

# Camelia E. Hostinar, Ph.D.

## CURRICULUM VITAE

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Department of Psychology  
University of California, Davis  
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### EMPLOYMENT HISTORY

2022 - present: Associate Professor, Psychology Department, University of California-Davis  
2016 - 2022: Assistant Professor, Psychology Department, University of California-Davis

### EDUCATION

2013 - 2016 Postdoctoral Scholar, Northwestern University Institute for Policy Research  
Advisor: Prof. Gregory E. Miller  
2008 - 2013 Ph.D., University of Minnesota, Institute of Child Development  
Developmental Psychology Major, Neuroscience Minor  
Advisor: Prof. Megan R. Gunnar; Co-advisor: Prof. Dante Cicchetti  
Dissertation: "The Impact of Social Support and Early Life Stress on Stress Reactivity in Children and Adolescents"  
2010 M.A., Child Psychology, University of Minnesota, Institute of Child Development  
2004 - 2008 B.S., Psychology, Summa cum Laude, Honors College, Towson University  
2003 - 2004 "Alexandru Ioan Cuza" University, Iasi, Romania

### HONORS AND AWARDS

2023 Academic Senate Distinguished Undergraduate Teaching Award, UC Davis  
2022 Boyd McCandless Award, American Psychological Association (Division 7)  
2022 UC Davis College of Letters and Science Award for Distinguished Teaching  
2020 Early Career Outstanding Paper Award, American Psychological Association  
Division 7 (*American Psychologist*)  
2020 Distinguished Teaching Award, UC Davis Psychology Department  
2019 Early Career Contributions Award, Society for Research in Child Development  
2015 Association for Psychological Science "Rising Star" Award  
2015 Outstanding Dissertation Award, Society for Research in Child Development  
2014 Best Dissertation in Social and Behavioral Sciences (Univ. of Minnesota)  
2013 Society for Research in Child Development Travel Award  
2012 Hauge Fellowship for Academic Achievement (Univ. of Minnesota)  
2011 University of Minnesota Graduate School Fellowship  
2011 National Academy of Sciences Sackler Colloquium Travel Award  
2010 Eva O. Miller Graduate School Fellowship  
2008-2010 University of Minnesota Graduate School Fellowship  
2008 Valedictorian, Towson University Liberal Arts College  
2004-2008 Dean's List (Towson University)

## RESEARCH GRANT FUNDING

- 2021 – 2026 *“Understanding the Development of Social Disconnection in Youth”*  
NIH, NICHD: R01 HD104185-01A1  
Total costs: \$1,607,880  
Role: Principal Investigator
- 2021 – 2022 *“Predicting Adolescent Depression Using Machine Learning”*  
NIH, NIMH: R21 MH125346-01  
Total costs: \$397,626  
Role: Principal Investigator (MPI: Ilias Tagkopoulos)
- 2021 – 2022 *“Psychosocial Stress and Adaptation to the COVID-19 Pandemic in the Latinx Population”*  
NIH, NIA: U01AG060164-03S1 (Covid-19 Administrative Supplement)  
Total costs: \$384,408  
Role: Co-investigator (PIs: Angelina Sutin, Richard Robins)
- 2021 – 2026 *“Kappa Opioid and Oxytocin Interactions in Social Buffering and Separation”*  
NIH, NIMH: R01 MH125411-01  
Total costs: \$3,500,000  
Role: Co-investigator (PI: Karen Bales)
- 2020 – 2021 *“Does Biobehavioral Synchrony Promote Learning? Propelling the Science of Learning into the Next Decade”*  
Jacobs Foundation Young Scholars Award (#2019131700)  
Total costs: \$128,400  
Role: Principal Investigator (Co-PIs: Carolina de Weerth & Nora Raschle)
- 2020 – 2021 *“Parenting during the COVID-19 Pandemic: Implications for Parent and Child Mental Health and Well-being”*  
UC Davis Center for Healthcare Policy Award  
Total costs: \$17,761  
Role: Co-investigator (PI: Paul D. Hastings)
- 2018 – 2023 *“Investments, Life Events, and Health within and across Generations”*  
NIH, NICHD: NIH R01 HD093898-01  
Total costs: \$2,125,686  
Role: Co-investigator (PI: Marianne Bitler)
- 2018 – 2019 *“Stress Reactivity and Depression in Girls Transitioning from Childhood to Early Adolescence”*  
UC Consortium on Adolescence Research  
Total costs: \$ 9,479  
Role: Co-PI (PI: Amanda Guyer)
- 2018 – 2019 *“Hair Cortisol, Inflammation, and Internalizing Symptoms in Adolescence”*  
UC Consortium on Adolescence Research

Total costs: \$10,000  
Role: PI (Co-PI: Jennifer Silvers)

2014 – 2016 “*Self-regulation as a Health-Protective Factor in Adverse Socioeconomic Conditions*”  
NIH, NICHD: Postdoctoral Fellowship F32 HD078048  
Total costs: \$92,017  
Role: Principal Investigator (Sponsor: Prof. Gregory E. Miller)

### MAJOR SERVICE ROLES

2023 NIH Ad hoc Review Panel Member, NIDA Special Emphasis Panel “Accelerating the Pace of Drug Abuse Research Using Existing Data”, June 2023  
2023 NIH Ad hoc Review Panel Member, NIDA Special Emphasis Panel “Accelerating the Pace of Drug Abuse Research Using Existing Data”, March 2023  
2023 NIH Ad hoc Review Panel Member, MESH Study Section, February 2023  
2022 NIH Ad hoc Review Panel Member, Special Emphasis Panel for “Mechanistic studies on the impact of social inequality on the substance use trajectory” (NIDA), February 2022  
2021 NIH Ad hoc Study Section Member, Special Emphasis Panel on Social Connectedness (ZRG1 BBBP C (55)), June 2021  
2021 Judge, APA Division 7 Dissertation Grant Award Competition  
2021 Judge, APA Division 7 Outstanding Early Career Paper Competition  
2021 Judge, APA Division 7 Outstanding Dissertation Award  
2021 NIH Ad hoc Study Section Member, CPDD Study Section (February 2021)  
2019, 2021 Grant Reviewer, Israel-U.S. Binational Science Foundation  
2020 Grant Reviewer, Swiss National Science Foundation  
2019 Grant Reviewer, Natural Sciences and Engineering Research Council of Canada  
2019 External Peer Reviewer, Canada Research Chair Application  
2018, 2019 Grant Reviewer, National Science Foundation  
2018 Judge, APA Division 7 Outstanding Early Career Paper Competition  
2018 –present Editorial Board Member for the journal *Development and Psychopathology*  
2018 Grant Reviewer, UK Medical Research Council  
2018 Conference Abstract Reviewer, Society for Research in Child Development  
2017 –present Executive Committee Member, UC Davis Center for Poverty Research  
2017 Conference Abstract Reviewer, Society for Research on Adolescence  
2016-2018 Early Career Representative for APA Division 7 (Developmental)

### PUBLICATIONS

\*Trainees under Dr. Hostinar’s mentorship

65. Alen\*, N. V., **Hostinar, C. E.**, & Luthar, S. S. (2024). Promoting resilience of children, parents, and families in the service of health promotion. *APA Handbook of Pediatric Psychology, Developmental Behavioral Pediatrics, and Developmental Science*.

64. Hang\*, S., Jost\*, G. M., Guyer, A. E., Robins, R. W., Hastings, P.D., & **Hostinar, C. E.** (2023). Understanding the development of chronic loneliness in youth. *Child Development Perspectives, 18*(1), 44–53. <https://doi.org/10.1111/cdep.12496>

63. Vacaru, S. V., Parenteau\*, A. M., Yi\*, S., Silvers, J. A., **Hostinar, C. E.**, & de Weerth, C. (2023). Adolescents' Hair Cortisol Concentrations during COVID-19: Evidence from Two Longitudinal Studies in The Netherlands and the United States. *Developmental Psychobiology*, 65(8), e22438. doi: 10.1002/dev.22438.
62. Jost\*, G. M., Hang\*, S., Shaikh, U., & **Hostinar, C. E.** (2023). Understanding adolescent stress during the COVID-19 pandemic. *Current Opinion in Psychology*, 52, 101646. <https://doi.org/10.1016/j.copsyc.2023.101646>
61. **Hostinar, C. E.**, Swartz, J. R., Alen\*, N. V., Guyer, A. E., & Hastings, P. D. (2023). The role of stress phenotypes in understanding childhood adversity as a transdiagnostic risk factor for psychopathology. *Journal of Psychopathology and Clinical Science*, 32(3), 277–286. <https://doi.org/10.1037/abn0000619>
60. Parenteau\*, A. M., Alen\*, N. V., La\*, J., Luck\*, A. T., Teichrow\*, D. J., Daang, E. M., Nissen\*, A. T., Deer\*, L. K., & **Hostinar, C. E.** (2023). Associations of air pollution with peripheral inflammation and cardiac autonomic physiology in children. *New Directions for Child and Adolescent Development (181-182)*, 125-154. doi: 10.1002/cad.20474 (See [Media Mentions](#), including news outlets and television)
59. Parenteau\*, A. M., Boyer, C. J., Campos, L. J., Carranza, A. F., Deer\*, L. K., Hartman, D. T., Bidwell, J. T., & **Hostinar, C. E.** (2023). A review of mental health disparities during COVID-19: Evidence, mechanisms, and policy recommendations for promoting societal resilience. *Development and Psychopathology*, doi: 10.1017/S0954579422000499.
58. Fang, R., Zhang, R., Hosseini, E., Hang\*, S., Parenteau\*, A., Rafatirad, S., **Hostinar, C.**, Orooji, M., & Homayoun, H. (2022). Prevent over-fitting and redundancy in physiological signal analyses for stress detection. In *2022 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* IEEE. [Peer-reviewed conference paper]
57. Hosseini, E., Fang, R., Zhang, R., Parenteau\*, A., Hang\*, S., Rafatirad, S., **Hostinar, C.**, Orooji, M., & Homayoun, H. (2022). A Low-Cost EDA-based Stress Detection Using Machine Learning. In *2022 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* IEEE. [Peer-reviewed conference paper]
56. Fang, R., Zhang, R., Hosseini, E., Parenteau\*, A., Hang\*, S., Rafatirad, S., **Hostinar, C.**, Orooji, M., & Homayoun, H. (2022). Towards generalized ML model in automated physiological arousal computing: A transfer learning-based domain generalization approach. In *2022 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* IEEE. [Peer-reviewed conference paper]
55. Lawson, K. M., Barrett, B., Cerny, R. J., Enrici, K., Garcia-Cardenas, J., Gonzales, C., Hernandez, I., Iacobacci, C., Lin, T., Martinez Urieta, N., Moreno, P., Rivera, M., Teichrow, D., Vizcarra, A., **Hostinar, C. E.**, & Robins, R. W. (2022). The development of shyness from late childhood to adolescence: A longitudinal study of Mexican-origin youth. *Social Psychological and Personality Science*. Online ahead of print: <https://doi.org/10.1177/19485506211070674>
54. Swartz, J. R., Carranza, A. F., Knodt, A. R., Irwin, M. R., & **Hostinar, C. E.** (2022). Associations between peripheral inflammation and amygdala activity and connectivity in response to emotional faces in adolescents. *Brain, Behavior, and Immunity*, 105, 98-108. doi: 10.1016/j.bbi.2022.06.014
53. Alen\*, N. V., Shields, G. S., Nemer\*, A., D'Souza\*, I., Ohlgart\*, M., & **Hostinar, C. E.** (2022). A systematic review and meta-analysis of the association between parenting and child autonomic nervous system activity. *Neuroscience and Biobehavioral Reviews*, 139, 104734. doi: 10.1016/j.neubiorev.2022.104734
52. Alen\*, N. V., Deer\*, L. K., & **Hostinar, C. E.** (2022). Respiratory sinus arrhythmia as a resilience marker for children's health. *Psychosomatic Medicine*, 84(3), 374-382. doi:

10.1097/PSY.0000000000001057

51. Bidwell, J. T., **Hostinar, C. E.**, Higgins, M. K., Abshire, M. A., Cothran, F., Butts, B., Miller, A. H., Corwin, E., & Dunbar, S. B. (2021). Caregiver stress and patient symptom severity in heart failure family care dyads. *Psychoneuroendocrinology*, *133*, 105399. doi: 10.1016/j.psyneuen.2021.105399
50. Alen\*, N. V., Parenteau\*, A. M., Sloan, R. P., & **Hostinar, C. E.** (2021). Heart rate variability and circulating inflammatory markers in midlife. *Brain, Behavior, & Immunity – Health*, *15*, 100273. doi: 10.1016/j.bbih.2021.100273.
49. Deer\*, L. K., Shields\*, G. S., Alen\*, N. V., & **Hostinar, C. E.** (2021). Curvilinear associations between family income in early childhood and the cortisol awakening response in adolescence. *Psychoneuroendocrinology*, *129*, 105237. doi: 10.1016/j.psyneuen.2021.105237
48. Swartz, J. R., Carranza, A. F., Tully, L. M., Knodt, A. R., Jiang, J., Irwin, M. R., & **Hostinar, C. E.** (2021). Associations between peripheral inflammation and resting state functional connectivity in adolescents. *Brain, Behavior, and Immunity*, *95*, 96-105. doi: 10.1016/j.bbi.2021.02.018
47. Alen\*, N. V., Deer\*, L. K., Karimi\*, M., Feyzieva\*, E., Hastings, P. D., & **Hostinar, C. E.** (2021). Children’s altruism following acute stress: The role of autonomic nervous system activity and social support. *Developmental Science*, *24*(5), e13099. doi: 10.1111/desc.13099
46. Shields\*, G. S., Deer\*, L. K., Hastings, P. D., & **Hostinar, C. E.** (2021). Adiposity, inflammation, and working memory: Longitudinal evidence for a vicious cycle. *Brain, Behavior, and Immunity-Health*, *13*, 100202. <https://doi.org/10.1016/j.bbih.2021.100202>
45. Shields\*, G. S., **Hostinar, C. E.**, Vilgis, V., Forbes, E. E., Hipwell, A. E., Keenan, K., & Guyer, A. E. (2021). HPA axis activity in childhood predicts emotional memory effects and related neural circuitry in adolescent girls. *Journal of Cognitive Neuroscience*, *33*(5), 872–886. [https://doi.org/10.1162/jocn\\_a\\_01687](https://doi.org/10.1162/jocn_a_01687)
44. Perry, N. B., Johnson, A. E., **Hostinar, C. E.**, & Gunnar, M. R. (2021). Parental emotional support and social buffering in post-institutionalized and typically developing youth. *Developmental Psychobiology*. Early view: <https://doi.org/10.1002/dev.22067>
43. Alen\*, N. V., Deer\*, L. K., & **Hostinar, C. E.** (2020). Autonomic nervous system activity predicts increasing serum inflammatory cytokines in children. *Psychoneuroendocrinology*, *119*, 104745. <https://doi.org/10.1016/j.psyneuen.2020.104745>
42. Parenteau\*, A. M., Alen\*, N. V., Deer\*, L. K., Nissen\*, A. T., Luck\*, A. T. & **Hostinar, C. E.** (2020). Parenting matters: Parents can reduce or amplify children’s anxiety and cortisol responses to acute stress. *Development and Psychopathology*, *32*(5), 1799-1809. doi: 10.1017/S0954579420001285
41. Alen\*, V. N., **Hostinar, C. E.**, Mahrer, N. E., Martin, S. R., Guardino, C., Shalowitz, M. U., Ramey, S. L. & Dunkel Schetter, C. (2020). Prenatal maternal stress and child hair cortisol four years later: Evidence from a low-income sample. *Psychoneuroendocrinology*, *117*, 10470. <https://doi.org/10.1016/j.psyneuen.2020.104707>
40. Deer\*, L. K., Hastings, P. D., & **Hostinar, C. E.** (2020). The role of childhood executive function in explaining income disparities in long-term academic achievement. *Child Development*, *91*(5), e1046-e1063. <https://doi.org/10.1111/cdev.13383>
39. Alen\*, V. N., Sloan, R. P., Seeman, T. E. & **Hostinar, C. E.** (2020). Childhood parental warmth and heart rate variability in midlife: Implications for health. *Personal Relationships*, *27*(3), 506-525. <https://doi.org/10.1111/per.12329>
38. Wright, E. C., **Hostinar, C. E.**, & Trainor, B. C. (2020). Anxious to see you:

- Neuroendocrine mechanisms of social vigilance and anxiety during adolescence. *European Journal of Neuroscience*, 52(1), 2516-2529. <https://doi.org/10.1111/ejn.14628>
37. **Hostinar, C. E.** & Miller, G. E. (2019). Protective factors for youth confronting economic hardship: Current challenges and future avenues in resilience research. *American Psychologist*, 74 (6), 641-652. doi: 10.1037/amp0000520
  36. **Hostinar, C. E.**, & Cicchetti, D. (2019). Emotion dysregulation and internalizing spectrum disorders. In T. P. Beauchaine & S. E. Crowell (Eds.), *Oxford Handbook of Emotion Dysregulation*. doi: 10.1093/oxfordhb/9780190689285.013.18
  35. Johnson, A. E., Perry, N., **Hostinar, C. E.**, & Gunnar, M. R. (2019). Cognitive-affective strategies and cortisol stress reactivity in children and adolescents: Normative development and effects of early life stress. *Developmental Psychobiology*, 61 (7), 999-1013. <https://doi.org/10.1002/dev.21849>
  34. Dorn, L. D., **Hostinar, C. E.**, Susman, E. J., & Pervanidou, N. (2019). Conceptualizing puberty as a window of opportunity for improving health and wellbeing across the life span. *Journal of Research on Adolescence*, 29(1), 155-176. <https://doi.org/10.1111/jora.12431>
  33. Deer\*, L. K., Bernard, K., & **Hostinar, C. E.** (2019). The influence of maternal stress and child maltreatment on offspring. In L. Welling & T. Shackelford (Eds.), *Oxford Handbook on Evolutionary Psychology and Behavioral Endocrinology* (pp. 161-177). New York: Oxford University Press.
  32. Bernard, K., **Hostinar, C. E.**, & Dozier, M. (2019). Longitudinal associations between attachment quality in infancy, C-reactive protein in early childhood, and BMI in middle childhood: Preliminary evidence from a CPS-referred sample. *Attachment and Human Development*, 21(1), 5-22. doi: 10.1080/14616734.2018.1541513.
  31. Deer\*, L. K., Shields\*, G. S., Ivory, S. L., **Hostinar, C. E.**, & Telzer, E. H. (2018). Racial/ethnic disparities in cortisol diurnal patterns and affect in adolescence. *Development and Psychopathology*, 30(5), 1977–1993. doi: 10.1017/S0954579418001098
  30. **Hostinar, C. E.**, Nusslock, R., & Miller, G. E. (2018). Future directions in the study of early-life stress, physical and emotional health: Implications of the neuroimmune network hypothesis. *Journal of Clinical Child and Adolescent Psychology*, 47(1), 142-156. doi: 10.1080/15374416.2016.1266647
  29. **Hostinar, C. E.**, Ross, K. M., Chan, M., Chen, E., & Miller, G. E. (2017). Threat vigilance and socioeconomic disparities in metabolic health. *Development and Psychopathology*, 29(5), 1721-1733. doi: 10.1017/S0954579417001353.
  28. Boggero, I. A., **Hostinar, C. E.**, Haak, E., Murphy, M., Segerstrom, S. C. (2017). Psychological predictors of the cortisol awakening response: Meta-analysis, *p*-curve analysis, and evaluation of the evidential value in existing studies. *Biological Psychology*, 129, 207-230. doi: 10.1016/j.biopsycho.2017.08.058
  27. **Hostinar, C. E.**, Ross, K. M., Chen, E., & Miller, G. E. (2017). Early-life socioeconomic disadvantage and metabolic health disparities. *Psychosomatic Medicine*, 79(5), 514-523. doi: 10.1097/PSY.0000000000000455
  26. **Hostinar, C. E.**, Davidson, R. J., Graham, E. K., Mroczek, D. K., Lachman, M. E., Seeman, T. E., & Miller, G. E. (2017). Frontal brain asymmetry, childhood maltreatment, and low-grade inflammation at midlife. *Psychoneuroendocrinology*, 75, 152-163. doi: 10.1016/j.psyneuen.2016.10.026
  25. Burkholder, A. R., Koss, K. J., **Hostinar, C. E.**, Johnson, A. E., & Gunnar, M. R. (2016). Early life stress: Effects on the regulation of anxiety expression in children and adolescents. *Social Development*, 25(4), 777-793.

24. **Hostinar, C. E.**, Lachman, M. E., Mroczek, D., Seeman, T. E., & Miller, G. E. (2015). Additive roles of childhood adversity and recent stressors in explaining inflammation at midlife: Findings from the MIDUS study. *Developmental Psychology, 51*(11), 1630-1644.
23. **Hostinar, C. E.**, Johnson, A. E., & Gunnar, M. R. (2015). Early social deprivation and the social buffering of cortisol stress responses in late childhood: An experimental study. *Developmental Psychology, 51*(11), 1597-1608.
22. **Hostinar, C. E.** (2015). Recent developments in the study of social relationships, stress responses, and physical health. *Current Opinion in Psychology, 5*, 90-95.
21. Gunnar, M. R., **Hostinar, C. E.**, Sanchez, M. M., Tottenham, N., & Sullivan, M. R. (2015). Parental buffering of fear and stress neurobiology: Reviewing parallels across rodent, monkey, and human models. *Social Neuroscience, 10*(5), 474-478.
20. Gunnar, M. R., & **Hostinar, C. E.** (2015). The social buffering of the hypothalamic-pituitary-adrenocortical axis in humans: Developmental and experiential determinants. *Social Neuroscience, 10*(5), 479-488.
19. Doom, J. R., **Hostinar, C. E.**, VanZomeren-Dohm, A., & Gunnar, M. R. (2015). The roles of puberty and age in explaining the diminished effectiveness of parental buffering of HPA reactivity and recovery in adolescence. *Psychoneuroendocrinology, 59*, 102-111.
18. **Hostinar, C. E.**, Ross, K. M., Chen, E., & Miller, G. E. (2015). Modeling the association between lifecourse socioeconomic disadvantage and systemic inflammation in healthy adults: The role of self-control. *Health Psychology, 34*(6), 580-90.
17. **Hostinar, C. E.** & Gunnar, M. R. (2015). Social support can buffer against stress and shape brain activity. *American Journal of Bioethics –Neuroscience, 6*(3), 34-42.
16. Bernard, K., **Hostinar, C. E.**, & Dozier, M. (2015). Intervention effects on diurnal cortisol rhythms of CPS-referred infants persist into early childhood: Preschool follow-up results of a randomized clinical trial. *JAMA Pediatrics, 169*(2), 112-9.
15. **Hostinar, C. E.**, Johnson, A. E., & Gunnar, M. R. (2015). Parent support is less effective in buffering cortisol stress responses for adolescents compared to children. *Developmental Science, 18*(2), 281-297.
14. **Hostinar, C. E.**, McQuillan, M. T., Mirous, H. J., Grant, K. E., & Adam, E. K. (2014). Cortisol responses to a Group Public Speaking Task for Adolescents: Variations by age, gender, and race. *Psychoneuroendocrinology, 50*, 155-66.
13. Koss, K., **Hostinar, C. E.**, Donzella, B., & Gunnar, M. R. (2014). Social deprivation and the HPA axis in early development. *Psychoneuroendocrinology, 50*, 1-13.
12. **Hostinar, C. E.**, Cicchetti, D., & Rogosch, F. A. (2014). Oxytocin receptor gene polymorphism, perceived social support, and psychological symptoms in maltreated adolescents. *Development and Psychopathology, 26*(2), 465-77.
11. Carlson, E. A., **Hostinar, C. E.**, Mliner, S. B. & Gunnar, M. R. (2014). The emergence of attachment following early social deprivation. *Development and Psychopathology, 26*(2), 479-89.
10. Lawler, J. M., **Hostinar, C. E.**, & Gunnar, M. R. (2014). Disinhibited social approach in post-institutionalized children: Differentiating normal from atypical behavior. *Development and Psychopathology, 26*(2), 451-64.
9. **Hostinar, C. E.**, Sullivan, R. M., & Gunnar, M. R. (2014). Psychobiological mechanisms underlying the social buffering of the HPA axis: A review of animal models and human studies across development. *Psychological Bulletin, 140*(1), 256-282.
8. Lucas-Thompson, R. G., & **Hostinar, C. E.** (2013). Family income and appraisals of parental conflict as predictors of psychological adjustment and diurnal cortisol in emerging adulthood. *Journal of Family Psychology, 27*(5), 784-94.

7. **Hostinar, C. E.**, & Gunnar, M. R. (2013). The developmental effects of early life stress: A review of current theoretical frameworks. *Current Directions in Psychological Science*, 22(5), 400-406.
6. **Hostinar, C. E.**, & Gunnar, M. R. (2013). Future directions in the study of social relationships as regulators of the HPA axis across development. *Journal of Clinical Child & Adolescent Psychology*, 42(4), 564-75.
5. **Hostinar, C. E.** & Gunnar, M. R. (2013). The developmental psychobiology of stress and emotion in childhood. In I. B. Weiner, D. K. Freedheim, & R. M. Lerner (Eds.), *Handbook of Psychology* (2<sup>nd</sup> edition, pp. 121-141). Hoboken, NJ: Wiley.
4. **Hostinar, C. E.**, Stellern, S. A., Schaefer, C., Carlson, S. M., & Gunnar, M. R. (2012). Associations between early life adversity and executive function in children adopted internationally from orphanages. *Proceedings of the National Academy of Sciences USA*, 109(2), 17208-12.
3. Güler, E. O., **Hostinar C. E.**, Frenn, K. A., Nelson, C. A., Gunnar, M. R., & Thomas, K. M. (2012). Electrophysiological evidence of altered memory processing in children experiencing early deprivation. *Developmental Science*, 15(3), 345-58.
2. Osterholm, E. A., **Hostinar, C. E.**, & Gunnar, M. R. (2012). Alterations in stress responses of the hypothalamic-pituitary-adrenal axis in small-for-gestational-age infants. *Psychoneuroendocrinology*, 37(10), 1719-25.
1. Gunnar, M. R., Herrera, A., & **Hostinar, C. E.** (2009). Stress and early brain development. In R. E. Tremblay, R. G. Barr, R. D. Peters, & M. Boivin (Eds.), *Encyclopedia on Early Childhood Development* (pp. 1-8). Montreal, Quebec: Centre of Excellence for Early Childhood Development.

### CONFERENCE PRESENTATIONS

54. Hang, S., Zhou, A., and **Hostinar, C. E.** (2023, July 25-29). Speech quality, social class, and stress reactivity in children: can observers estimate a child's social class from speech samples? Poster presented at the International Society for Developmental Psychobiology 2023: 56th Annual Meeting, Utrecht, Netherlands.
53. Guan, J. Y., Yi, S. C., Parenteau, A. M., & **Hostinar, C. E.** (2023, March). *Attachment security and inflammatory markers in children*. Poster presented at the 2023 Annual Meeting of the American Psychosomatic Society in San Juan, Puerto Rico.
52. Hostinar, C. E. (2022). *Neurobiological mechanisms underlying the effects of attachment on development across species*. Symposium chair, symposium presented at the International Society for Developmental Psychobiology meeting in San Diego, November 9-11, 2022.
51. Yi, S. C., Parenteau, A. M., **Hostinar, C. E.** (2022, November). *Secure attachment is associated with a tend-and-befriend behavioral profile after acute stress in children*. In C. E. Hostinar (Chair), *Neurobiological mechanisms underlying the effects of attachment on development across species*. Symposium presented at the 2022 International Society for Developmental Psychology, San Diego, CA.
50. Parenteau, A. M., Yi, S. C., Fu, B., Alen, N. V., Deer, L. K., & **Hostinar, C. E.** (2022). *Elevated Hair Cortisol Concentrations in Youth During the Pandemic*. Poster presented at the 2022 Annual Meeting of the American Psychosomatic Society in Long Beach, California.
49. **Hostinar, C. E.** (2021). Discussant Presentation for the Symposium *The effect of family and*



- community stress on youth executive functioning and psychopathology*, Society for Research in Child Development Virtual Biennial Conference, April 2021 [online due to COVID].
48. Alen\*, N.V., Deer\*, L. K., Parenteau\*, A. M., & **Hostinar, C. E.** (2021). *High respiratory sinus arrhythmia: A physiological marker of resilience against health problems associated with low socioeconomic status*. Paper presented at the Society for Research in Child Development Virtual Biennial Conference, April 2021, online format.
  47. Mashash, M., **Hostinar, C. E.**, Deer\*, L. K., & Hastings, P. D. (2021). *Concurrent and transactional associations between obesity, inflammation, and depressive symptoms across adolescence: Moderation by sex*. Poster presented at the Society for Research in Child Development Virtual Biennial Conference, Online Format, April 7-9.
  46. Parenteau\*, A. M., Alen\*, N., Deer\*, L., Nissen\*, A., La\*, J., Luck\*, A., & **Hostinar, C. E.** (2021). *Air pollution and serum interleukin-6 in children*. Poster presented at the Society for Research in Child Development 2021 Virtual Biennial Meeting. \*Awarded strategic poster award.
  45. Parenteau\*, A. M., **Hostinar, C. E.**, Vacaru, S., Lusterms, H., Dimanova, P., de Weerth, C., & Raschle, M. (2021) *Does biobehavioral synchrony promote learning? A Systematic Review and Meta-analysis*. Paper presented at the Society for Research in Child Development 2021 Virtual Biennial Meeting.
  44. Swartz, J. R., Carranza, A. F., Tully, L. M., Knodt, A. R., Jiang, J., Irwin, M. R., & **Hostinar, C. E.** (2020, September). *Associations between peripheral inflammation and resting state functional connectivity in adolescents*. Poster presented at the Flux conference [online due to COVID].
  43. **Hostinar, C. E.**, Alen\*, N. V., & Deer\*, L. K. (2019, October). *Tend-and-befriend tendencies in children following acute stress: The role of respiratory sinus arrhythmia in altruism*. Paper presented at the International Society for Developmental Psychobiology meeting in Chicago, IL.
  42. **Hostinar, C. E.** (2019, March). *How does parenting become biologically embedded? Integrating insights from neuroimaging, immunology, and electrophysiology*. Symposium chair, symposium presented at the Society for Research in Child Development meeting in Baltimore, MD.
  41. Alen\*, N. V., & **Hostinar, C. E.** (2019, March). *Childhood parental warmth predicts heart rate variability in midlife: Implications for physical health outcomes*. Paper presented at the Society for Research in Child Development meeting in Baltimore, MD.
  40. Bernard, K., **Hostinar, C. E.**, & Dozier, M. (2019, March). *Longitudinal associations between attachment quality, C-Reactive Protein, and BMI: Preliminary evidence from a CPS-referred sample*. Paper presented at the Society for Research in Child Development meeting in Baltimore, MD.
  39. Mashash, M., **Hostinar, C. E.**, Deer\*, L. K., & Hastings, P. D. (2019, March). *Differential effects of type and timing of childhood adversity on inflammatory processes in adolescence*. Poster presented at the Society for Research in Child Development meeting in Baltimore, MD.
  38. Perry, N., Johnson, A. E., **Hostinar, C. E.**, & Gunnar, M. R. (2019, March). *Social buffering in post-institutionalized and typically developing youth: The role of maternal emotional support*. Poster presented at the Society for Research in Child Development meeting in Baltimore, MD.
  37. Deer\*, L. K., Shields\*, G. S., Ivory, S. L., **Hostinar, C. E.**, & Telzer, E. H. (2019, March).

- Does affect explain racial/ethnic differences in diurnal cortisol? A Daily Diary study.* Paper presented at the Society for Research in Child Development meeting in Baltimore, MD.
36. Alen\*, V. N., **Hostinar, C. E.**, Mahrer, N. E., Guardino, C., Shalowitz, M. U., Ramey, S. L. & Dunkel Schetter, C. (2019, March). *Maternal stress during pregnancy predicts child hair cortisol four years later.* Poster presented at the Society for Research in Child Development meeting in Baltimore, MD.
  35. **Hostinar, C. E.** (2018, August). *Psychological perspectives on the rise of socioeconomic inequality.* Symposium chair, symposium presented at the American Psychological Association Convention in San Francisco, CA.
  34. Deer\*, L. K., Hastings, P. D., & **Hostinar, C. E.** (2018, May). *Early-life socioeconomic status, self-regulation, and long-term academic outcomes.* Paper presented at the Association for Psychological Science convention in San Francisco, CA.
  33. Cartwright\*, A. E., Hastings, P. D., Deer\*, L. K., & **Hostinar, C. E.** (2018, May). *Socioeconomic status and differential participation in extracurricular activities across development.* Poster presented at the Association for Psychological Science convention in San Francisco, CA.
  32. Deer\*, L. K., Shields\*, G. S., Ivory, S. L., **Hostinar, C. E.**, & Telzer, E. H. (2018, May). *Racial/ethnic disparities in cortisol patterns and affect in adolescence.* Poster presented at the Association for Psychological Science convention in San Francisco, CA.
  31. **Hostinar, C. E.**, Ross, K. M., Chen, E., & Miller, G. E. (2017, April). *Social trust buffers against metabolic risk associated with childhood socioeconomic disadvantage.* Paper presented at the SRCD Biennial Meeting in Austin, TX.
  30. Gunnar, M. R., Koss, K., **Hostinar, C. E.**, Esposito, E., & Frenkel, T. (2017, April). *Early life stress and externalizing problems in post-institutionalized children and youth.* Paper presented at the SRCD Biennial Meeting in Austin, TX.
  29. Deer\*, L. K., Gunnar, M. R., & **Hostinar, C. E.** (2017, March). *The social buffering of the HPA axis in children and adolescents: The role of perceived support from close friends.* Paper presented at the American Psychosomatic Society Annual Meeting in Sevilla, Spain.
  28. Tavernier, R., **Hostinar, C. E.**, Heissel, J., Grant, K., & Adam, E. K. (2016, April). *Objective sleep hours and quality predict diurnal cortisol patterns and reactivity to a group social stress task.* Paper presented at the Society for Research on Adolescence meeting in Baltimore, MD.
  27. **Hostinar, C. E.**, Ross, K. M., Chen, E., & Miller, G. E. (2016, March). *Metabolic Syndrome symptoms are associated with childhood disadvantage.* Paper presented at the American Psychosomatic Society Annual Meeting in Denver, CO. "Newsworthy Abstract" released to the press by organizers.
  26. **Hostinar, C. E.**, Davidson, R. J., Seeman, T. E., Mroczek, D. K., Lachman, M. E., & Miller, G. E. (2015, October). *Frontal EEG asymmetry and childhood maltreatment history predict systemic inflammation in middle-aged adults.* Poster presented at the Society for Neuroscience conference in Chicago, IL.
  25. **Hostinar, C. E.**, & Miller, G. E. (2015, May). *Does spousal solidarity moderate the effects of adverse childhood experiences on inflammation at midlife?* Paper presented at the Association for Psychological Science Convention in New York City, NY.
  24. **Hostinar, C. E.**, & Miller, G. E. (2015, March). *Additive roles of childhood adversity and recent stressors in predicting inflammation at midlife: Findings from the MIDUS study.* Paper presented at the SRCD Biennial Meeting in Philadelphia, PA.
  23. **Hostinar, C. E.**, & Gunnar, M. R. (2015, March). *Developmental changes in the social*

- buffering of the HPA axis by caregivers in humans*. Paper presented at the SRCD Biennial Meeting in Philadelphia, PA.
22. Koss, K. J., **Hostinar, C. E.**, Donzella, B., & Gunnar, M. R. (2015, March). *Cortisol reactivity in post-institutionalized children following adoption*. Paper presented at the SRCD Biennial Meeting in Philadelphia, PA.
  21. Doom, J. R., VanZomeren-Dohm, A., **Hostinar, C. E.** & Gunnar, M. R. (2015, March). *Puberty, age, and depressive symptoms contribute to stress reactivity and sensitivity to parental support in adolescence*. Paper presented at the SRCD Biennial Meeting in Philadelphia, PA.
  20. Burkholder, A., **Hostinar, C. E.**, Johnson, A. E., Koss, K. J., & Gunnar, M. R. (2015, March). *Early life stress: Effects on emotion expression regulation in children and adolescents*. Poster presented at the SRCD Biennial Meeting in Philadelphia, PA.
  19. Boggero, I. A., **Hostinar, C. E.**, Miller, G. E., & Segerstrom, S. C (2015, March). Lower cortisol awakening response is associated with worse psychosocial functioning: Results from a p-curve study. Poster presented at the American Psychosomatic Society Annual Meeting in Savannah, GA.
  18. Gunnar, M. R., & **Hostinar, C. E.** (2014, November). *The social buffering of the HPA axis in humans: Developmental and experiential determinants*. Paper accepted for presentation at the Society for Social Neuroscience meeting in Washington, DC.
  17. McQuillan, M., **Hostinar, C. E.**, Mirous, H., Grant, K. & Adam, E. K. (2014, August). *Validation of the Trier Social Stress Test for Groups in a diverse sample of adolescents: Variations by age, gender, and race*. Poster presented at the biennial meeting for the International Society of Psychoneuroendocrinology, Montreal, Canada.
  16. **Hostinar, C. E.**, Ross, K. M., Chen, E., & Miller, G. E. (2014, March). *Childhood family environment, self-control, and abdominal adiposity as explanatory factors for the association between socioeconomic adversity and systemic inflammation*. Paper presented at the American Psychosomatic Society Annual Meeting in San Francisco, CA. "Newsworthy Abstract" released to the press by organizers.
  15. Johnson, A. E., & **Hostinar, C. E.** (2014, March). *Emotion regulation and early adversity: Associations with cortisol stress reactivity before and after the pubertal transition*. Poster presented at the Society for Research on Adolescence Meeting in Austin, TX.
  14. **Hostinar, C. E.**, Johnson, A. E., & Gunnar, M. R. (2013, April). *Parent support dampens cortisol stress reactivity in children but not adolescents*. Paper presented at the SRCD Biennial Meeting in Seattle, WA.
  13. Gunnar, M. R., & **Hostinar, C. E.** (2013, April). *An overview of current theoretical frameworks on stress and disease*. Paper presented at the SRCD Biennial Meeting in Seattle, WA.
  12. Johnson, A. E., **Hostinar, C. E.**, & Gunnar, M. R. (2013, April). *Early life stress and psychosocial stress reactivity before and after the pubertal transition*. Paper presented at the SRCD Biennial Meeting in Seattle, WA.
  11. Pintar, A. I., **Hostinar, C. E.**, Frenn, K. A., Donzella, B., & Gunnar, M. R. (2013, April). *EEG power and behavioral measures of self-regulation in post-institutionalized children*. Poster accepted for presentation at the SRCD Biennial Meeting in Seattle, WA.
  10. **Hostinar, C. E.**, Osterholm, E. A., & Gunnar, M. R. (2012, June). *Alterations in cortisol stress responses in small for gestational age neonates*. Poster presented at the International Conference on Infant Studies, Minneapolis, MN.
  9. **Hostinar, C. E.**, Doom, J. R., Mliner, S. B., & Gunnar, M. R. (2012, June). *The effects of*

- early life stress and parenting characteristics on stress physiology in early childhood.* Poster presented at the International Conference on Infant Studies, Minneapolis, MN.
8. Lawler, J. M., **Hostinar, C. E.**, & Gunnar, M. R. (2012, June). *Parenting quality among international adoption families.* Paper presented at the International Conference on Infant Studies, Minneapolis, MN.
  7. **Hostinar, C. E.**, Mliner, S. B., & Gunnar, M. R. (2011, November). *Parenting dimensions impacting HPA axis function during recovery from early life stress.* Paper presented at the International Society for Developmental Psychobiology, Washington, DC.
  6. Lawler, J. M., **Hostinar, C. E.**, & Gunnar, M. R. (2011, November). *HPA functioning soon after adoption predicts continuing indiscriminate friendliness behavior in internationally adopted children.* Paper presented at the International Society for Developmental Psychobiology, Washington, DC.
  5. Gunnar, M. R., & **Hostinar, C. E.** (2011, December). *The developmental effects of early life stress: Adaptations or impairments?* Paper presented at the Sackler Colloquium of the National Academy of Sciences, Irvine, CA.
  4. **Hostinar, C. E.**, Frenn, K. A., McQuillan, M. T., Schaefer, C., Carlson, S. M., & Gunnar, M. R. (2011, March). *Executive function deficits in post-institutionalized children one year after adoption.* Poster presented at the Society for Research in Child Development Biennial Meeting, Montreal, Canada.
  3. **Hostinar, C. E.**, Mliner, S. B., & Gunnar, M. R. (2010, March). *The emergence of secure attachment and indiscriminate friendliness in post-institutionalized adopted children.* Poster presented at the International Conference on Infant Studies, Baltimore, MD.
  2. **Hostinar, C. E.**, & Johnson, C. T. (2010, March). *The relationship between depression, personality, and the cortisol response to psychological stress.* Poster presented at the Eastern Psychological Association Annual Conference, New York, NY.
  1. **Hostinar, C. E.**, & Brand, B. L. (2007, April). *Trauma prevalence among college students.* Poster presented at the Johns Hopkins Bloomberg School of Public Health Conference for the Dissemination of Research on Addiction, Infectious Disease and Public Health, Baltimore, MD.

### INVITED ACADEMIC TALKS

- 2022 “Stress and Social Relationships across Development” (University of Georgia, Human Development & Psychology, April 12)
- 2022 “Stress and Social Relationships across Development” (University of Michigan, Center for Social Epidemiology and Population Health, January 12)
- 2021 “Childhood adversity as a transdiagnostic risk factor for psychopathology: The role of stress phenotypes” (UCLA, Developmental Forum)
- 2020 “Economic Hardship and Psychobiological Development” (UC Consortium on Adolescence Research Meeting)
- 2019 “Stress and Social Relationships” (University of California –Merced, Department of Psychology)
- 2017 “Implications of the Neuroimmune Network Hypothesis for Positive Adolescent Development” (UC Consortium on Adolescence Research Meeting)
- 2017 “Social Buffering of Stress: Implications for Development and Health” (UCLA Psychology Department)
- 2016 “Social Buffering of Stress as a Mechanism of Resilience” (UC Consortium on Health, UCLA Arrowhead Conference Center)

- 2016 “The Social Buffering of Stress Responses: Developmental and Experiential Determinants” (University of California –Merced, Department of Psychology)
- 2014 “Early-life Stress Effects on Factors Affecting Decision-Making in Children and Adolescents” (University of Edinburgh, United Kingdom; with Megan R. Gunnar)
- 2013 “Social Relationships as Stress Regulators across Development” (University of California, Riverside)
- 2009 “The Impact of Institutional Deprivation on Continuous Recognition Memory: An Electrophysiological Investigation” (University of Minnesota, Institute of Child Development Colloquium)

### **MEDIA MENTIONS, PUBLIC TALKS, & POLICY BRIEFS**

- 2022 Air pollution Article (doi: 10.1002/cad.20474) Covered by [The Hill](#), [Science Daily](#), [KRON4](#) (TV interview), [Prag News](#), [Earth.com](#), [Peoples Dispatch](#), [News9live](#), [UC Davis News](#).
- 2022 [Policy brief](#), “Reduce Inequality to Bolster Societal Resilience: Lessons From the COVID-19 Pandemic”
- 2020 Interview by CNN: <https://www.cnn.com/2020/04/16/us/teens-coronavirus-coping-wellness-trnd/index.html>
- 2020 Invited talk to [Young Presidents Organization](#), an organization of Chief Executive Officers (“Stress and Social Relationships”, May 30, 2020)
- 2020 [Policy Brief](#), “Boosting Executive Function May Help Close Income-Based Achievement Gap“
- 2019 [Policy Brief](#), “Resilience Factors Improve Health Prospects for Disadvantaged Children”
- 2019 [Making Waves Academy](#) (High School), AP Psychology Lectures “Stress, Self-Regulation and Supportive Relationships”
- 2018 Research on parents as social buffers mentioned in [Washington Post article](#)
- 2017 Invited talk to the California Children's Environmental Health Program, California Environmental Protection Agency (“Allostatic Load, Early Development and Lifelong Impacts”, April 26, 2017)
- 2017 Invited talk to the Yolo County Office of Education (“Early-life Stress and Decision Making”, February 22, 2017)

### **JOURNAL PEER REVIEWS**

*American Psychologist; Behavior Research Methods; Biological Psychiatry; Biological Psychology; Brain, Behavior, and Immunity; British Journal of Psychiatry; Child Development; Child Development Perspectives; Child Maltreatment; Current Directions in Psychological Science; Development and Psychopathology; Developmental Psychobiology; Developmental Psychology; Developmental Science; Emotion; Infant and Child Development; International Journal of Behavioral Development; JAMA Pediatrics; Journal of Abnormal Child Psychology; Journal of Child Psychology and Psychiatry; Journal of Developmental and Behavioral Pediatrics; Journal of Family Psychology; Journal of Nervous and Mental Disease; Journal of Research on Adolescence; Neuropsychopharmacology; Physiology and Behavior; PLOS One; Proceedings of the National Academy of Sciences; Psychological Science; Psychoneuroendocrinology; Scientific Reports; Stress.*

## **PROFESSIONAL SOCIETIES**

American Psychological Association (Division 7)

Society for Research in Child Development

Association for Psychological Science

International Society for Developmental Psychobiology