Rewards in the Peer Context: The Role of Temperament*. Paper presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.
14. Pérez-Edgar, K., Morales, S., **MacNeill, L. A.**, & Vallorani, A. (2017, November). *Young Children's Affective and Psychophysiological Responses to Acceptance and Rejection from Peers*. Paper presented at the annual meeting of the International Society for Developmental Psychobiology, Washington, D.C.
15. **MacNeill, L. A.**, Pérez-Edgar, K., & Bandon, A. Y. (2017, April). *Prosocial Behavior in the Family System: Contributions of Parental Emotional Expressiveness and Child Physiological Regulation*. Paper presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

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## INVITED COLLOQUIA, CONFERENCE, AND WORKSHOP PRESENTATIONS

1. **MacNeill, L. A.** (2023, September). *Translating Developmental Discovery to Clinical Care: Risk Calculators for Early Childhood Mental Health*. Paper presented at Boston Children's Hospital Psychiatry Grand Rounds, Boston, Massachusetts.
2. **MacNeill, L. A.** (2023, March). *Through a Dyadic Lens: Viewing New Methods for Socioemotional Development in the Family*. Paper presented at the University of Waterloo Developmental Brownbag Series, University of Waterloo, Waterloo, Ontario (virtual).
3. **MacNeill, L. A.** (2022, January). *Leveraging Ecologically Valid and Translational Methods to Study Children's Emotion Regulation and Mental Health*. Paper presented at Lurie Children's Hospital Monthly Scholarly Projects Series, Chicago, Illinois (virtual).
4. **MacNeill, L. A.** (2021, July). *Mobile Eye-Tracking as a Tool for Studying Attention and Socioemotional Development in Naturalistic Contexts*. Paper presented at the DS Summer Journal Club, Boston University, Boston, Massachusetts (virtual).

5. **MacNeill, L. A.** (2020, February). *Temperament in Context: Integrating Methods from Family Systems and Biological Perspectives to Capture Risk for Anxiety*. Paper presented at the UNC-Chapel Hill Department of Psychology and Neuroscience, Chapel Hill, North Carolina.
6. Gunther, K. E., **MacNeill, L. A.**, & Vallorani, A. (2018, December). *Introduction to Mobile Eye-Tracking: Assessing Attention in Naturalistic Contexts*. Workshop presented for AXONS Student Neuroscience Society at the Pennsylvania State University, University Park, PA.
7. **MacNeill, L. A.** (2015, May). *The Development of A-not-B-Task from 6-12 Months*. Paper presented at the Pennsylvania State University Conference on Longitudinal/Multivariate Methods, University Park, Pennsylvania.

## POSTER PRESENTATIONS

^Mentored graduate student, undergraduate student, research assistant

1. ^Turner, N. A., **MacNeill, L. A.**, ^Poleon, R. B., Dufford, A. J., Norton, E. S., & Wakschlag, L. S. (2024, October). *Neural Correlates of Social Competence in Infancy: The Role of the Caudate*. Poster to be presented to the annual meeting of the International Society for Developmental Psychobiology, Chicago, IL.
2. ^Raven, J., ^Patel, R., Edwards, R. C., Zhang, Y., **MacNeill, L. A.**, & Wakschlag, L. S. (2023, September). *Irritability and Internalizing Symptoms: The Role of Positive Parenting*. Poster presented at the annual Northwestern University Feinberg School of Medicine Lewis Landsberg Research Day, Chicago, Illinois.
3. ^Poleon, R. B., Giase, G. M., Burns, J. L., Zhang, Y., **MacNeill, L. A.**, & Wakschlag, L. S. (2023, March). *Examining Relations between Maternal Responsiveness and Infant Social Competence Using Behavioral Observation Methods*. Poster presented at the biennial meeting of the Society for Research in Child Development, Salt Lake City, Utah.
4. ^Merrick, E., ^Nili, A., Anderson, E., **MacNeill, L. A.**, ^Blum, A., ^Poleon, R., ^Fredian, K., ^Reynolds, H., Edwards, R., & Wakschlag, L. (2022, September). *Capturing Emotion Dysregulation and Competence in Infancy: Adaptations of the Preschool Disruptive Behavior Diagnostic Observation Schedule*. Poster presented at the annual Northwestern University Feinberg School of Medicine Lewis Landsberg Research Day, Chicago, Illinois.
5. ^Poleon, R., ^Trattner, A., ^Williams, A., ^Larson, N., ^Kornfeld, A., **MacNeill, L. A.**, & Wakschlag, L. (2022, September). *Relations between Maternal Responsiveness and Infant Social Competence*. Poster presented at the annual Northwestern University Feinberg School of Medicine Lewis Landsberg Research Day, Chicago, Illinois.
6. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Jones, M., Ermanni, B., & Pérez-Edgar, K. (2021, November). *Now It's Your Turn!: Eye Blink Rate Modulated by Interaction of Wait Times, Inhibitory Control, and Internalizing Behaviors in a Jenga-Like Task*. Poster presented at the annual meeting of the International Society for Developmental Psychobiology, Chicago, Illinois.

7. **MacNeill, L. A.**, Allen, N. B., Poleon, R. B., Pool, L., Vargas, T., Osborne, K. J., Damme, K. S. F., Barch, D. M., Krogh-Jespersen, S., Nielsen, A. N., Norton, E. S., Smyser, C. D., Rogers, C. E., Luby, J. L., Mittal, V. A., & Wakschlag, L. S. (2021, November). *Translating Developmental Science to Real-World Impact: A Neurodevelopmental Framework for Application of Mental Health Risk Calculators*. Poster presented at the annual meeting of the International Society for Developmental Psychobiology, Chicago, Illinois.
8. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Jones, M., Ermanni, B., & Pérez-Edgar, K. (2021, September). *Now It's Your Turn!: Eye Blink Rate in a Jenga Task Modulated by Interaction of Task Wait Times, Effortful Control, and Internalizing Behaviors*. Poster presented at the Flux Society Annual Meeting. Virtual Conference.
9. Reges, O., Yang, X., Krefman, A., Pool, L., Wakschlag, L., Flynn, R., **MacNeill, L. A.**, Davis, M., Marino, B., Labarthe, D., Van Horn, L., Hou, L., Lloyd-Jones, D., Allen, N. (2021, May). *Early Neurodevelopment Related Variables and Cardiovascular Health: Findings from the Multidimensional Assessment of Preschoolers Study*. Poster presented at the American Heart Association EPI | Lifestyle 2021 Scientific Sessions. Virtual Conference.
10. Vallorani, A., Brown, K. M., Fu, X., Gunther, K. E., **MacNeill, L. A.**, Ermanni, B., Hallquist, M. N., & Pérez-Edgar, K. (2020, September). *Affect Influences Social Attention Captured Via Mobile Eye-Tracking during Dyadic Play in Young Children*. Poster presented at the Flux Society Annual Meeting. Virtual Conference.
11. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Ermanni, B., Buss, K. A., & Pérez-Edgar, K. (2019, August). *Mapping Visual Attention to Levels of Inhibitory Control: A Mobile Eye Tracking Investigation*. Poster presented at the Flux Society Annual Meeting, New York, New York.
12. Vallorani, A., Brown, K. M., Fu, X., Gunther, K. E., **MacNeill, L. A.**, Ermanni, B., Buss, K. A., & Pérez-Edgar, K. (2019, August). *Naturalistic Social Attention across a Dynamic Social Interaction*. Poster presented at the Flux Society Annual Meeting, New York, New York.
13. ^Ermanni, B., Gunther, K. E., Fu, X., Vallorani, A., **MacNeill, L. A.**, & Pérez-Edgar, K. (2019, March). *Moderating Effect of Effortful Control on the Relation between Happy Biases and Externalizing Symptoms*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.
14. Gunther, K. E., Fu, X., **MacNeill, L. A.**, Ermanni, B., Buss, K. A., & Pérez-Edgar, K. (2019, March). *Low Naturalistic Attention Shifting as a Risk Factor for Internalizing Symptoms in Behaviorally Inhibited Children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.
15. ^Leeds, J., ^Perone, O., **MacNeill, L. A.**, & Pérez-Edgar, K. (2019, March). *Responses to Peer Acceptance Moderate the Relation between Parent Stress and Child Externalizing Problems*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.

16. **MacNeill, L. A.**, Vallorani, A., Morales, S., & Pérez-Edgar, K. (2019, March). *Effects of Temperament, Attention to Emotions, and Emotion Socialization on Internalizing Problems: An ERP Study*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.
17. ^Vankeuren, L., Gunther, K. E., Fu, X., **MacNeill, L. A.**, & Pérez-Edgar, K. (2019, March). *Naturalistic Attention Biases to Social Threat Characterize Socially Withdrawn Children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland.
18. Youatt, E., Vallorani, A., Morales, S., **MacNeill, L. A.**, Gunther, K. E., & Pérez-Edgar, K. (2019, March). *High Levels of Behavioral Inhibition and Inhibitory Control Relate to Affective Responses to Peer Feedback in Young Children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Baltimore, Maryland. \*Nominated for Best Poster.
19. Anaya, B., Thai, N., **MacNeill, L. A.**, Morales, S., & Pérez-Edgar, K. (2019, March). *Do Multiple Systems Interact to Predict Anxiety? The Potential Role of Behavioral Inhibition, Adolescents' Social Reticence, and EEG Delta-Beta Coupling*. Poster presented at the International Convention of Psychological Science, Paris, France.
20. **MacNeill, L. A.**, Vallorani, A., Morales, S., & Pérez-Edgar, K. (2019, March). *Attention Allocation to Emotions and Parenting Styles Moderate the Relation between Behavioral Inhibition and Internalizing Problems in Young Children: An ERP Study*. Poster presented at the International Convention of Psychological Science, Paris, France.
21. Gunther, K. E., **MacNeill, L. A.**, Burris, J. L., LoBue, V., Buss, K. A., & Pérez-Edgar, K. (2018, July). *Patterns of Maternal Threat Bias Moderate the Association between Household Chaos and Infant Regulation*. Poster presented at the International Congress of Infant Studies, Philadelphia, Pennsylvania.
22. **MacNeill, L. A.**, Burris, J. L., Gunther, K. E., Pérez-Edgar, K., Buss, K. A., & LoBue, V. (2018, July). *Attention Bias in Context: Profiles of Family Emotional Climate Contribute to Infant Temperament and Attention to Threat*. Poster presented at the International Congress of Infant Studies, Philadelphia, Pennsylvania.
23. **MacNeill, L. A.**, & Fosco, G. M. (2018, April). *Temperament, Interparental Conflict, and Cognitive Appraisals Predict Daily Variations in Adolescent Anxiety: A Within-Family Model*. Poster presented at the Society for Research on Adolescence, Minneapolis, Minnesota.
24. Anaya, B., Thai, N., **MacNeill, L. A.**, Galinsky, P., Morales, S., & Pérez-Edgar, K. (2017, November). *Behavioral Inhibition and Anxiety in Relation to Delta-Beta Coupling: Potential Effects of an ABM Intervention*. Poster presented at the annual meeting of the International Society for Developmental Psychobiology, Washington, D.C.
25. **MacNeill, L. A.**, Vallorani, A., Morales, S., Taber-Thomas, B., & Pérez-Edgar, K. (2017, November). *Neural and Behavioral Correlates of Children's Attention Bias to Reward and Social*

- Adjustment: Examining the Role of Parenting.* Poster presented at the annual meeting of the International Society for Developmental Psychobiology, Washington, D.C.
26. **MacNeill, L. A.**, Taber-Thomas, B. C., Morales, S., & Pérez-Edgar, K. (2017, April). *Attention Biases and Disengagement Moderate Associations between Parenting and Young Children's Adjustment Problems.* Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.
  27. Vallorani, A., Thai, N. K., Taber-Thomas, B. C., **MacNeill, L. A.**, & Pérez-Edgar, K. (March, 2017). *Triple Threat: Behavioral Inhibition, Frontal EEG Asymmetry, and Attention Bias to Threat as a High-Risk Marker Profile for Social Anxiety.* Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Los Angeles, California.
  28. **MacNeill, L. A.**, Lovell, M., & Bandon, A. Y. (2016, May). *Prosocial Development in Early Childhood: The Influences of Parental Emotional Expressiveness and Children's Physiological Regulation.* Poster presented at the International Congress of Infant Studies, New Orleans, Louisiana.
  29. **MacNeill, L. A.**, Ram, N., Bell, M. A., Fox, N. A., & Pérez-Edgar, K. (2016, May). *Individual Differences in A-not-B Performance and Brain Activity: Modeling Infant Development with Parallel Process Growth Models.* Poster presented at the International Congress of Infant Studies, New Orleans, Louisiana.
  30. Bandon, A. Y., & **MacNeill, L. A.** (2015, May). *Supportive Coparenting is Associated with Mothers' and Fathers' Responses to Children's Positive Emotions.* Poster presented at the 2015 Annual Convention for the Association for Psychological Science, New York, New York.
  31. **MacNeill, L. A.**, & Bandon, A. Y. (2015, March). *Young Children's Adjustment Problems: The Contributions of Parental Emotional Expressiveness and Child Physiological Regulation.* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, Pennsylvania.
  32. **MacNeill, L. A.**, Martin, M. J., Davies, P. T., & Cummings, E. M. (2013, April). *Depressive Symptoms and Perceptions of Attachment in Friendships: A Behavioral Systems Approach.* Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, Washington.
  33. Martin, M. J., Davies, P. T., **MacNeill, L. A.**, Sturge-Apple, M., & Cicchetti, D. (2013, April). *Coping with Interpersonal Threat in the Peer Group: The Social Defense System.* Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, Washington.
  34. Martin, M. J., Davies, P. T., **MacNeill, L. A.**, & Cummings, E. M. (2013, April). *Attachment and Affiliation in Adolescence? Working Models of Friendship: An Evolutionary Behavioral Systems Approach.* Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, Washington.

35. Martin, M. J., Davies, P. T., & **MacNeill, L. A.** (2012, August). *Defining "Function" in Adolescent Friendship Narratives: Applying an Ethological Behavioral Systems Approach*. Poster presented at the Biennial International Conference on Human Ethology, Vienna, Austria.
36. **MacNeill, L. A.**, & Niemiec, C. P. (2012, April). *Mindfulness, Stress, and Depressive Systems: An Examination of Interpersonal Stress Generation in College Students*. Poster presented at the University of Rochester Undergraduate Research Exposition, Rochester, NY.
37. **MacNeill, L. A.**, & Niemiec, C. P. (2012, March). *Mindfulness, Stress, and Depressive Systems: An Examination of Interpersonal Stress Generation in College Students*. Poster presented at the National Conference on Undergraduate Research, Ogden, Utah.

## TEACHING EXPERIENCE

- 2024 **Instructor**, Purdue University  
HDFS 305: Biosocial Foundations of the Family
- 2024 **Guest Lecturer**, Northwestern University  
"Early Identification of Mental Health Risk: Measuring Individual & Ecological Factors Across Methods"  
Health Sciences Integrated Program Seminar
- 2021 – 2023 **Instructor**, Northwestern University  
Neuro/Psych 399 Independent Study
- 2021– 2023 **Guest Lecturer**, Northwestern University  
"Introduction to Developmental Assessments"  
Institute for Innovations in Developmental Sciences Undergraduate Research Seminar Series
- 2021 **Guest Lecturer**, Georgia State University  
"Temperament in the Family System: Using New Methods to Rethink Classic Developmental Questions"  
Graduate course on social and emotional development
- 2021 (April-May) **Instructor**, Northwestern University  
Constructs and Methods in the Study of Pediatric Neurodevelopmental Health Boot Camp
- 2014 **Guest Lecturer**, Penn State University  
"Fathers"  
Undergraduate senior seminar in family relationships
- 2013-2017 **Teaching Assistant**, Penn State University  
Developmental Psychology, Developmental Psychology Honors, Introduction to Psychology, Senior Seminar in Family Relationships, Human Sexuality, Work Attitudes and Motivation

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## STUDENTS SUPERVISED

### Senior Honors Thesis

2024 Addison Williams, Psychology, Northwestern University  
 2023 Natalie Turner, Neuroscience, Northwestern University

### Summer Undergraduate Research Grant (SURG) Fellowship

2022 Anya Kornfeld, Northwestern University  
 2022 Ashley Trattner, Northwestern University  
 2022 Addison Williams, Northwestern University  
 2021 Natalie Turner, Northwestern University (Finalist for Fletcher URG Prize)

### Summer Undergraduate Research Assistant Program

2022 Natalie Larson, Northwestern University

### Weinberg College of Arts and Sciences Baker Program in Undergraduate Research

2022 Josue Idani, Northwestern University  
 2021 Josue Idani, Northwestern University

### Liberal Arts Enrichment Summer Research Program

2015 Michelle Lovell, Penn State University

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## AD-HOC REVIEWER

### *Journals*

*Child Development*  
*Children*  
*Clinical Child and Family Psychology Review*  
*Depression and Anxiety*  
*Developmental Medicine and Child Neurology*  
*Development and Psychopathology*  
*Developmental Psychology*  
*Developmental Science*  
*Emotion*  
*Social Development*

### *Grants*

October 2021 NSF, Developmental Sciences (DS) Program

### *Conferences*

2024 International Congress of Infant Studies

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## DEPARTMENTAL SERVICE

2023	<b>DevSci Graduate Cluster Fellowship Review Panel Member</b> , Institute for Innovations in Developmental Sciences, Northwestern University
2022	<b>Core Developmental Competencies Group Member for Mental Health, Earlier T32 Postdoctoral Fellowship</b> , Institute for Innovations in Developmental Sciences, Northwestern University
2021	<b>Research Resources Workgroup Member</b> , Institute for Innovations in Developmental Sciences, Northwestern University
2020	<b>Planning Committee Member</b> , Carolina Consortium on Human Development Proseminar Series, “The Application of Innovative Research Approaches to Developmental Science,” UNC-Chapel Hill
2016-2019	<b>Member and Outreach Volunteer</b> , AXONS Student Neuroscience Society, Penn State University
2015	<b>Recruitment Leader</b> , Graduate Student Recruitment, Penn State University
2014	<b>Panel Member</b> , Psi Chi Graduate School Information Session, Penn State University

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## TECHNICAL SKILLS

**Statistical Software:** R, Mplus, SPSS  
**Stationary Eye-Tracking:** SMI  
**Mobile Eye-Tracking:** PUPIL  
**EEG:** Brain Vision, EGI  
**Heart Rate:** MindWare HRV  
**Behavioral Coding:** Datavyu, Mangold INTERACT  
**MRI Brain Masking:** ITK-SNAP

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## PROFESSIONAL MEMBERSHIPS

Society for Research in Child Development  
 International Congress of Infant Studies  
 International Society for Developmental Psychobiology

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## MEDIA COVERAGE AND APPEARANCES

**Coverage of A-not-B performance gains and EEG maturation** *Child Development Paper (2018)*

[Penn State News](#), Baby brains help infants figure it out before they try it out

[The Swaddle](#), What’s going on in a baby’s mind? Practice.

[Cosmos Magazine](#), Babies learn in bursts (just like Mum said)

[Fatherly](#), Scientists finally explain why babies seem both very smart and very dumb

**Coverage of Prenatal Stress Lability** *Infancy Paper (2022)*

[Northwestern News](#), Mothers’ stress rollercoaster while pregnant linked to negative emotions in babies

[CNN.com](#), Stress during pregnancy may have a negative emotional impact on babies, study finds

[USA Today](#), Stress levels during pregnancy linked to 3-month-old babies who cry, fuss more, study finds

[The Onion](#), Stress during pregnancy may have negative emotional impact on babies (satire)

### **Personal/Professional**

[Penn State News](#), With the support of alumni and friends, grad students excel on the job market