

HB3 Papers

March 2026

1. **Rinne**, G.R., Dunkel Schetter, C., Jackman, S., Cole, S.W. (In press). Developmental origins of immune function: Maternal prenatal depressive symptoms are associated with infant immune cell gene expression. *Brain, Behavior, and Immunity*.
2. van Kessel, B., Rinne, G., Okun, M., Dunkel Schetter, C., & Ross, K. M. (2026). Diurnal cortisol trajectories from mid-pregnancy to one year after birth. *Psychoneuroendocrinology*, 2025,107664, ISSN 0306-4530, <https://doi.org/10.1016/j.psyneuen.2025.107664>.
3. Somers, J. A., **Rinne**, G. R., Barclay, M. E., Dunkel Schetter, C., & Lee, S. S. (2025). Affect synchrony and emotion coregulation are separable processes: Evaluation of relational stress and mother-infant synchrony. *Journal of Family Psychology*, 39(4), 454–464. <https://doi.org/10.1037/fam0001310>
4. Okun, M. L., Segerstrom, S., Jackman, S., Ross, K., Dunkel Schetter, C., & Coussons Read, M. (2025). Variability in perinatal sleep quality is associated with an atypical cortisol awakening response and increased mood symptoms. *Psychoneuroendocrinology*, 172, Article 107248. <https://doi.org/10.1016/j.psyneuen.2024.107248>
5. **Rinne**, G.R., Guardino, C.M., Soriano, M., & Dunkel Schetter, C. (2024). Chronic stress and hair cortisol concentration in mothers: A two-study investigation. *Stress and Health*, e3493. <https://doi.org/10.1002/smi.3493>
6. Almeida, I. F., **Rinne**, G. R., Coussons-Read, M., & Dunkel Schetter, C. (2024). Placental corticotrophin-releasing hormone trajectories in pregnancy: Associations with postpartum depressive symptoms. *Psychoneuroendocrinology*, 164, 107030. <https://doi.org/10.1016/j.psyneuen.2024.107030> PMID: 38537413 PMCID: PMC11373738
7. Mancuso, R. A., Ross, K. M., Accortt, E., Coussons-Read, M., Okun, M. L., Irwin, J., Carroll, J., Hobel, C. J., & Dunkel Schetter, C. (2024). Prenatal mood and anxiety disorders and associated cytokine changes. *Journal of Affective Disorders*, 347, 635–644. <https://doi.org/10.1016/j.jad.2023.12.014>
8. Lozowchuk, A., Carroll, J. E., Hobel, C., Coussons-Read, M., Dunkel Schetter, C., & Ross, K. M. (2023). Partner relationship quality and IL-6:IL-10 trajectories from pregnancy to a year after-birth. *Brain, Behavior, and Immunity*, 114, 407–413. <https://doi.org/10.1016/j.bbi.2023.09.007>
9. **Rinne**, G. R., **Somers**, J. A., Ramos, I. F., Ross, K. M., Coussons-Read, M., Dunkel Schetter, C. (2022). Increases in maternal depressive symptoms during pregnancy and infant cortisol reactivity: Mediation by placental corticotropin-releasing hormone. *Development and Psychopathology*, 34(5), 1-14. <https://doi.org/10.1017/s0954579422000621>

10. **Ramos, I. F.**, Ross, K. M., **Rinne, G. R.**, **Somers, J. A.**, Mancuso, R. A., Hobel, C.J., Coussons-Read, M., & Dunkel Schetter, C. (2022). Pregnancy anxiety, placental corticotropin-releasing hormone and length of gestation. *Biological Psychology*, *172*, Article 108376, 1-14. <https://doi.org/10.1016/j.biopsycho.2022.108376>
11. Dunkel Schetter, C., Rahal, D., **Ponting, C.**, Julian, M., Ramos, I., Hobel, C. J., & Coussons-Read, M. (2022). Anxiety in pregnancy and length of gestation: Findings from the healthy babies before birth study. *Health Psychology*, *41*(12), 894–903. <https://doi.org/10.1037/hea0001210>
12. Barclay, M. E., **Rinne, G. R.**, **Somers, J. A.**, Hobel, C. Coussons-Read, M., Lee, S. S., & Dunkel Schetter, C. (2022) Maternal early life adversity and infant stress regulation: Intergenerational associations and meditation by maternal prenatal mental health. Special issue in *Research in Child and Adolescent Psychopathology* <https://doi.org/10.1007/s10802-022-01006-z>
13. Galley, J.D., Mashburn-Warren, L., Blalock, L.C., Lauber, C.L, Carroll, J.E., Ross, K.M., Hobel, C., Coussons-Read, M., Dunkel Schetter, C., Gur, T.L. (2023). Maternal anxiety, depression, and stress affects offspring gut microbiome diversity and bifidobacterial abundances. *Brain, Behavior and Immunity*, *107*, 253–264. <https://doi.org/10.1016/j.bbi.2022.10.005>
14. Ross, K. M., Mander, H., **Rinne, G.**, Okun, M., Hobel, C., Coussons-Read, M., & Dunkel Schetter, C. (2023). Pregnancy-specific anxiety and gestational length: The mediating role of diurnal cortisol indices. *Psychoneuroendocrinology*, *153*, 106114. <https://doi.org/10.1016/j.psyneuen.2023.106114>
15. **Accortt, E.**, Mirocha, J., Jackman, S., Coussons-Read, M., Dunkel Schetter, C, & Hobel, C. (2022). Association between diagnosed perinatal mood and anxiety disorders and adverse perinatal outcomes. *Journal of Maternal-Fetal & Neonatal Medicine*, *35*: 25, 9066-9070 <https://doi.org/10.1080/14767058.2021.2014450>
16. **Ross, K. M.**, Dunkel Schetter, C., Carroll, J.E., Mancuso, R. A., Breen, E.C., Hobel, C., & Coussons Read, M. (2022) Inflammatory and immune marker trajectories from pregnancy to one-year post birth. *Cytokine*, *149*, January, 155758
17. **Julian, M.**, Le, H., Coussons-Read, M., Hobel, C. J., & Dunkel Schetter, C. (2021 online) The moderating role of resilience resources in the association between stressful life events and symptoms of postpartum depression. *Journal of Affective Disorders*
18. **Carroll, J. E.**, Ross, K.M., Horvath, S., Okun, M., Hobel, C., Rentscher, K.E., Coussons-Read, M.E., & Dunkel Schetter, C. (2021 online). Postpartum sleep loss and accelerated epigenetic aging. *Sleep Health*. NOTE: Featured in early August 2021 in UCLA Press release and many national and international outlets.

19. **Ross, K. M., Carroll, J., Horvath, S., Hobel, C., Coussons-Read, M., & Dunkel Schetter, C.** (2020). Epigenetic age and pregnancy outcomes: GrimAge Acceleration is associated with shorter gestational length and lower birthweight. *Clinical Epigenetics, 12*, 1-11
<https://doi.org/10.1186/s13148-020-00909-2>
20. **Ross, K. M., Carroll, J., Horvath, S., Hobel, C. J., Coussons-Read, M. E., Dunkel Schetter, C.** (2020 online advance). Immune epigenetic age in pregnancy and one year after birth: Associations with weight change. *American Journal of Reproductive Immunology*, e13229.
<http://doi.org/10.1111/aji.13229>
21. **Irwin, J. L., Davis, E. P., Hobel, C., Coussons-Read, M., & Dunkel Schetter, C.** (2020 online advance). Maternal prenatal anxiety trajectories and infant developmental outcomes in one-year-old offspring. *Infant Behavior and Development, 60*, 101468.
<https://doi.org/10.1016/j.infbeh.2020.101468>
22. **Okun, M. L., Mancuso, R. A., Hobel, C., Dunkel Schetter, C., & Coussons-Read, M.** (2018). Poor sleep quality increases symptoms of depression and anxiety in postpartum women. *Journal of Behavioral Medicine, 41*(5), 703-710. <https://doi.org/10.1007/s10866-018-9950-7>