

**CURRICULUM VITAE
STEPHANIE H. PARADE**

Business Address Bradley/Hasbro Children’s Research Center, E. P. Bradley Hospital
Brown Medical School, Department of Psychiatry and Human Behavior
1011 Veterans Memorial Parkway
East Providence, RI 02915

Business Telephone (401) 793-8247
Business Fax (401) 793-8799
E-mail Stephanie_Parade@Brown.edu

Web <https://vivo.brown.edu/display/sparade>

EDUCATION

Undergraduate: University of Connecticut, Human Development and Family Studies, B.S.
with Distinction, 2005

Graduate: The University of North Carolina at Greensboro, Human Development
and Family Studies, M.S. 2007

 The University of North Carolina at Greensboro, Human Development
and Family Studies, Ph.D. 2010

POSTGRADUATE TRAINING

Fellowship Brown Medical School Clinical Psychology Training Consortium,
NIMH T32 Postdoctoral Fellow in Child Mental Health 2010-2012

ACADEMIC APPOINTMENTS

Associate Professor of Psychiatry and Human Behavior, The Warren Alpert Medical School of
Brown University, July 2018-present

Associate Director, Initiative on Stress, Trauma, and Resilience, Brown University, October
2018-present

Assistant Professor of Psychiatry and Human Behavior (Research), The Warren Alpert Medical
School of Brown University, July 2012-June 2018

HOSPITAL APPOINTMENTS

Director of Early Childhood Research, E. P. Bradley Hospital, March 2020-present

Staff Psychologist, E. P. Bradley Hospital, July 2012-February 2020

Postdoctoral Fellow, Rhode Island Hospital, July 2010-June 2012

OTHER APPOINTMENTS

Editorial Board Member: *Family Relations*, 2017-present

Mentor for Student/Postdoc Editorial Board, *Child Maltreatment*, 2019-2020

Chartered Grant Reviewer: Member, *Psychosocial Development, Risk and Prevention (PDRP) Study Section, National Institutes of Health*, 2020-present

Ad-hoc Grant Reviewer: *United States Health Resources and Services Administration*, 2018

United States - Israel Binational Science Foundation, 2017; 2019

Canada Foundation for Innovation, 2017

Israel Science Foundation, 2019

Psychosocial Development, Risk and Prevention (PDRP) Study Section, National Institutes of Health, 2019, 2020

Dutch Research Council, 2021

Ad-hoc Journal Reviewer: *Biological Psychiatry*
Child Development
Child Maltreatment
Development & Psychopathology
Developmental Psychology
Family Relations
Infant Behavior and Development
Infant Mental Health Journal
International Journal of Behavioral Development
Journal of Abnormal Psychology
Journal of Family Issues
Journal of Family Psychology
Journal of Marriage and Family

Journal of Social and Personal Relationships
Molecular Psychiatry
Parenting: Science and Practice
Personal Relationships
Psychoneuroendocrinology
Violence Against Women

Conference Proposal Reviewer: *Society for Research in Child Development*, 2015, 2018

National Committees/Consortia: Member, Early Childhood Mental Health Node, *Life Course Intervention Research Network*, 2021-2023

Chair, Implementation Committee, *Early Intervention to Promote Cardiovascular Health in Mothers and Children (ENRICH)* Multicenter Trial, 2023-present

Executive Committee Member: *Hassenfeld Child Health Innovation Institute*, 2023-present

POSTGRADUATE AWARDS

NARSAD Young Investigator Award, Brain & Behavior Research Foundation, 2014

Early Career Travel Award, Society for Research in Child Development, 2015

Emerging Leader Alumni Award, School of Health and Human Sciences, The University of North Carolina at Greensboro, 2018

Psychology Research Mentor Award, Department of Psychiatry and Human Behavior, Brown Medical School, 2022

Children First and Always Award, Center for Advanced Practice at Adoption Rhode Island, 2023

UNIVERSITY COMMITTEES

Diversity, Equity, Inclusion, and Belonginess Committee, *Brown Department of Psychiatry and Human Behavior*, 2015-present

Internship Grant Review Committee, *Brown Clinical Psychology Training Consortium*, 2015

Grant Reviewer, Diversity Early Career Faculty Development Award, *Brown Department of Psychiatry and Human Behavior*, 2016-2020

Co-Chair, Mentoring Subcommittee, Diversity, Equity, Inclusion, and Belonginess Committee, *Brown Department of Psychiatry and Human Behavior*, 2020-present

HOSPITAL COMMITTEES

Diversity Committee, Division of Child and Adolescent Psychiatry, E.P. Bradley Hospital and Hasbro Children's Hospital, 2018-2021

Gender and Equity Committee, Division of Child and Adolescent Psychiatry, E.P. Bradley Hospital and Hasbro Children's Hospital, 2018-present

MEMBERSHIP IN SOCIETIES

The Society for Research in Child Development
International Society on Infant Studies

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Parade, S. H.** & Leerkes, E. M. (2008). The reliability and validity of the Infant Behavior Questionnaire-Revised. *Infant Behavior and Development*, *31*, 637-646.
2. Leerkes, E. M., **Parade, S. H.**, & Burney, R. V. (2010). Origins of mothers' and fathers' beliefs about infant crying. *Journal of Applied Developmental Psychology*, *31*, 467-474.
3. **Parade, S. H.**, Leerkes, E. M., & Blankson, A. N. (2010). Attachment to parents, social anxiety, and close relationships of female students over the transition to college. *Journal of Youth and Adolescence*, *39*, 127-137.
4. Leerkes, E. M., **Parade, S. H.**, & Gudmundson, J. (2011). Mothers' emotional reactions to crying pose risk for subsequent attachment insecurity. *Journal of Family Psychology*, *25*, 635-643.
5. **Parade, S. H.** & Leerkes, E. M. (2011). Marital aggression predicts infant orienting toward mother at six months. *Infant Behavior and Development*, *34*, 235-238.
6. **Parade, S. H.**, Supple, A. J., & Helms, H. M. (2012). Parenting during childhood predicts relationship satisfaction in young adulthood: A prospective longitudinal perspective. *Marriage and Family Review*, *48*, 150-169.
7. **Parade, S. H.**, McGeary, J., Seifer, R., & Knopik, V. (2012). Infant development in family context: Call for a genetically informed approach. *Frontiers in Behavioral and Psychiatric Genetics*, *3*, 167.

8. **Parade, S. H.**, Leerkes, E. M., & Helms, H. M. (2013). Remembered parental rejection and postpartum declines in marital satisfaction: Moderated dyadic links. *Family Relations*, *62*, 298-311.
9. Seifer, R., Dickstein, S., **Parade, S. H.**, Hayden, L. C., Magee, K. D., & Schiller, M. (2014). Mothers' appraisal of goodness of fit and children's social development. *International Journal of Behavioral Development*, *38*, 86-97.
10. Ridout, K. K., **Parade, S. H.**, Seifer, R., Price, L., Gelernter, J., Feliz, P., & Tyrka, A. (2014). *IL1B* gene variation and internalizing symptoms in maltreated preschoolers. *Development and Psychopathology*, *26*, 1277-1287.
11. Bublitz, M., **Parade, S. H.**, & Stroud, L. (2014). The effects of childhood sexual abuse on cortisol trajectories in pregnancy are moderated by current family functioning. *Biological Psychology*, *103*, 152-157.
12. **Parade, S. H.**, Blankson, A. N., Leerkes, E. M., Crockenberg, S., & Faldowski, R. (2014). Close relationships predict curvilinear trajectories of maternal depressive symptoms over the transition to parenthood. *Family Relations*, *63*, 206-218.
13. Tyrka, A. R., **Parade, S. H.**, Eslinger, N. M., Seifer, R., Marsit, C. J., Lesseur, C., Armstrong, D. A., Philip, N., & Josefson, B. (2015). Methylation of exons 1_D, 1_F, and 1_H of the glucocorticoid receptor gene promoter and exposure to adversity in pre-school aged children. *Development and Psychopathology*, *27*, 577-585.
14. Tyrka, A. R., **Parade, S. H.**, Valentine, T. R., Eslinger, N. M., & Seifer, R. (2015). Adversity in preschool-aged children: Effects on salivary interleukin-1 β . *Development and Psychopathology*, *27*, 567-576.
15. **Parade, S. H.**, Dickstein, S., Schiller, M., Hayden, L. C., & Seifer, R. (2015). Stability of child behavioral style in the first 30 months of life: Single timepoint and aggregated measures. *International Journal of Behavioral Development*, *39*, 121-129.
16. Tyrka, A. R., Ridout, K. K., **Parade, S. H.**, Paquette, A., Marsit, C. J., & Seifer, R. S. (2015). Childhood maltreatment and methylation of FK506 binding protein 5 gene (*FKBP5*). *Development and Psychopathology*, *27*, 1637-1645.
17. Newland, R., **Parade, S. H.**, Dickstein, S. & Seifer, R. (2016). Goodness of fit between prenatal maternal sleep and infant sleep: Associations with maternal depression and attachment security. *Infant Behavior and Development*, *44*, 179-188.
18. Tyrka, A. R., **Parade, S. H.**, Price, L. H., Kao, H. T., Porton, B., Philip, N., Welch, E. S., & Carpenter, L. L. (2016). Alterations of mitochondrial DNA copy number and telomere length with early adversity and psychopathology. *Biological Psychiatry*, *79*, 78-86.

19. **Parade, S. H.**, Ridout, K., Seifer, R., Armstrong, D., Marsit, C., McWilliams, M., & Tyrka, A. R. (2016). Methylation of the glucocorticoid receptor gene promoter in preschoolers: Links with internalizing behavior problems. *Child Development, 87*, 86-97.
20. Newland, R., **Parade, S. H.**, Dickstein, S. & Seifer, R. (2016). The association between maternal depression and sensitivity: Child-directed effects on parenting during infancy. *Infant Behavior and Development, 45*, 47-50.
21. Stroud, L., Papandonatos, G., **Parade, S. H.**, Salisbury, A., Phipps., M., Lester., B., Padbury, H., & Marsit, C. J. (2016) Prenatal major depressive disorder, placental glucocorticoid and serotonergic signaling pathways, and neonatal stress response. *Psychosomatic Medicine, 78*, 979-990.
22. Tyrka, A. R., **Parade, S. H.**, Welch, E., Ridout, K., Price, L., Marsit, C., Philip, N., & Carpenter, L. (2016). Methylation of the leukocyte glucocorticoid receptor gene promoter in adults: Associations with early adversity and depressive, anxiety, and substance-use disorders. *Translational Psychiatry, 6*, e848.
23. Tyrka, A. R., Ridout, K. K., & **Parade, S. H.** (2016). Childhood Adversity and Epigenetic Regulation of Glucocorticoid Signaling Genes: Associations in Children and Adults. *Development and Psychopathology, 28*, 1319-1331.
24. **Parade, S. H.**, Novick, A. M., Parent, J., Seifer, R., Klaver, S. J., Marsit, C., Gobin, A. P., Yang, B., & Tyrka, A. R. (2017). Stress exposure and psychopathology alter methylation of the serotonin receptor 2A (*HTR2A*) gene in preschoolers. *Development and Psychopathology, 29*, 1619-1626.
25. **Parade, S. H.**, Parent, J., Rabemananjara, K., Seifer, R., Marsit, C., Yang, B., Zhang, H. & Tyrka A. R. (2017). Change in FK506 binding protein 5 (*FKBP5*) methylation over time among preschoolers with adversity. *Development and Psychopathology, 29*, 1627-1634.
26. Parent, J., **Parade, S. H.**, Laumann, L., Ridout, K., Yang, B., Marsit, C., Seifer, R., & Tyrka, A. R. (2017). Dynamic stress-related epigenetic regulation of the glucocorticoid receptor gene promoter during early development: The role of child maltreatment. *Development and Psychopathology, 29*, 1635-1648.
27. Doucet, F., Banerjee, M., & **Parade, S. H.** (2018). What should young black children know about race? Parents of preschoolers, preparation for bias, and promoting egalitarianism. *Journal of Early Childhood Research, 16*, 65-79.
28. **Parade, S. H.**, Armstrong, L. M., Dickstein, S., & Seifer, R. S. (2018). Family context moderates the association of maternal postpartum depression and stability of infant temperament. *Child Development, 89*, 2118-2135.

29. Low, C., Newland, R., Silver, R., **Parade, S. H.**, Remington, S., Aguiar, S., & Campagna, K. (2018). Measuring reflective supervision within home visiting: Changes in supervisors' self-perception over time. *Infant Mental Health Journal, 39*, 608-617.
30. **Parade, S. H.**, Newland, R. P., Bublitz, M. H., & Stroud, L. R. (2019). Maternal witness to intimate partner violence during childhood and prenatal family functioning alter newborn cortisol reactivity. *Stress, 22*, 190-199.
31. Ridout, K., **Parade, S. H.**, Kao, H., Magnan, S., Seifer, R., Porton, B., Price, L., & Tyrka, A. (2019). Childhood maltreatment, behavioral adjustment, and molecular markers of cellular aging in preschool-aged children: A cohort study. *Psychoneuroendocrinology, 107*, 261-269.
32. Yaptangco, M., Preddy, T. M., Musella, K. E., **Parade, S. H.**, Umaschi, S., & Walters, A. (2019). Family stress moderates emotional and behavioral symptoms in a child partial hospital setting. *Journal of Child and Family Studies, 28*, 2762-2771.
33. **Parade, S. H.**, Wong, K., Belair, R., Dickstein, S., & Seifer, R. (2019). Infant sleep moderates the effect of infant temperament on maternal depressive symptoms, maternal sensitivity, and family functioning. *Infant Behavior and Development, 57*, 101343.
34. Coe, J. L., **Parade, S. H.**, Seifer, R., Frank, L., & Tyrka, A. R. (2020). Household chaos moderates indirect pathways involving domestic violence, parenting practices, and behavior problems among preschool children. *Journal of Family Violence, 35*, 405-416.
35. Coe, J.L., Micalizzi, L., Josefson, B., **Parade, S. H.**, Seifer, R., & Tyrka, A.R. (2020). Sex differences in associations among early adversity, child temperament, and behavior problems. *International Journal of Behavioral Development, 44*, 490-504.
36. Ridout, K. K., Coe, J. L., **Parade, S. H.**, Marsit, C. J., Kao, H. T., Porton, B., Carpenter, L., Price, L., & Tyrka, A. R. (2020). Molecular Markers of Neuroendocrine Function and Mitochondrial Biogenesis Associated with Early Life Stress. *Psychoneuroendocrinology, 116*, 104632.
37. Coe, J. L., Huffhines, L., Contente, C. A., Seifer, R., & **Parade, S. H.** (2020). Intergenerational effects of maternal childhood experiences on maternal parenting and infant developmental progress. *Journal of Developmental and Behavioral Pediatrics, 41*, 619-627.
38. **Parade, S. H.**, Huffhines, L., Daniels, T., Stroud, L., Nugent, N., & Tyrka, A. (2021). A systematic review of childhood maltreatment and DNA methylation: Candidate gene and epigenome-wide approaches. *Translational Psychiatry, 11*, 134.
[Note: Drs. Parade and Huffhines contributed equally to this work.]

39. Coe, J.L., Huffhines, L., Gonzalez, D., Seifer, R., & **Parade, S. H.** (2021). Cascades of risk linking intimate partner violence and adverse childhood experiences to less sensitive caregiving during infancy. *Child Maltreatment, 26*, 409-419.
40. Ikeda, A. S., Knopik, V. S., Bidwell, L. C., **Parade, S. H.**, Goodman, S. H., Emory, E. K., Palmer, R. H. C. (2022). A review of associations between externalizing behaviors and prenatal cannabis exposure: Limitations & future directions. *Toxics, 10*, 17.
41. Buka, S. L., Beers, L., Biel, M. G., Counts, N. Z., Hudziak, J., **Parade, S.**, Paris, R., Seifer, R., & Drury, S. S. (2022). The Family is the Patient: Promoting Early Childhood Mental Health in Pediatric Care. *Pediatrics, 149*(Supplement 5).
42. Huffhines, L., Coe, J. Busuito, A., Seifer, R., & **Parade, S. H.** (2022). Understanding links between maternal perinatal posttraumatic stress symptoms and infant socioemotional and physical health. *Infant Mental Health Journal, 43*, 474-492.
43. Huffhines, L., Bublitz, M. H., Coe, J., Seifer, R. & **Parade, S. H.** (2022). Maternal perinatal hypertensive disorders and parenting in infancy. *Infant Behavior and Development, 69*, 101781.
44. Carcedo, R. J., Vázquez-Iglesias, P., **Parade, S.**, Hervalejo, D., and Herreros-Fraile, A. (2023). Social anxiety mediates the effect of attachment to parents on friendships and loneliness during the college transition. *Current Psychology, 42*, 10457–10467.
45. Huffhines, L., Herman, R., Silver, R. B., Low, C., Newland, R. & **Parade, S. H.** (in press). Reflective Supervision and Consultation and its Impact Within Early Childhood-Serving Programs: A Systematic Review. *Infant Mental Health Journal*.
46. Lee, S. Y., Vergara-Lopez, C., Jennings, E., Nugent, N. R., **Parade, S. H.**, Tyrka, A. R., & Stroud, L. R. (accepted). How can we build structural resilience? Integration of social-ecological and minority stress models. *American Psychologist*.
47. Daniels, T. E., Zitkovsky, E. K., Laumann, L. E., Kunicki, Z. J., Price, D. J., Peterson, A. L., Denney, P. A., Kao, H. T., **Parade, S. H.**, Price, L. H., Abrantes, A. M., & Tyrka, A. R. (accepted). Circulating cell-free mitochondrial DNA (cf-mtDNA) and depressive symptoms among low-active adults who smoke. *Psychosomatic Medicine*.
48. Huffhines, L., Bailes, L. G., Coe, J. L., Leerkes, E. M., & **Parade, S. H.** (accepted). Mothers' recollections of parenting by their own mothers and fathers and maternal and infant outcomes. *Family Relations*.

BOOK CHAPTERS

1. Leerkes, E.M. & **Parade, S. H.** (2015). A psychobiological perspective on emotional

development within the family context. In S.D. Calkins (Ed). *Handbook of infant development: Biopsychosocial perspectives*. New York: Guilford.

2. Seifer, R. S. & **Parade, S. H.** (2020). Teratology. In J. Benson (Ed.) *Encyclopedia of Infant and Early Childhood Development, 2nd edition*. Oxford: Elsevier.

3. Barnes, S. E., Boekamp, J. R., Davis, T., De Steiguer, A., Hunter, H. L., Lin, Lydia, Martin, S. E., Morrison, R., Parade, S., Partridge, K., Simon, K., Storey, K., & Walters, A. (2022). Perspectives on General Partial Hospital Programs for Children. In Leffler, J. M., Frazier, E. A. (Eds.) *Handbook of Evidence-Based Day Treatment Programs for Children and Adolescents*. Springer, Cham.

4. Leerkes, E. M., **Parade, S. H.**, & Benito-Gomez, M. (2022). Parenting during infancy and early childhood. In A. S. Morris & J. M. Smith (Eds), *Handbook of Parenting: Interdisciplinary Research and Application*. Cambridge University Press.

OTHER NON-PEER REVIEWED PUBLICATIONS

1. **Parade, S. H.** (2013). Inter-parental violence in early childhood: Identification and intervention with exposed children. *The Brown University Child and Adolescent Behavior Letter*, 29, 10, 1-5.

2. Newland, R. P. & **Parade, S. H.**, (2016). Screening and treatment of postpartum depression: Impact on children and families. *The Brown University Child and Adolescent Behavior Letter*, 32, 1-6.

3. Aguiar, N., Berger, B., Clyne, A., High, P., Low, C. Lowell, S., Pallant, A., **Parade, S. H.**, & Seifer, R. (2016). *Toxic Stress Toolkit: For Primary Care Providers Caring for Young Children*. Available online at: <http://www.health.ri.gov/publications/toolkits/ToxicStress.pdf>

4. Yaptangco, M., Musella, K., Preddy, T., **Parade, S. H.**, & Parent, J. (2018). Measurement selection in assessing outcomes of the Bradley Hospital Children's Partial Program. *The Brown University Child and Adolescent Behavior Letter*, 34, 1-7.

5. Coe, J. L. & **Parade, S. H.** (2019). Family Instability as a Unique Risk Factor for Children's Adjustment Problems. *The Brown University Child and Adolescent Behavior Letter*, 35, 1-6.

6. Barnes, S. E., Steiguer, A., Gelman, D., & **Parade, S.** (2020). Implementation of Measurement-Based Care in a Child Partial Hospital Program. *The Brown University Child and Adolescent Behavior Letter*. 36, 1-7.

ABSTRACTS

1. Doucet, F., Kublay, E., **Parade, S. H.** (November, 2004). What Preschoolers Should Know About Race: African American Parental Beliefs. Poster presented at the National Council on Family Relations Annual Conference, Orlando, Florida.
2. **Parade, S. H.** (May, 2005) The Effect of Adult's Perceptions of Their Childhood Experiences of Parental Acceptance/Rejection on the Current Parent-Adult Child Relationship. Poster presented at the Frontiers of Undergraduate Research poster exhibition, University of Connecticut, Storrs, Connecticut.
3. Gibson, B., **Parade, S. H.**, Garvey, E. (November, 2005) Long-Term Consequences of Parental Acceptance-Rejection: An examination of Family Caregiving in the Context of Relationship Quality. Poster presented at the Gerontological Society of America Annual Conference, New Orleans, Louisiana.
4. **Parade, S. H.** & Moore, M. J. C. (February 2007). Recruitment and Retention of Minority Participants in Research. Workshop held at the Southeastern Symposium for Child and Family Development, Blacksburg, VA.
5. **Parade, S. H.** & Leerkes, E. M. (April, 2007). Reliability and validity of the Infant Behavior Questionnaire-Revised at 6 months. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Boston, MA.
6. Leerkes, E. M., Beaudry, R. V., **Parade, S. H.**, & Siepak, K. (April, 2007). Links between Mothers' Beliefs about Crying, Maternal Responsiveness to Infant Fear, and Infant Fear Reactivity and Regulation. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Boston, MA.
7. **Parade, S. H.** & Leerkes, E. M. (November, 2007). Attachment to Parents and the Close Relationships of College Freshmen. Poster presented at the annual meeting of the National Council on Family Relations. Pittsburgh, PA.
8. Leerkes, E. M., Burney, R. V., & **Parade, S. H.** (March, 2008). Stop Crying! Origins of Mothers' Beliefs and Goals about Infant Crying. Poster presented at the Biennial International Conference on Infant Studies, Vancouver, Canada.
9. **Parade, S. H.** & Leerkes, E. M. (July, 2008). Depression as a Mediator of the Association Between Parental Attachment Security and College Student Engagement in High Risk Behaviors. Poster presented at the International Association for Relationship Research Conference, Providence, RI.
10. **Parade, S. H.** & Leerkes, E. M. (April, 2009). Attachment to Parents as a Predictor of Change in Depression over the Transition to College. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Denver, CO.

11. **Parade, S.H.**, Leerkes, E.M., Crockenberg, S., & Faldowski, R.A. (2010, March). Close relationships predict trajectories of maternal depression over the transition to parenthood. Poster presented at the International Conference on Infant Studies, Baltimore, MD.
12. Leerkes, E. M., **Parade, S. H.**, Gudmundson, J. A., Walker, M., Watson, C., & Burney, R. (2011, April). Links between pregnant women's physiological reactions to and appraisals of crying infants. Poster presented at the Biennial Meeting of the Society For Research in Child Development, Montreal, Canada.
13. **Parade, S. H.**, & Leerkes, E. M. (2011, April). Links between marital processes and women's attributions of crying infants. Poster presented at the Biennial Meeting of the Society For Research in Child Development, Montreal, Canada.
14. Leerkes, E. M., **Parade, S. H.**, Gudmundson, J. A., & Burney, R. (2011, April). Racial differences in the effects of parents' emotion socialization strategies on emotional adjustment. In E. M. Leerkes & J. A. Nelson (Co-chairs), Racial and cultural differences in parents' emotion socialization beliefs and practices. Symposium presented at the Biennial Meeting of the Society For Research in Child Development, Montreal, Canada.
15. **Parade, S. H.**, & Leerkes, E. M. (2011, April). Marital aggression predicts infant orienting toward mothers at six months. In G. A. Moore (Chair), Marital conflict in infancy: Behavioral, neural, and social development. Symposium presented at the Biennial Meeting of the Society For Research in Child Development, Montreal, Canada.
16. **Parade, S. H.**, Seifer, R., & Dickstein, S. (2012, June). Infant Sleep Difficulty, Prenatal Expectations for Infant Sleep, and Maternal Sensitivity at 12 Months Postpartum. Poster presented at the International Conference on Infant Studies, Minneapolis, MN.
17. **Parade, S. H.**, Seifer, R., Dickstein, S., & Armstrong L. (2013, April). Maternal Sensitivity Predicts Variability in Infant Sleep Between 8 and 15 Months Independent of Whole Family Functioning. In S. H. Parade & R. Seifer (Chairs), The Parenting Context of Infant Sleep: Influence of Parental Behaviors, Cognitions, and Emotions. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
18. **Parade, S. H.**, Bublitz, M., & Stroud, M. (2013, April). Domestic Violence in the Mother's Family of Origin Predicts Infant HPA Axis Functioning over the First 30 Days: Moderated Effects. In M. Bublitz (Chair), Effects of Maternal History of Child Maltreatment on Maternal, Placental, and Infant Stress Biology in the Perinatal Period. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
19. Seifer, R., Dickstein, S., & **Parade, S.** (2013, April). Maternal depression and attachment security: Role of child temperament, child sleep, and relationship goodness of fit. In S. Watamura (Chair), Understanding Primary Caregiver Depression Effects on Diverse Children in

the Context Multiple Risks. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

20. Shillan, B., **Parade, S.**, Tyrka, A., Seifer, R., & Dickstein, S. (2013, April). Positive Parenting Practices Moderates Links between Parenting Stress and Child Behavior Independent of Child Maltreatment. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

21. Tyrka, A., **Parade, S. H.**, Clement, A. M., Berger, R., Dickstein, S., & Seifer, R. (2013, April). Awakening Cortisol and Recent Stress in Maltreated and Non-Maltreated Preschoolers. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

22. Silver, R., Godoy, L., Seifer, R., **Parade, S. H.**, Dickstein, S., Low, C., Campagna, K., & Berger, B. (2013, May). Implementing Early Childhood Screening and Mental Health Consultation in Community Settings: Barriers, Facilitators, and Promising Approaches. Poster presented at the Society for Prevention Research Annual Meeting, San Francisco, CA.

23. Seifer, R., Dickstein, S., Berger, B., Campagna, K., Low, C., Silver, R., & **Parade, S. H.** (2013, May). Early Identification of Developmental and Social Problems: Screening in Pediatric Primary Care Settings. Poster presented at the Society for Prevention Research Annual Meeting, San Francisco, CA.

24. Eslinger, N., **Parade, S.**, Seifer, R., Clement, A., Berger, R., Dickstein, S., & Tyrka, A.R. (2013, May). Stress exposure in preschoolers: Adrenocortical and behavioral correlates. Poster presented at the Sixteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University.

25. Josefson, B., **Parade, S. H.**, Tyrka, A., Seifer, R., & Dickstein, S. (2013, May). Positive Parenting Practices Moderates Links Between Parenting Stress and Child Behavior Independent of Child Maltreatment. Poster presented at the Sixteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University.

26. Kamalu, I. C., **Parade, S. H.**, & Stroud, L. (August, 2013). The effects of maternal smoking on infant biological and behavioral stress response. Poster presented at the Brown Undergraduate Research Day, Providence, RI

27. Tyrka, A. R., **Parade, S. H.**, Eslinger, N., Geraciotti, T. D., Josefson, B. L., Clement, A. M., Berger, R., Dickstein, S. & Seifer, R. (2013, December). Maltreated Preschoolers: The Association of Stress Exposure with Adrenocortical and Behavioral Outcomes. Poster presented at the American College of Neuropsychopharmacology meeting, Hollywood, FL.

28. Kamalu, I. C., **Parade, S. H.**, Morales, M., & Stroud, L. (2014, March). Prenatal environment and infant behavioral outcomes: Fine grained coding of observational assessments

at six months. Poster presented at the Brown University Mind Brain Research Day, Providence, RI.

29. Josefson, B., **Parade, S. H.**, Eslinger, N. M., Seifer, R., Marsit, C. J., Lesseur, C., Armstrong, D. A., Philip, N. S., & Tyrka A. R. (2014, March). Methylation of exons 1_D, 1_F, and 1_H of the glucocorticoid receptor gene promoter and exposure to adversity in pre-school aged children. Poster presented at the Brown University Mind/Brain Research Day, Providence, RI and the Lifespan's Research Day, Providence, RI.

30. McWilliams, M. A., **Parade, S. H.**, Ridout, K., Seifer, R., Armstrong, D., Marsit, C., Tyrka, A. (2014, March). Methylation of the glucocorticoid receptor gene promoter in preschoolers: Links with internalizing behavior problems. Poster presented at Brown University Mind Brain Research Day, Providence, RI.

31. Tyrka, A. R., **Parade, S. H.**, Price, L. H., Kao, H., Porton, B., Philip, N. S., Welch, E. S., Carpenter, L. L. (2014, May). Alterations of Mitochondrial DNA Copy Number and Telomere Length with Early Adversity and Psychopathology. Poster presented at the Society of Biology Psychiatry meeting, New York, NY.

32. Silver, R. B., Godoy, L., Shepard, S., **Parade, S. H.**, & Dickstein, S. (2014, May). Embedding Early Childhood Behavioral Health Services in Community Settings: An Implementation Science Perspective. Poster presented at the Society for Prevention Research Annual Meeting.

33. Seifer, R., **Parade, S. H.**, Low, C., & Dickstein, S. (2014, June). Goodness of fit between maternal and infant sleep is associated with maternal postpartum depressive symptoms and attachment security. Poster presented at the World Association for Infant Mental Health World Congress, Edinburgh, Scotland.

34. **Parade, S. H.**, Cammack, A. M., Shepard, S., Silver, R., Costello, L., Campagna, K., Remington, S., & Seifer R. (2014, June). Bringing evidence-based home visiting program to scale: The maternal infant and early childhood home visiting (MIECHV) program in Rhode Island (USA). Poster presented at the World Association for Infant Mental Health World Congress, Edinburgh, Scotland.

35. Giudice, C., Morales, M., Aubuchon-Endsley, N., **Parade, S. H.**, Bublitz, M., & Stroud, L. (2014, July). Vaginal Delivery is Associated with Increased Cortisol Stress Response on the day of Delivery Only. Poster presented at the International Conference on Infant Studies, Berlin, Germany.

36. **Parade, S. H.**, Dickstein, S., Armstrong, L. A., Lynch, M., Hermann, M., Belair, R., & Seifer, R. (2014, July). Family Context Moderates the Stability of Infant Temperament Across the First 30 Months of Life. Poster presented at the International Conference on Infant Studies, Berlin, Germany.

37. Armstrong, L. A., **Parade, S. H.**, & Seifer, R. (2014, July). Links Between Maternal Postpartum Depression and Anxiety and Toddler Behavior Problems. Poster presented at the International Conference on Infant Studies, Berlin, Germany.
38. Stroud, L., **Parade, S. H.**, Bublitz, M., Morales, M., Papandonatos, G., & Aubuchon-Endsley, N. (2014, July). Maternal perinatal depression and antidepressant exposure: Pathways to infant neurobehavioral dysregulation In T. Oberlander (Chair), Maternal perinatal depressive disorder: Prenatal programming of maternal and neonatal cortisol (dys)regulation. Paper presented at the International Conference on Infant Studies, Berlin, Germany.
39. **Parade, S. H.**, Morales, M., Papandonatos, G., & Stroud, L. (2014, July). Family Context Moderates the Influence of Prenatal Tobacco Exposure on Neonatal Cortisol Stress Response. In L. Stroud (Chair), Prenatal Tobacco Exposure and Dysregulated Stress Response in Infancy: Effects and Contextual Moderators. Paper presented at the International Conference on Infant Studies, Berlin, Germany.
40. Gutierrez, J., **Parade, S. H.**, & Stroud, L. (2014, November). Evaluating the effects of antenatal depression on infant behavior at 6 months. Poster presented at the Brown University Medical Student Summer Showcase, Providence, RI.
41. Tyrka, A. R., Price, L. H., **Parade, S. H.**, Kao, H., Porton, B., Philip, N. S., Welch, E. S., Carpenter, L. L. (2014, December). Alterations of Mitochondrial DNA Copy Number and Telomere Length with Early Adversity and Psychopathology. Poster presented at the American College of Neuropsychopharmacology meeting, Phoenix, AZ.
42. Ridout, K., **Parade, S. H.**, Seifer, R., Marsit, C., Lesueur, C., Armstrong, D., Eslinger, N., McWilliams, M., Philip, N., Josefson, B., & Tyrka, A. (2014, December). Exposure to adversity in pre-school aged children, glucocorticoid receptor gene methylation and behavioral outcomes. Poster presented at the American College of Neuropsychopharmacology meeting, Phoenix, AZ.
43. Kehoe, T., **Parade, S. H.**, Miller, A., Arkerson, R.L., Stroud, L., Seifer, R. (2015, March). Sociometric status predicts diurnal cortisol patterns in early childhood. Poster presented at the Brown University Mind Brain Research Day, Providence, RI.
44. Josefson, B., **Parade, S. H.**, Seifer, R., & Tyrka, A. (2015, March). Parents' reports of the home environment, but not independent observers' reports, are associated with positive parenting practices. Poster presented at the Brown University Mind Brain Research Day, Providence, RI.
45. Feliz, P, Newland, R., Low, C., Silver, R., **Parade, S. H.**, Dickstein, S., & Seifer, R. (2015, March). Developmental Screenings in Pediatric Primary Care: Associations between parent-reported and clinical concerns across the preschool period. Poster presented at Brown University Mind Brain Research Day, Providence, RI.

46. Ward, C., **Parade, S. H.**, Stroud, L. (2015, March). Infant behavior at 30 days: A predictor of maternal behavior at 6 months. Poster presented at Brown University Mind Brain Research Day, Providence, RI.
47. Crider, C., **Parade, S. H.**, Newland, R., & Seifer, R. (2015, March). Infant Temperament Predicts Variability in Infant Sleep, but not Infant Sleep Efficiency. Poster presented at Brown University Mind Brain Research Day, Providence, RI.
48. **Parade, S. H.**, Ridout, K., Seifer, R., Armstrong, D., Marsit, C., McWilliams, M., & Tyrka, A. (2015, March). Methylation of the Glucocorticoid Receptor Gene Promoter in Preschoolers With Adversity: Links with Internalizing Problems. In S. Parade & E. Conradt (Chairs), DNA Methylation as a Marker and Mechanism Underlying Effects of Early Life Stress on Problem Behavior in Childhood. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
49. Seifer, R., **Parade, S. H.**, & Newland, R. (2015, March). Goodness of fit between maternal and infant sleep predicts maternal postpartum depressive symptoms. In R. Berger & A. Miller (Chairs). The Association of Sleep with Social-Contextual Risks and Developmental Outcomes in Early Childhood. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
50. Stroud, L., Bublitz, M., **Parade, S. H.**, & McCallum, A. (2015, March). Maternal perinatal depressive disorder: Prenatal programming of maternal and neonatal cortisol (dys)regulation. In S. Goodman (Chair). Maternal perinatal depression and antidepressant exposure: Pathways to infant neurobehavioral dysregulation. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
51. Kehoe, T., **Parade, S. H.**, Miller, A., Locke, R., Stroud, L., & Seifer, R. (2015, March). Sociometric Status Predicts Diurnal Cortisol Patterns in Early Childhood. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
52. Gutierrez, J., **Parade, S. H.**, & Stroud, L. (2015, April). Evaluating the Effects of Antenatal Depression on Infant Behavior at 6 Months Postpartum. New England Science Symposiums. Boston, MA.
53. Ridout, K. K., **Parade, S. H.**, Paquette, A., Marsit, C. J., Seifer, R., & Tyrka, A. R. (2015, December). Childhood Maltreatment and Methylation of *FKBP5*. Poster presented at the American College of Neuropsychopharmacology meeting. Hollywood, FL.
54. Ward, C., **Parade, S. H.**, Kehoe, T., Stroud, L.R. (2016, March). Pregnant Smokers Show Altered Maternal Sensitivity and Behavior. Poster presented at Brown University Mind Brain Research Day, Providence, RI.
55. Preddy, T. M., Musella, K. E., **Parade, S. H.**, & Walters, A. (2016, March) Evaluating Clinical Outcomes in a Child Partial Hospital Setting: Improvements in Child Psychosocial

Functioning and Parenting Strategies. Poster presented at Brown University Mind Brain Research Day, Providence, RI.

56. Klaver, S. J., Gallagher J., Tyrka, A., Seifer, R., **Parade, S. H.** (2016, March). Temperament as a Moderator of Internalizing Behavior in Preschoolers Exposed to Domestic Violence. Poster presented at Brown University Mind Brain Research Day, Providence, RI.

57. Josefson, B., Westerberg, D., Seifer, R., Tyrka, A. R., & **Parade, S. H.** (2016, March). Children Who Witness Domestic Violence: What Factors Influence Parental Disclosure of Child Exposure? Poster presented at Brown University Mind Brain Research Day, Providence, RI.

58. Rabemananjara, K., Newland, R., Seifer, R., Berger, B., Campagna, K., Barone, A., & **Parade, S. H.** (2016, March). The Effects of Adverse Childhood Experiences on Maternal Health in the Prenatal Period. Poster presented at Brown University Mind Brain Research Day, Providence, RI.

59. Ridout, K.K., **Parade, S. H.**, Paquette, A., Marsit, C., Seifer, R., Tyrka, A.R. (2016, March) Childhood Maltreatment and Methylation of FKBP5. Mind Brain Research Day, Brown University, Providence, RI

60. Ridout, K.K., **Parade, S. H.**, Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B, Tyrka, A.R. (2016, March) Association between Molecular Markers of Neuroendocrine Function and Cellular Metabolism with Early Life Stress and Psychopathology. Mind Brain Research Day, Brown University, Providence, RI

61. Preddy, T. M., Musella, K. E., **Parade, S. H.**, & Walters, A. (2016, March). Evaluating clinical outcomes in a child partial hospital setting: Improvements in child psychosocial functioning and parenting strategies. Poster presented at the Annual Brown University Mind Brain Research Day, Providence, RI.

62. Rodriguez, R., Hartz-Mandell, K., **Parade, S. H.**, Shepard-Umaschi, S., Campagna, K., Berger, B., Bowman, S., Remington, S., & Seifer, R. (2016, March). Outcomes of a Family Visiting Program: Do they Differ by Ethnic Group? Poster presented at Brown University Mind Brain Research Day, Providence, RI.

63. Ridout, K.K., **Parade, S. H.**, Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B., Tyrka, A.R. (2016, May). Associations Between Neuroendocrine Function and Mitochondrial DNA Copy Number in a Sample of Healthy Adults. Society of Biological Psychiatry Annual Meeting. Atlanta, GA.

64. **Parade, S. H.**, Umaschi, S., Silver, R., Campagna, K., Remington, S., Bowman, S., Rojceqicz, J., & Seifer, R. (2016, May). Maternal Infant and Early Childhood Home Visiting: Home Visitor Beliefs and Openness to Evidence Based Practice. Poster presented at the International Conference on Infant Studies. New Orleans, LA.

65. Newland, R., **Parade, S. H.**, & Seifer, R. (2016, May). The Association between Maternal Depression and Sensitivity: Child-Directed Effects on Parenting during Infancy. In K. Crnic (Chair) Infant Development in the Context of their Caregivers. Symposium presented at the International Conference on Infant Studies. New Orleans, LA.
66. Stroud, L., **Parade, S. H.**, Papandonatos, G., Salisbury, A., & Marsit, C. (2016, May). Perinatal exposure to maternal depressive disorder and neonatal stress response: Placental glucocorticoid & serotonergic pathways. In E. Davis (Chair) Biological embedding of early adversity: Examination of maternal mental illness, household chaos and neighborhood violence. Symposium presented at the International Conference on Infant Studies. New Orleans, LA.
67. **Parade, S. H.**, Ridout, K., Seifer, R., Marsit, C., & Tyrka, A. (2016, May). Methylation of *FKBP5* among preschoolers with adversity: Links with domestic violence. In B. Ostlund (Chair). Maternal trauma and biological processes in infancy and early childhood: An integrated approach. Symposium presented at the International Conference on Infant Studies. New Orleans, LA.
68. Goo, K., **Parade, S. H.**, & Stroud, L. (2016, August). Biological Stress Response and Behavioral Fear Regulation in At-Risk Infants. Poster presented at the Brown Undergraduate Research Day, Providence, RI.
69. Preddy, T. M., Musella, K. E., **Parade, S. H.**, Walters, A. S., & Hunt, J. (2016, October). Treatment Outcomes for Families Participating in a Partial Hospital Program: Improvements in Mental Health and Parenting Strategies. Poster presented at the annual meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY.
70. Musella, K. E., Preddy, T. M., Walters, A. S., **Parade, S. H.**, & Hunt, J. (2016, October). Improvements in Internalizing Symptoms in a Child Partial Hospital Setting: Parent and Child Perspectives. Poster presented at the annual meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY.
71. **Parade, S. H.**, Remington, S., Massey, C., & Low, C. (2016, November). *Embedding Reflective Practice Within a Statewide Home Visiting System*. Presentation at the National Summit on Quality in Home Visiting Programs. Washington, DC.
72. Josefson, B., Westerberg, D., Seifer, R., Tyrka, A. R., & **Parade, S. H.** (2017, April). Parental Disclosure of Child Exposure to Domestic Violence: Effects of Sociodemographic Factors Over Time. Poster Presented at the Brown University Mind/Brain Research Day. Providence, RI.
73. Klaver, S. J., Tyrka, A., Seifer, R., & **Parade, S. H.** (2017, April). Neighborhood safety and internalizing behavior problems among preschoolers living in poverty: The role of family violence. Poster Presented at the Brown University Mind/Brain Research Day. Providence, RI.

74. Parent, J., Laumann, L., **Parade, S. H.**, Ridout, K. K., Seifer, R., Marsit, C. J., & Tyrka, A. R. (2017, April). Modeling change in children's internalizing and methylation of glucocorticoid receptor gene NR3C1: The role of child maltreatment. Poster presented at the Brown University Mind/Brain Research Day, Providence, RI.
75. Rabemananjara, K. Newland, R., Seifer, R., Berger, B., Campagna, K., Barone, A., **Parade, S. H.** (2017, April). The effects of adverse childhood experiences on maternal health in the prenatal period. Poster presented at the Brown University Mind/Brain Research Day. Providence, RI.
76. Rodriguez, J., **Parade, S. H.**, Shepard Umaschi, S., Berger, B., Campagna, K., Bowman, S., Remington, S., & Seifer, R. (2017, April). Maternal education, the quality of the home environment, and infant social-emotional health. Poster presented at the Brown University Mind/Brain Research Day. Providence, RI.
77. Westerberg, D., **Parade, S. H.**, Tyrka, A., Geraciotti, T., Josefson, B., Welch, E., & Seifer, R. (2017, April). Family contextual stress, cortisol, and behavior problems in high-risk preschoolers. Poster presented at the Brown University Mind/Brain Research Day. Providence, RI.
78. Goo, K., **Parade, S. H.**, & Stroud, L. (2017, April). Hypothalamic Pituitary Adrenal (HPA) Stress Response System Functioning and Behavioral Fear Regulation in At-Risk Infants. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
79. Klaver, S. J., Tyrka, A., Seifer, R., & **Parade, S. H.** (2017, April). Neighborhood safety and internalizing behavior problems among preschoolers living in poverty: The role of family violence. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
80. Locke, R., **Parade, S. H.**, Tyrka, A., & Seifer, R. (2017, April). Physiological and anger dysregulation in preschoolers exposed to early adversity. In M. Dozier (Chair). Adversity and its Consequences for Child Adaptation. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
81. **Parade, S. H.**, Josefson, B., Hermann, M., Berger, B., Campagna, K., Barone, A., & Seifer, R. (2017, April). Pathways linking maternal adverse childhood experiences to maternal depressive symptoms in pregnancy. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
82. **Parade, S. H.**, Parent, J., Ridout, K., Seifer, R., Marsit, C., & Tyrka, A. (2017 April). Longitudinal change in methylation of *FKBP5* among preschoolers with adversity. In J. Parent (Chair), Epigenetics and developmental psychopathology. Symposium presented at the Society for Research in Child Development meeting, Austin, TX.
83. Parent, J., **Parade, S. H.**, Ridout, K., Seifer, R., Marsit, C., & Tyrka, A. (2017, April). Modeling change in child internalizing and methylation of the glucocorticoid receptor gene *NR3C1*: The role of child maltreatment. In J. Parent (Chair), Epigenetics and developmental psychopathology. Symposium presented at the Society for Research in Child Development meeting, Austin, TX.

84. Rabemananjara, K., Newland, R., Seifer, R., Berger, B., Campagna, K., Barone, A., **Parade, S. H.** (2017, April). The effects of adverse childhood experiences on maternal health in the prenatal period. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
85. Rodriguez, J., **Parade, S. H.**, Shepard Umaschi, S., Berger, B., Campagna, K., Bowman, S., Remington, S., & Seifer, R. (2017, April). Maternal education, the quality of the home environment, and infant social-emotional health. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.
86. Seifer, R., **Parade, S. H.**, Newland, R., & Dickstein, S. (2017, April). Variability in temperament, variability in sleep, and associations with attachment and parenting sensitivity. In R. Breitenstein (Chair), Cross-sectional and longitudinal links between sleep and temperament in infancy and childhood: The role of contextual factors. Symposium presented at the Society for Research in Child Development meeting, Austin, TX.
87. Westerberg, D., **Parade, S. H.**, Tyrka, A., Geraciotti, T., Josefson, B., Welch, E., & Seifer, R. (2017, April). Family contextual stress, cortisol, and behavior problems in high-risk preschoolers. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Austin, TX.
88. Musella, K., Preddy, T., Walters, A. S., **Parade, S. H.**, & Hunt, J. I. (2017, October). Evaluation of improvements in psychosocial functioning in a child partial hospital setting. Poster presented at the annual meeting of the American Academy of Child & Adolescent Psychiatry. Washington, DC.
89. Novick, A., **Parade, S. H.**, Parent, J., Seifer, R., Klaver, S., Marsit, C., Gobin, P., Yang, B., & Tyrka, A. R. (2017, December). Stress exposure and psychopathology alter methylation of the serotonin receptor HTR2A gene in preschoolers. Poster presented at the American College of Neuropsychopharmacology meeting. Palm Springs, CA.
90. Tyrka, A. R., Ridout, K., **Parade, S. H.**, Seifer, R., Kao, H., Porton, B., Mangan, S., & Price, L. H. (2017, December). Association between molecular markers of aging with early life stress and psychiatric disorders. Poster presented at the American College of Neuropsychopharmacology meeting. Palm Springs, CA.
91. Yaptangco, M., Musella, K. E., **Parade, S. H.**, Preddy, T. M., & Walters, A. S. (2018, April). Family stress as a moderator of internalizing symptoms in children with serious mental illness. Poster presented at the Brown University Mind/Brain Research Day. Providence, RI.
92. Tyrka, A. R., Ridout, K., **Parade, S. H.**, Gaillard, M., Seifer, R., Kao, H., Porton, B., Price, L. H., & Bath, K. G. (2018, May). Early stress and mitochondrial DNA in human and mouse models. In J. Verhoeven (Chair), Mitochondrial Stress and Psychiatric Disorders. Symposium presented at the Society of Biological Psychiatry meeting. New York, NY.
93. Novick, A., Werchan, D., Amso, D., **Parade, S. H.**, Ackerman, L., Gunther, K., Seifer, R., Philip, N., & Tyrka, A. (2018, May). Cognitive and affective function in school-aged children experiencing trauma and adversity. Poster presented at the Society of Biological Psychiatry meeting. New York, NY.

94. Yaptangco, M., Musella, K. E., **Parade, S. H.**, Preddy, T. M., & Walters, A. S. (2018, November). Family stress as a moderator of internalizing symptoms in children with serious mental illness. Poster presented at the Association for Behavioral and Cognitive Therapies, Washington, DC.
95. Frank, L. E., Wong, K., Josefson, B. L., Seifer, R., & **Parade, S. H.** (2019, March). The effects of maternal parenting behavior, stress, and depression on infant chronic health problems. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
96. Rodriguez, J., Frank, L. E., Seifer, R., & **Parade, S. H.** (2019, March). Maternal adverse childhood experiences, pregnancy conditions, and infant behavior at 12 months postpartum. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
97. Coe, J.L., Frank, L., **Parade, S. H.**, Seifer, R., & Tyrka, A.R. (2019, March). The interplay among domestic violence, household chaos, parenting practices, and preschool children's psychological adjustment. In H. Weldon (Chair), Influences and mechanisms of the influence of parental conflict on children. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
98. **Parade, S. H.**, Campagna, K., Berger, B., & Seifer, R. (2019, March). Maternal ACES, family engagement in home visiting, and maternal-child health. In S. Parade (Chair), Stress and Trauma in Home Visiting: Predictors of Family Engagement and Maternal-Child Health Outcomes. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
99. **Parade, S. H.**, Ridout, K., Kao, H. T., Magnan, S., Seifer, R. Porton, B. Price, L., & Tyrka, A. R. (2019, March). Mitochondrial Dysfunction in Preschoolers Exposed to Early Adversity. In S. Horn (Chair), Novel Metabolic and Immune Biomarkers of Toxic Stress: New Directions and Considerations for Clinical Translatability. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
100. Yaptangco, M., Preddy, T. M., Musella, K. E., **Parade, S. H.**, Umaschi, S., & Walters, A. S. (2019, March). Family Stress moderates emotional and behavioral symptoms for children in a partial hospital setting. Poster presented at the Society for Research on Child Development, Baltimore, MD.
- 101 Wong, K., **Parade, S. H.**, Belair, R., Dickstein, S., & Seifer, R. (2019, March). Exploring the Moderating Role of Infant Sleep Variability between Infant Temperament and Maternal Sensitivity. In K. Wong (Chair), Examining Novel Predictors of Maternal Sensitivity during Infancy within the context of Risk. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.

102. McCallum, M., Borba, K., Corey, A., Nguyen, C., Ward, C., **Parade, S.**, & Stroud, L. (2019, March). Prospective Associations between Maternal Smoking Status During Pregnancy and Parenting Behaviors at Six Months Postpartum. In K. Wong (Chair), Examining Novel Predictors of Maternal Sensitivity during Infancy within the context of Risk. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland.
103. Josefson, B., Coe, J. L., Rodriguez, J., Micalizzi, L., **Parade, S. H.**, Seifer, R., & Tyrka, A. R. (2019, March). Child sex moderates the indirect effect of lifetime stress on behavior problems through temperament. Poster presented at the Brown University Mind Brain Research Day, Providence, RI.
104. Coe, J.L., Seifer, R., & **Parade, S. H.** (2019, November). Intergenerational effects of maternal adverse childhood experiences on infant health problems: Pregnancy conditions as mediators. Poster presented at the International Society for Traumatic Stress Studies annual meeting, Boston, MA.
105. Coe, J.L., Huffhines, L., Seifer, R., & **Parade, S.H.** (2020, March). Intergenerational effects of care: Maternal parenting in childhood, scaffolding in emerging adulthood, and infant problem-solving. Poster accepted for presentation at the Society for Research in Adolescence Biennial Meeting, San Diego, CA. Conference cancelled due to COVID-19.
106. Coe, J.L., Huffhines, L., Seifer, R., & **Parade, S.H.** (2020, March). The protective role of partner relationship satisfaction in a high-risk sample of emerging adult mothers. Poster accepted for presentation at the Society for Research on Adolescence Biennial Meeting, San Diego, CA. Conference cancelled due to COVID-19.
107. Huffhines, L., **Parade, S. H.** Daniels, T., Stroud, L. R., Nugent, N. R., Tyrka, A. R. (2020, March). A systematic review of childhood maltreatment and DNA methylation: Investigating candidate gene and epigenome wide approaches. Poster accepted for presentation at Mind Brain Research Day, Alpert Medical School of Brown University in Providence, RI. Cancelled due to COVID-19.
108. Coe, J.L., Huffhines, L., Seifer, R., & **Parade, S. H.** (2020, June). Intergenerational effects of maternal childhood experiences on maternal parenting and infant developmental progress. Poster accepted for presentation at The Administration for Children and Families' National Research Conference on Early Childhood, Arlington, VA. Conference cancelled due to COVID-19.
109. **Parade, S.H.**, Huffhines, L., Coe, J.L., & Seifer, R. (2020, July). Maternal pre-pregnancy BMI and pregnancy weight gain: Mechanisms of maternal childhood adversity and infant health outcomes. Paper accepted for presentation at the International Congress of Infant Studies. Cancelled due to COVID-19.

110. Huffhines, L., Coe, J., Bublitz, M., Seifer, R., & **Parade, S.** (2021, April). Maternal early life experiences and perinatal hypertensive disorders predict parenting stress, efficacy, and responsiveness. In Huffhines, L. (Chair), *Disrupting the cycle of intergenerational adversity through parenting: A multidisciplinary approach*. Symposium presented at the Biennial Meeting of the Society For Research in Child Development. Online due to COVID-19.
111. Parra, S., Huffhines, L., Coe, J., Seifer, R., & **Parade, S.** (2021, April). Parenting behavior moderates the association of socioeconomic risk and infant emotion dysregulation. Poster presented at the Biennial Meeting of the Society For Research in Child Development. Online due to COVID-19.
112. Huffhines, L., Coe, J., Seifer, R., & **Parade, S.** (2021, April). Posttraumatic stress in pregnancy and infant socioemotional and physical health: The role of maternal sensitivity. In Busuito A. (Chair), *Maternal adversity and child psychopathology in the first years of life: Parenting difficulties as mechanisms*. Symposium presented at the Biennial Meeting of the Society For Research in Child Development. Online due to COVID-19.
113. Coe, J.L., Gonzalez, D., **Parade, S.H.**, Seifer, R., Porton, B., Kao, H-T, & Tyrka, A.R. (2021, April). Parent-child relational boundaries and cellular aging among preschool-aged children with and without child welfare-substantiated maltreatment. Poster presented at the Biennial Meeting of the Society For Research in Child Development. Online due to COVID-19.
114. Rojo-Wissar, D. M., Coe, J. L., Daniels, T., Seifer, R., **Parade, S. H.**, & Tyrka, A. R. (2022, March). Parent-child relationship quality and boundaries during early childhood and actigraphy-measured sleep in middle childhood. Poster presented at the 2022 World Sleep Congress, Rome, Italy.
115. Huffhines, L., Hale, C., Cartier, D., Silver, R. B., & **Parade, S. H.** (2022, June). Reflective supervision as a promising approach to improve competence and well-being in the early childhood workforce: A systematic review. Poster presented at the National Research Conference on Early Childhood. Online due to COVID-19.
116. Huffhines, L., Hale, C., Bailes, L. G., Coe, J. L., Leerkes, E. M., & **Parade, S. H.** (2022, July). Mothers' perceptions of parenting by their own mothers and fathers: A pattern-based approach to examining links with maternal and infant outcomes. Poster presented at the 2022 International Congress of Infant Studies, Ottawa, Canada.
117. Vergara-Lopez, C., Grados, M., Josefson, B., Bock, B. C., Nugent, N., Armey, M. F., Tyrka, A. R., & **Parade, S. H.** (2022, July). Introducing a STAR COBRE Project: Childhood Maltreatment, Repetitive Negative Thinking, and Mental Health in Adolescence a 12-year Longitudinal Study. Poster session presented at the Rhode Island IDeA Emerging Area of Science Symposium, Providence, RI.
118. Baktha, A., Huffhines, L., **Parade, S. H.**, & Tyrka, A. R. (2022, October). Maltreatment in early childhood and later healthcare utilization. Flash talk presented at RA Research Day, Alpert

Medical School of Brown University in Providence, RI.

119. Pavin, O., Huffhines, L., **Parade, S. H.**, & Tyrka, A. R. (2022, October). Supportive parenting and verbal abilities in middle childhood: The role of socioeconomic adversity. Flash talk presented at RA Research Day, Alpert Medical School of Brown University in Providence, RI.

120. Rojo-Wissar, D., **Parade, S.**, Barker, D., Roane, B., Van Reen, E., Sharkey, K., & Carskadon, M. (2022). Child Maltreatment and Multidimensional Sleep Health among Incoming First-Year College Students. In SLEEP (Vol. 45, pp. A115-A115). JOURNALS DEPT, 2001 EVANS RD, CARY, NC 27513 USA: OXFORD UNIV PRESS INC. Poster presented at 1) the 2022 Annual Meeting of the Associated Professional Sleep Societies, Charlotte, North Carolina; 2) the 2022 RI IDeA Symposium: Emerging Areas of Science.

121. Goncalves Baptista, P., Thepmanivong, N., Gonzalez, D., Huffhines, L., Seifer, R., & **Parade, S. H.** (2023, March). Maternal childhood adversity and the postpartum coparenting relationship: Associations with infant temperament and behavior problems. Poster presented at the Biennial Meeting of the Society For Research in Child Development, Salt Lake City, Utah.

122. Parra, S., Huffhines, L., Seifer, R., & **Parade, S. H.** (2023, March). Maternal responsiveness, family socioeconomic risk, and infant mother-oriented regulation behaviors. Flash talk presented at the Biennial Meeting of the Society For Research in Child Development, Salt Lake City, Utah.

123. **Parade, S. H.**, Goncalves Baptista, P., Huffhines, L., Coe, J. L., & Seifer, R. (2023, March). Childhood emotion minimization and maltreatment predict maternal engagement in evidence based home visiting programs. Flash talk presented at the Biennial Meeting of the Society For Research in Child Development, Salt Lake City, Utah.

124. Huffhines, L., Martin, S., **Parade, S. H.**, Gottipay, A., Lin, L., DeMarco, M., Paszek, C., Liu, R., Spirito, A., & Boekamp, J. (2023, March). Trauma and neurocognitive and emotion processes in young children within a psychiatric partial hospitalization program. Poster presented at the Biennial Meeting of the Society For Research in Child Development, Salt Lake City, Utah.

125. Huffhines, L., Seifer, R., **Parade, S. H.**, & Tyrka, A. R. (2023, April). Parental responsiveness to emotion moderates pathways from emotion dysregulation to psychopathology in trauma-exposed children. In Huffhines L. (Chair), Context matters: Expanding understanding of child emotion regulation within family interactions and conditions of risk. Symposium presented at the Biennial Meeting of the Society For Research in Child Development, Salt Lake City, Utah.

126. Rojo-Wissar, D. M., Daniels, T, Seifer, R, **Parade, S. H.**, & Tyrka, AR. (2023, April). Father Involvement and Child Sleep in a Racially and Ethnically Diverse Sample Exposed to Adversity. In D. M. Rojo-Wissar (Chair), Parent and Child Sleep in the Context of Family Adversity. Symposium presented at the Society for Research on Child Development, Salt Lake

City, Utah.

127. Rojo-Wissar, D., **Parade, S.**, Barker, D., Van Reen, E., Sharkey, K., & Carskadon, M. (2023, June). 0147 Does Sleep Regularity Link Child Maltreatment to Depressive Symptoms among Incoming First-Year College Students? *Sleep*, 46(Supplement_1), A66-A66. Poster presented at the 2023 Annual Meeting of the Associated Professional Sleep Societies, Indianapolis, Indiana.

128. Hincapie, M. V., Rojo-Wissar, D., Coe, J., Seifer, R., Tyrka, A., & **Parade, S.** (2023, June). 0120 Interactions between Temperament and Parent-Child Relationship Quality in Early Childhood and Sleep in Middle Childhood. *Sleep*, 46(Supplement_1), A54-A54. In symposium Parenting-Related Factors, Youth Sleep, and Mental Health Across Development (chair) and presented as poster at the 2023 Annual Meeting of the Associated Professional Sleep Societies, Indianapolis, Indiana.

129. Silver, R. B., Low, C., Huffhines, L., Herman, R., Newland, R., & **Parade, S. H.** (2023, September). From development to research: A state's journey with reflective practice and supervision curricula. Lecture session presented at the Zero to Three Learn Conference, Minneapolis, Minnesota.

130. Coe, J.L., Huffhines, L., Daniels, T., Seifer, R., Tyrka, A. R., & **Parade, S. H.** (2023, November). Antecedents of parent-child relationship dynamics among caregivers and preschool-aged children who have experienced child maltreatment or other adverse childhood experiences. Poster accepted for presentation at the 39th Annual Meeting of the International Society for Traumatic Stress Studies, Los Angeles, CA.

131. Daniels, T., Coe, J. L., Huffhines, L., Seifer, R., Marsit, C. J., Kao, H-T, Porton, B., **Parade, S. H.**, & Tyrka, A. R. (2023, December). Associations of parent-child relationship dynamics and NR3C1 methylation, telomere attrition and mitochondrial DNA in pre-school aged children with and without maltreatment. Poster submitted to the American College of Neuropsychopharmacology Annual Meeting, Tampa, FL.

INVITED PRESENTATIONS

1. **Parade, S. H.** (2012, July). *Human Development at the Intersection of Individual and Family Contextual Risk*. Psychology Department, Rhode Island College, Providence, RI.

2. **Parade, S. H.** (2017, May). *Epigenetic Consequences of Childhood Maltreatment*. Psychology Research Day, University of Massachusetts Dartmouth, Dartmouth, MA.

3. **Parade, S. H.** (2017, October). *Risk, Resilience, and Health Among Children Exposed to Early Adversity*. Rhode Island College, Providence, RI.

4. **Parade, S. H.** (2018, January). *Epigenetic Processes Over Time Among Children With Early Adversity: Implications for Home Visiting Research*. Collaborative Science of Home Visiting National Meeting. Washington, DC.
5. Tyrka, A. R., **Parade, S. H.**, & Bath, K. (2018, March). *Early Life Stress: Aging and the Brain*. Brown University NSGP Seminar Series Bench to Bedside. Providence, RI.
6. **Parade, S. H.** (2018, July). *Parent Experiences and the Development of Infants*. United States Health Resources and Services Administration.
7. **Parade, S. H.** (2018, October). *Risk, Resilience, and Health Among Children Exposed to Early Adversity*. The University of North Carolina at Greensboro. Greensboro, NC.
8. **Parade, S. H.**, Seifer, R. Campagna, K., Bowman, S., & Remington, S. (2019, January). *Maternal ACES and Family Engagement in Home Visiting: Implications for Precision Home Visiting*. Collaborative Science of Home Visiting National Meeting. Washington, DC.
9. **Parade, S. H.** (2019, July). *Parent Experiences and the Development of Infants: The PEDI Study*. Rhode Island MIECHV Manager Meeting. Middletown, RI.
10. **Parade, S. H.** (2019, September). *Buffering Infants from Maternal Stress and Trauma: Evidence Based Home Visiting and the PEDI Study*. Women and Infants Hospital. Providence, RI.
11. **Parade, S. H.** (2021, April). *Intergenerational Effects of Childhood Adversity: Biobehavioral Mechanisms and Preventive Intervention Approaches*. Bradley Hospital Lunch & Learn Series. East Providence, RI
12. Huffhines, L., Coe, J., Bublitz, M., Seifer, R., & **Parade, S.** (2021, April). *Maternal early life experiences and perinatal hypertensive disorders predict parenting stress, efficacy, and responsiveness*. Presented at the meeting of the Stress, Trauma, and Resilience (STAR) Initiative at the Alpert Medical School of Brown University.
13. **Parade, S. H.** (2022, June). *Childhood Maltreatment: Biobehavioral Mechanisms and Community Based Prevention Approaches*. Columbia University T32 Child and Adolescent Psychiatry Seminar Series.

EXTERNAL RESEARCH FUNDING

1. NIMH, R01 MH083704, *Childhood Maltreatment: Biomarkers of Risk and Resilience*. (A. Tyrka, PI; **S. Parade, Subcontract Co-Investigator**), 1/1/10-12/31/15.

2. NIDA, R01 DA031188, *Maternal smoking: HPA and epigenetic pathways to infant neurobehavioral deficits*. (L. Stroud, PI; **S. Parade, Research Associate**), 8/15/11 – 4/30/18.
3. Health Resources and Services Administration, D89MC23156, D89MC26364, D89MC28279 *Rhode Island Maternal, Infant and Early Childhood Home Visiting Evaluation* (Rhode Island Department of Health, PI; **S. Parade, Co-Investigator**), 8/1/12 – 9/30/20.
4. Brain and Behavior Research Foundation, 21296, *HPA Mechanisms Underlying Links Between Inter-Parental Violence in Pregnancy and Infant Mental Health at 6 Months*. (**S. Parade, Principal Investigator**). 1/15/14 – 1/14/18.
5. Health Resources and Services Administration, H25MC00270, *Addressing Toxic Stress in Early Childhood*. (Rhode Island Department of Health, PI; **S. Parade, Co-Investigator**). 6/1/14 – 5/31/17.
6. Health Resources and Services Administration, R40MC28318, *Adverse Childhood Experiences in the Parent Generation: Impact on Family Engagement and Program Efficacy of MIECHV Home Visiting*. (**S. Parade, Principal Investigator**). 4/1/15 – 3/31/19.
7. Substance Abuse and Mental Health Services Administration, SM062426, *Rhode Island Project LAUNCH 2015* (Rhode Island Department of Health, PI; **S. Parade, Co-Investigator: Local Lead**). 9/30/15 – 9/29/19.
8. NICHD, R01 HD086487, *Risk Profiles and Mechanisms of Disease in Maltreated Children*. (A. Tyrka, PI; **S. Parade, Subcontract PI, Co-Investigator**), 9/21/16-11/30/23 (NCE).
9. Rhode Island Neuroscience Consortium, New Frontiers Award, *Early Adversity and Cellular Aging in Mother-Infant Dyads: Mitochondria, Telomeres, and Mental Health*. (**S. Parade, Co-Principal Investigator**), 5/1/18-4/30/19.
10. NICHD, R01 HD095837, *Longitudinal Examination of DNA Methylation in Maltreated Children*. (**S. Parade, Principal Investigator**). 9/1/18-8/31/24.
11. Rhode Island Foundation, Behavioral Health Fund, *Enhanced Training and Support: Fostering the Caregivers in RI's Child Welfare System*. (**S. Parade, Lead Evaluator**). 6/1/19-5/31/22.
12. CDC, R01 CE003103, *Embedding Mental Health Consultation Within Prenatal Home Visiting to Prevent Child Maltreatment and Violence Exposure*. (**S. Parade, Principal Investigator**). 9/30/19-9/29/24.
13. Thrasher Early Career Research Award. *How and for Whom Does Adversity Lead to Childhood Obesity: A Mediated Moderation Analysis*. (L. Huffhines, PI, **S. Parade, Primary Mentor**). 1/1/20-12/31/22.

14. NICHD, T32 HD101392, *Research Training in Childhood Stress, Trauma, and Resilience*. (L. Stroud & A. Tyrka, Co-Directors, **S. Parade, Associate Director**). 5/01/20-4/30/25.
15. NICHD, F32 HD100020, *Emotional and Physiological Regulation Linking Child Maltreatment to Health Risk*. (L. Huffhines, PI, **S. Parade, Primary Mentor**). 6/28/20-6/27/22.
16. Hassenfeld Child Health Innovation Institute, GFT640211, *Child Healthy Experiences, Emotions, and Responses*. (E. Jelalian, PI, **S. Parade, Subcontract PI, Co-Investigator**), 6/1/20-11/30/24.
17. NIGMS, P20 GM139767, *COBRE for Stress, Trauma, and Resilience (STAR)*. (L. Stroud, PI, **S. Parade, Director Community Collaborative Core**). 9/15/21 – 7/31/26.
18. NIGMS, P20 GM139767 5639, *Childhood Maltreatment, Repetitive Negative Thinking, and Mental Health in Adolescence: A 12-Year Longitudinal Study*. (C. Vergara-Lopez, PI, **S. Parade, Primar Mentor**). 9/15.21 – 7/31/24.
19. Carol Peterson Clinical and Research Grant, E. P. Bradley Hospital, *Evaluation of Bradley Hospital's Children's Safequest Program: Augmentation with a Parent Psychoeducational Psychotherapy Group*. (A. Walters, PI, **S. Parade, Co-Investigator**). 1/1/22-12/31/24.
20. NICHD, K23 HD107243, *Enhancing Early Care and Education Through Reflective Supervision to Promote Adaptive Emotion Regulation in Young Children*. (L. Huffhines, PI, **S. Parade, Primary Mentor**). 4/1/22-2/28/27.
21. NHLBI, UG3 HL163508, *Healthy Hearts/ Corazones Saludables: Partnership to promote cardiovascular health in Hispanic and non-Hispanic mothers and children in US home visiting programs*. (**S. Parade, S. Phelan, & R. Wing, MPIs**). 5/5/22-4/30/24.
22. NICHD, R01 HD092456, *Improving Preschool Outcomes by Addressing Maternal Depression in Head Start*. (M. Silverstein & E. Feinberg, MPIs, **S. Parade, Subcontract PI, Co-Investigator**). 6/1/23 – 12/31/27.
23. NHLBI, K01 HL169495, *Development and Implementation of a Digital Sleep Intervention for Preschoolers in Foster Care*. (D. Rojo-Wissar, PI, **S. Parade, Primary Mentor**). 9/1/23-8/31/28.

UNIVERSITY TEACHING ROLES

Teaching Assistant, Lifespan Development in the Human Environment, The University of North Carolina at Greensboro (2007)

Co-Instructor, Families and Close Relationships, The University of North Carolina at Greensboro (2008)

Invited Lecturer, Core Internship Seminar Series (Program Evaluation Overview),
Brown Medical School (2010 – 2015)

Invited Lecturer, Child Internship Seminar Series (Family Risk Overview), Brown Medical
School (2012 - 2015)

Mentor, Summer Undergraduate Teaching and Research Award, Brown University (2013, 2016)

Invited Lecturer, T32 Research Ethics Seminar Series (Minors in Research), Brown Medical
School (2014 - present)

Early Childhood Postdoctoral Fellow Supervisor, Brown Medical School (2014 – present)

Clinical Outcomes Postdoctoral Fellow Supervisor, Brown Medical School (2014 – present)

Faculty Sponsor, Undergraduate Independent Study, Brown University (2014, 2015, 2016, 2017)

Grant Reviewer, Postdoctoral Fellow Child Grant Writing Seminar Series, Brown Medical
School (2015 – present)

NIMH Child Mental Health T32 Postdoctoral Fellow Supervisor, Brown Medical School (2015-
present)

Early Childhood Resident Supervisor, Brown Medical School (2016 – present)

Faculty Sponsor, Undergraduate Research at Brown Travel Grant (2017)

Grant Reviewer, Child Internship Seminar Series, Brown Medical School (2017 – present)

Invited Lecturer, Important Topics in Child and Adolescent Psychiatry: Trauma and PTSD,
Brown Medical School (2020-2022).

NICHD Childhood Stress, Trauma, and Resilience T32 Postdoctoral Fellow Supervisor, Brown
Medical School (2020-present)

Invited Lecturer, *Reproductive and Perinatal Epidemiology: Epidemiology of Early Childhood
Toxic Stress*, Brown School of Public Health (2022-2023).