

Kyle W. Murdock
219 BIOBEHAVIORAL HEALTH BUILDING
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Professional Experience

- 2023-Present Associate Professor (with Tenure), Department of Biobehavioral Health,
The Pennsylvania State University
- 2017-2023 Assistant Professor (Tenure Track), Department of Biobehavioral Health,
The Pennsylvania State University
- 2015-2017 Postdoctoral Research Fellow, Psychoneuroimmunology, Rice University
Bioscience Research Collaborative

Education

- 2015 Ph.D., Clinical Psychology, Northern Illinois University
- 2015 Clinical Psychology Pre-Doctoral Internship, Oregon Health and Science
University
- 2012 M.A., Clinical Psychology, Northern Illinois University
- 2008 B.S., Psychology, University of Utah

Funded Projects

- 2022-2027 National Institutes of Health, P01 AG003949 (Buxton, Derby, Lipton)
Einstein Aging Study. - \$24,150,895 (direct costs)
P01 Project (Engeland, Graham-Engeland)
Depression, Inflammation, Biological Age, and Cognitive Function -
\$2,536,683
Role: Co-Investigator
- Spring 2021 College of Health and Human Development Teaching Release to Support
Grant Writing, The Pennsylvania State University.
- 2019-2020 Social Science Research Institute Faculty Fellows Program, The
Pennsylvania State University. *Real-time, Real-World mHealth
Measurement and Novel Biobehavioral Mechanisms associated with
Metabolic Syndrome* - \$16,000
Role: Principal Investigator
- 2018 Department of Biobehavioral Health Seed Grant Award, The
Pennsylvania State University. *Cognitive Performance and Inflammation:
Evaluating the role of Circulating and Stimulated Cytokines* - \$9,200
Role: Principal Investigator

- 2018 Department of Biobehavioral Health Seed Grant Award, The Pennsylvania State University. *Cognitive Profiles and Metabolic Syndrome: Biobehavioral Mechanisms Explaining Increased Risk and Progression* - \$3,400
Role: Principal Investigator
- 2017-2021 National Institutes of Health Loan Repayment Program, National Heart, Lung, & Blood Institute - \$128,296
Role: Principal Investigator
- 2016-2017 Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship, National Heart, Lung, & Blood Institute- (F32HL131353). *The Brain-Heart Connection: How Inhibition Relates to Cardiovascular Disease* - \$168,414
Role: Principal Investigator
- 2014-2015 Dissertation Completion Fellowship, Northern Illinois University - \$13,000
Role: Principal Investigator
- 2013-2014 Center for the Study of Family Violence and Sexual Assault Institutional Sponsorship. *Maternal and Paternal Contributions to Child Mental Health: An Actor-Partner Interdependence Framework* - \$3,000
Role: Principal Investigator

Publications

Google scholar profile: <https://scholar.google.com/citations?user=AmJ6-Z0AAAAJ>

+ = mentored student; * = corresponding author

50. Harrington, E. E., Gamaldo, A. A., Felt, J. M., Witzel, D. D., Sliwinski, M. J., **Murdock, K. W.**, Engeland, C. G., & Graham-Engeland, J. E. (in press). Racial differences in links between perceived discrimination, depressive symptoms, and ambulatory working memory. *Aging & Mental Health*. doi: 10.1080/13607863.2024.2351923
49. Rosinger, A. Y., John, J., & **Murdock, K. W.** (2024). Ad libitum dehydration is associated with poorer performance on a sustained attention task but not other measures of cognitive performance among middle-to-older aged community-dwelling adults: A short-term longitudinal study. *American Journal of Human Biology*. e24051. doi: 10.1002/ajhb.24051
48. Paoletti, J., Argueta, D. L., Wu-Chung, E. L., Chen, M. A., Brown, R. L., LeRoy, A. S., **Murdock, K. W.**, Thayer, J. F., & Fagundes, C. P. (2024). High heart rate variability buffers the effect of attachment avoidance on sleep. *Psychosomatic Medicine*, 86(4), 349-358. doi: 10.1097/PSY.0000000000001295
47. Majd, M., Chen, M. A., Chirinos, D. A., Brown, R. L., LeRoy, A. S., **Murdock, K. W.**, Wu-Chung, E. L., Thayer, J. F., & Fagundes, C. P. (2024). Trajectories of depressive symptoms early in the course of bereavement: Patterns, psychosocial factors and risk of prolonged grief. *Stress and Health*, 40(3), e3340. doi: 10.1002/smi.3340

46. †Davis, K. M., Rosinger, A. Y., & ***Murdock, K. W.** (2023). Ex vivo LPS-stimulated cytokine production is associated with hydration status in community-dwelling middle-to-older-aged adults. *European Journal of Nutrition*, 62, 1681-1690. doi: 10.1007/s00394-023-03105-z
45. Paoletti, J., Chen, M. A., Wu-Chung, E. L., Brown, R. L., LeRoy, A. S., **Murdock, K. W.**, Heijnen, C. J., Fagundes, C. P. (2023). Employment status and family income in psychological and physical health during bereavement. *Psychoneuroendocrinology*, 150, 10624. doi: 10.1016/j.psyneuen.2023.106024
44. †Davis, K. M., †Chu, L. E., & ***Murdock, K. W.** (2023). Burnout: Risk factors and associations. In C. P. Fagundes & G. Merlo (Eds.), *Lifestyle Psychiatry*. Taylor and Francis Group, LLC, Boca Raton, FL. doi: 10.1201/b22810-10
43. ***Murdock, K. W.**, Stowe, R. P., & Engeland, C. G. (2022). Diminished cellular immunity and executive cognitive functioning among middle aged and elderly adults. *Psychosomatic Medicine*, 84(6), 679-684. doi: 10.1097/PSY.0000000000001080
42. Lehrer, H. M., †Chu, L. E., Hall, M. H., & ***Murdock, K. W.** (2022). Self-reported sleep efficiency and duration are associated with bioenergetic function in peripheral blood mononuclear cells (PBMCs) of adults. *Mitochondrion*, 62, 122-127. doi: 10.1016/j.mito.2021.11.005
41. †Chu, L. E., LeRoy, A. S., Fagundes, C. P., & ***Murdock, K. W.** (2022). Psychoneuroimmunology and cancer: Mechanisms explaining incidence, progression, and quality of life difficulties. In B. I. Carr & J. Steel (Eds.), *Psychological Aspects of Cancer, Second Edition*. Springer, New York, New York.
40. Imami, L., Jiang, Y., **Murdock, K. W.**, & Zilioli, S. (2022). Links between socioeconomic status, daily depressive affect, diurnal cortisol patterns, and all-cause mortality. *Psychosomatic Medicine*, 84(1), 29-39. doi: 10.1097/PSY.0000000000001004
39. †Davis, K. M., Engeland, C. G., & ***Murdock, K. W.** (2020). Ex vivo LPS-stimulated cytokine production is associated with cortisol curves in response to acute psychosocial stress. *Psychoneuroendocrinology*, 121, 104863. doi: 10.1016/j.psyneuen.2020.104863
38. LeRoy, A. S., Petit, W. E., Brown, R. L., **Murdock, K. W.**, Stowe, R. P., Garcini, L. M., & Fagundes, C. P. (2020). Relationship satisfaction determines the association between Epstein barr virus (EBV) latency and somatic symptoms after the loss of a spouse. *Personal Relationships*, 27(3), 652-673. doi: 10.1111/pere.12336
37. †Guevara, J. E., & ***Murdock, K. W.** (2020). Executive functioning and rumination as they relate to stress-induced cortisol curves. *Journal of Behavioral Medicine*, 43, 829-838. doi: 10.1007/s10865-019-00119-z
36. Lopez, R. B., Brown, R. L., Wu, L., **Murdock, K. W.**, Denny, B. T., Heijnen, C. J., & Fagundes, C. P. (2020). How grief gets under the skin: Emotion suppression is associated with increased inflammation in recently bereaved spouses. *Psychosomatic Medicine*, 82(1), 2-9. doi: 10.1097/PSY.0000000000000755

35. LeRoy, A. S., Gabert, T., Garcini, L. M., **Murdock, K. W.**, Heijnen, C. J., & Fagundes, C. P. (2020). Attachment orientations and loss adjustment among bereaved spouses. *Psychoneuroendocrinology*, *112*, 104401. doi: 10.1016/j.psyneuen.2019.104401
34. Chen, M. A., Lewis, M. R., Chirinos, D. A., **Murdock, K. W.**, & Fagundes, C. P. (2020). Differential psychological reactions to grief: The role of childhood adversity for depression symptoms among bereaved and non-bereaved adults. *Death Studies*, *44*(12), 778-786. doi: 10.1080/07481187.2019.1614107
33. +Guevara, J. E., +Gilbert, S., ***Murdock, K. W.**, Stowe, R. P., & Fagundes, C. P. (2019). Sex differences in executive functioning and latent herpesvirus reactivation in bereaved and non-bereaved individuals. *Stress and Health*, *35*(4), 396-406. doi: 10.1002/smi.2867
32. Chirinos, D. A., Garcini, L. M., Seiler, A., **Murdock, K. W.**, Peek, M. K., Stowe, R. P., & Fagundes, C. P. (2019). Psychological and biological pathways linking perceived neighborhood characteristics and body mass index. *Annals of Behavioral Medicine*, *53*(9), 827-838. doi: 10.1093/abm/kay092
31. Garcini, L. M., Stowe, R. P., Chirinos, D. A., **Murdock, K. W.**, LeRoy, A. S., Chen, M., Zhang, J., & Fagundes, C. P. (2019). Church attendance and CMV herpesvirus latency among bereaved and non-bereaved adults. *Psychology of Religion and Spirituality*, *11*(3), 319-325. doi: 10.1037/rel0000222
30. +Guevara, J. E. & ***Murdock, K. W.** (2019). High social strain and physical health: Examining the roles of anxious arousal, body mass index, and inflammation. *Psychoneuroendocrinology*, *106*, 155-160. doi: 10.1016/j.psyneuen.2019.04.005
29. Seiler, A., **Murdock, K. W.**, Stowe, R. P., & Fagundes, C. P. (2019). Pain in older individuals and its association with latent Epstein-Barr virus reactivation. *Annals of Pain Medicine*, *2*(1), 1007.
28. Fagundes, C. P., Brown, R. L., Chen, M., **Murdock, K. W.**, Saucedo, L., LeRoy, A. S., Wu, L., Garcini, L. M., Shahane, A. D., Baameur, F., & Heijnen, C. J. (2019). Grief, depressive symptoms, and inflammation in the spousally bereaved. *Psychoneuroendocrinology*, *100*, 190-197. doi: 10.1016/j.psyneuen.2018.10.006
27. ***Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (2018). Inhibition is associated with metabolic syndrome and depression through inflammation. *Stress and Health*, *34*, 457-461. doi: 10.1002/smi.2808
26. Seiler, A., **Murdock, K. W.**, & Fagundes, C. P. (2018). Impaired mental health and low-grade inflammation among fatigued bereaved individuals. *Journal of Psychosomatic Research*, *112*, 40-46. doi: 10.1016/j.jpsychores.2018.06.010
25. Garcini, L. M., Chirinos, D. A., **Murdock, K. W.**, +LeRoy, A. S., Peek, M. K., Cutchin, M. P., & Fagundes, C. P. (2018). Pathways linking racial/ethnic discrimination and sleep among U.S.-born and foreign-born latinx. *Journal of Behavioral Medicine*, *41*(3), 364-373. doi: 10.1007/s10865-017-9907-2

24. ***Murdock, K. W.**, Zilioli, S., Ziauddin, K., Heijnen, C. J., & Fagundes, C. P. (2018). Attachment and telomere length: More evidence for psychobiological connections between close relationships, health, and aging. *Journal of Behavioral Medicine*, 41(3), 333-343. doi: 1007/s10865-017-9895-2
23. ***Murdock, K. W.**, Seiler, A., Chirinos, D. A., Garcini, L. M., Acebo, S. L., Cohen, S., & Fagundes, C. P. (2018). Low childhood subjective social status and telomere length in adulthood: The role of attachment orientations. *Developmental Psychobiology*, 60(3), 340-346. doi: 10.1002/dev.21601
22. Fagundes, C. P., **Murdock, K. W.**, +LeRoy, A. S., Baameur, F., Thayer, J. F., & Heijnen, C. J. (2018). Spousal bereavement is associated with more pronounced ex vivo cytokine production and lower heart rate variability: Mechanisms underlying cardiovascular risk? *Psychoneuroendocrinology*, 93, 65-71. doi: 10.1016/j.psyneuen.2018.04.010
21. ***Murdock, K. W.**, Pittman, L. D., & Fagundes, C. P. (2018). Maternal and paternal predictors of child depressive symptoms: An actor-partner interdependence framework. *Journal of Child and Family Studies*, 27(2), 559-568. doi: 10.1007/s10826-017-0910-6
20. ***Murdock, K. W.**, Stowe, R. P., Peek, M. K., +Lawrence, S. L., & Fagundes, C. P. (2018). An evaluation of perceived health risk and depressive symptoms prior to a disaster in predicting post-disaster inflammation. *Psychosomatic Medicine*, 80(1), 49-54. doi: 10.1097/PSY.0000000000000514
19. Fagundes, C. P., **Murdock, K. W.**, Chirinos, D. A., & McDonald, P. G. (2017). Biobehavioral pathways to cancer incidence, progression, and quality of life. *Current Directions in Psychological Science*, 26(6), 548-553. doi: 10.1177/0963721417720958
18. ***Murdock, K. W.**, & Fagundes, C. P. (2017). Attachment orientations, respiratory sinus arrhythmia, and stress are important for understanding the link between childhood socioeconomic status and adult self-reported health. *Annals of Behavioral Medicine*, 51(2), 189-198. doi: 10.1007/s12160-016-9842-4
17. ***Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (2017). Trait hostility and cortisol sensitivity following a stressor: The moderating role of stress-induced heart rate variability. *Psychoneuroendocrinology*, 75, 222-227. doi: 10.1016/j.psyneuen.2016.10.014
16. ***Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (2017). Early life socioeconomic status and adult health: The role of positive affect. *Stress and Health*, 33(3), 190-198. doi: 10.1002/smi.2696
15. +LeRoy, A. S., **Murdock, K. W.**, Jaremka, L. M., Loya, A., & Fagundes, C. P. (2017). Loneliness predicts self-reported cold symptoms after a viral challenge. *Health Psychology*, 36(5), 512-520. doi: 10.1037/hea0000467
14. Chirinos, D. A., **Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (2017). Depressive symptom profiles, cardio-metabolic risk and inflammation: Results from the MIDUS study. *Psychoneuroendocrinology*, 82, 17-25. doi: 10.1016/j.psyneuen.2017.04.011

13. **Murdock, K. W.**, Wang, X. S., Shi, Q., Cleeland, C. S., Fagundes, C. P., & Vernon, S. D. (2017). The utility of patient reported outcome measures among patients with myalgic encephalomyelitis/chronic fatigue syndrome. *Quality of Life Research, 26*(4), 913-921. doi: 10.1007/s11136-016-1406-3
12. Seiler, A., **Murdock, K. W.**, Garcini, L. C., Chirinos, D. A., Ramirez, J., Jackson, B., & Fagundes, C. P. (2017). Racial/ethnic disparities in breast cancer incidence, risk factors, health care utilization, and outcomes in the USA. *Breast Cancer Reports, 9*(2), 91-99. doi: 10.1007/s12609-017-0247-6
11. ***Murdock, K. W.**, Fagundes, C. P., Peek, M. K., *Vohra, V., & Stowe, R. P. (2016). The effect of self-reported health on latent herpesvirus reactivation and inflammation in an ethnically diverse sample. *Psychoneuroendocrinology, 72*, 113-118. doi: 10.1016/j.psyneuen.2016.06.014
10. ***Murdock, K. W.**, *LeRoy, A. S., Lacourt, T. E., Duke, D. C., Heijnen, C. J., & Fagundes, C. P. (2016). Executive functioning and diabetes: The role of anxious arousal and inflammation. *Psychoneuroendocrinology, 71*, 102-109. doi: 10.1016/j.psyneuen.2016.05.006
9. Stevens, E. N., Bardeen, J. R., & **Murdock, K. W.** (2015). Parenting behaviors and anxiety in young adults: Effortful control as a protective factor. *Journal of Individual Differences, 36*(3), 170-176. doi:10.1027/1614-0001/a000169
8. ***Murdock, K. W.**, Lovejoy, M. C., & Oddi, K. B. (2014). An actor-partner interdependence analysis of associations between affect and parenting behavior among couples. *Family Process, 53*, 120-130. doi: 10.1111/famp.12059
7. ***Murdock, K. W.**, Fagundes, C. P., & Lovejoy, M. C. (2014). Loss and the organization of affect. *Journal of Loss and Trauma, 19*, 213-228. doi: 10.1080/15325024.2013.790724
6. Oddi, K. B., **Murdock, K. W.**, Vadnais, S., Bridgett, D. J., & Gartstein, M. A. (2013). Maternal and infant temperament characteristics as contributors to parenting stress in the first year postpartum. *Infant and Child Development, 22*, 553-579. doi: 10.1002/icd.1813
5. ***Murdock, K. W.** (2013). An examination of parental self-efficacy among mothers and fathers. *Psychology of Men and Masculinity, 14*, 314-323. doi: 10.1037/a0027009
4. ***Murdock, K. W.**, Oddi, K. B., & Bridgett, D. J. (2013). Cognitive correlates of personality: Links between executive functioning and the Big Five personality traits. *Journal of Individual Differences, 34*, 97-104. doi: 10.1027/1614-0001/a000104
3. Bridgett, D. J., Oddi, K. B., Laake, L., **Murdock, K. W.**, & Naso, M. (2013). Integrating and differentiating aspects of self-regulation: Implications for the experience and expression of negative affectivity. *Emotion, 13*, 47-63. doi: 10.1037/a0029536
2. Bardeen, J. R., Stevens, E. N., **Murdock, K. W.**, & Lovejoy, M. C. (2013). A preliminary investigation of sex differences in associations between emotion regulation difficulties and higher-order cognitive abilities. *Personality and Individual Differences, 55*, 70-75. doi: 10.1016/j.paid.2013.03.003

1. Schindler, I., Fagundes, C.P., & **Murdock, K. W.** (2010). Predictors of romantic relationship formations: Attachment style, prior relationships, and dating goals. *Personal Relationships*, 17, 97-105. doi: 10.1111/j.1475-6811.2010.01255.x

Manuscripts Under Review

Wu-Chung, E. L., Brown, R. L., Suchting, R., Paoletti, J., Chen, M. A., LeRoy, A. S., **Murdock, K. W.**, Heijnen, C. J., & Fagundes, C. P. (submitted). Spousal bereavement enhances proinflammatory cytokine production to acute, psychological stress.

Invited Colloquia & Presentations

58. **Murdock, K. W.** (June, 2024). *Mental Health Oral Session*. Role: Chair. Presented at the Psychoneuroimmunology Research Society annual conference, Halifax, Nova Scotia, Canada.
57. +Adebayo, E. C., +El-Ashry, M., **Murdock, K. W.**, LeRoy, A. S., Brown, R. L., Wu-Chung, E. L., Chen, M. A., Heijnen, C. J., & Fagundes, C. P. (June, 2024). Sex Differences among bereaved males and females: How cognitive inhibition may relate to stimulated inflammatory responses. Presented at the Psychoneuroimmunology Research Society annual conference, Halifax, Nova Scotia, Canada.
56. **Murdock, K. W.** (July, 2022). Mitochondria and health: An emerging field that you can help build. Presented at the Behavioral Science Summit annual conference, Park City, UT.
55. Almes, H., Chu, L. E., & **Murdock, K. W.** (June, 2022). *Direct measurement of mitochondrial coupling efficiency is associated with affective distress and fatigue in a community sample of adults*. Presented at the Psychoneuroimmunology Research Society annual conference, Zurich, Switzerland.
54. Wu, E. L., Chen, M. A., Paoletti, J., Brown, R. L., LeRoy, A. S., **Murdock, K. W.**, Heijnen, C. J., & Fagundes, C. P. (June, 2022). *Inflammatory reactivity to social stress in bereaved and non-bereaved adults*. Presented at the Psychoneuroimmunology Research Society annual conference, Zurich, Switzerland.
53. Lehrer, H. M., Chu, L. E., Hall, M. H., & **Murdock, K.W.** (March, 2022). *Self-reported sleep efficiency and sleep duration are associated with mitochondrial bioenergetic function in peripheral blood mononuclear cells of adults*. To be presented at the annual meeting of the American Psychosomatic Society, Long Beach, CA.
52. **Murdock, K. W.** (February, 2022). *Mitochondrial respiratory chain functioning and individual differences in cognition and emotion*. Presented online for the Cognitive, Health, Affective Tea series, Rice University.
51. **Murdock, K. W.** (September, 2021). *Biological correlates of emotions: The role of mitochondrial functioning*. Presented online for the Clinical Psychology brownbag series, Northern Illinois University.

50. Lehrer, H. M., +Chu, L. E., Hall, M. H., & **Murdock, K. W.** (June, 2021). *Self-reported sleep efficiency and duration are associated with systemic bioenergetic function in community-dwelling adults*. Presented online at SLEEP 2021, the 35th Annual Meeting of the Associated Professional Sleep Societies.
49. +Chu, L. E. & **Murdock, K. W.** (June, 2021). *Mitochondrial inefficiency is associated with worse cognitive inhibition in healthy adults*. Presented online at the Psychoneuroimmunology Research Society annual conference.
48. +Chu, L. E., & **Murdock, K. W.** (March, 2021). *Loneliness is associated with bioenergetic health in community-dwelling adults*. Presented online for the Graduate Exhibition meeting for The Pennsylvania State University.
47. +Short, H., & **Murdock, K. W.** (April, 2020). *The association between herpesvirus reactivation and executive functioning among healthy middle-aged adults*. Presented online for the Society of Behavioral Medicine annual meeting.
46. **Murdock, K. W.** (March, 2020). *Frontiers of executive functioning in psychopathology research and treatment*. Role: Discussant. Presentation selected for the Anxiety and Depression Association of America annual meeting, which was cancelled due to COVID-19, San Antonio, TX.
45. **Murdock, K. W.** (July, 2019). *Cardiometabolic consequences of substance abuse in the first two years of college*. Presented at the Behavioral Science Summit annual meeting, Park City, UT.
44. LeRoy, A. S., Petit, W., Brown, R., **Murdock, K.**, Stowe, R. P., Garcini, L., & Fagundes, C. P. (June, 2019). *The more you love, the more you lose: Relationship satisfaction determines the effect of stress-related immune dysregulation on health after the loss of a spouse*. Presented at the Psychoneuroimmunology Research Society annual meeting, Berlin, Germany.
43. **Murdock, K. W.** (March, 2019). *The role of executive functioning and other cold cognitive domains in anxiety and depressive disorders*. Role: Discussant. Presented at the Anxiety and Depression Association of America annual meeting, Chicago, IL.
42. +Guevara, J. E., +Gilbert, S., **Murdock, K. W.** (March, 2019). *The effects of cellular energetics on cognitive abilities*. Presented at the American Psychosomatic Society annual meeting, Vancouver, BC.
41. +Gilbert, S. S., +Guevara, J. E., +Borrelli, A. M., & **Murdock, K. W.** (March, 2019). *Poor inhibition is inversely correlated with HbA1c in non-diabetic middle-aged adults*. Presented at the Society of Behavioral Medicine Annual Meeting, Washington D.C.
40. +Pathak, H. D., +Guevara, J. E., +Gilbert, S. S., Fagundes, C. P., & **Murdock, K. W.** (March, 2019). *Sex differences in executive functioning and latent herpesvirus reactivation in bereaved and non-bereaved individuals*. Presented at the Society of Behavioral Medicine Annual Meeting, Washington D.C.

39. **Murdock, K. W.** (September, 2018). *Individual differences associated with mental and physical health among the bereaved*. Presented at the Prevention Research Center Seminar Series, The Pennsylvania State University.
38. +Guevara, J. E., & **Murdock, K. W.** (June, 2018). *High social strain and physical health: Examining the roles of anxious arousal and IL-6*. Presented at the Psychoneuroimmunology Research Society Annual Meeting, Miami, FL.
37. Garcini, L. M., Stowe, R. P., Chirinos, D. A., **Murdock, K. W.**, LeRoy, A. S., Chen, M., & Fagundes, C. P. (March, 2018). *Church attendance and cellular immune function among bereaved and non-bereaved adults*. Presented at the American Psychosomatic Society Annual Meeting, Louisville, KY.
36. **Murdock, K. W.** (August, 2017). *Self-regulation and health: A biobehavioral approach*. Presented at The Methodology Research Center Brown Bag Seminar Series, The Pennsylvania State University.
35. Seiler, A. J., **Murdock, K. W.**, Garcini, L. M., Chirinos, D. A., Ramirez, J., Heijnen, C., Stowe, R. P., & Fagundes, C. P. (June, 2017). *Fatigue, impaired mental health, and immune dysregulation among bereaved individuals*. Presented at the Psychoneuroimmunology Research Society Annual Meeting, Galveston, TX.
34. Seiler, A. J., **Murdock, K. W.**, Chirinos, D. A., Garcini, L. M., Ramirez, J., Stowe, R. P., Heijnen, C. J., & Fagundes, C. P. (June, 2017). *Pain in the elderly and its association with Epstein-Barr virus reactivation*. Presented at the Psychoneuroimmunology Research Society Annual Meeting, Galveston, TX.
33. +Phung, W. V, +Lawrence, S. L., +Acebo, S. L., **Murdock, K. W.**, & Fagundes, C. P. (June, 2017). *Sleep and Metabolic Syndrome: The Role of Anxiety and Inflammation*. Presented at the Association for Psychological Science Annual Meeting, Boston, MA.
32. +Acebo, S. L., +Lawrence S. L., +Phung, W. V., **Murdock, K. W.**, & Fagundes, C. P. (June, 2017). *Low Early-Life SES and Poor Adult Health: The Role of Attachment Orientations*. Presented at the Association for Psychological Science Annual Meeting, Boston, MA.
31. **Murdock, K. W.** (March, 2017). *Self-regulation and health: A biobehavioral approach*. Presented at the Rice University Psychology Department CogTea Meeting, Houston, TX.
30. Seiler, A. J., Klaas, V. C., Troester, G., **Murdock, K. W.**, Chirinos, D. A., Garcini, L. M., & Fagundes, C. P. (April, 2017). *Evaluating heart-rate variability, salivary cortisol and physical activity as predictors of cancer-related fatigue recovery in breast-cancer survivors over a 12 week period by use of a smartphone application*. Presented at the American Association for Cancer Research Annual Meeting, Washington, D.C.
29. +Lugo, A., **Murdock, K. W.**, & Fagundes, C. P. (March, 2017). *Trait hostility and cortisol sensitivity following a stressor: The moderating role of stress-induced heart rate variability*. Presented at the Society of Behavioral Medicine Annual Meeting, San Diego, CA.

28. Seiler, A., Klaas, V. C., Troester, G., Chirinos, D. A., Garcini, L. M., **Murdock, K. W.**, & Fagundes, C. P. (March, 2017). *Tracking daily activity in fatigued breast cancer survivors: An exploratory study*. Presented at the American Psychosomatic Society Annual Meeting, Seville, Spain.
27. Chirinos, D. A., Garcini, L. M., Seiler, A., **Murdock, K. W.**, Peek, M. K., Stowe, R. P., & Fagundes, C. P. (March, 2017). *Associations among neighborhood factors, psychosocial distress, and obesity in an ethnically diverse sample*. Presented at the American Psychosomatic Society Annual Meeting, Seville, Spain.
26. +LeRoy, A. S., **Murdock, K. W.**, Jaremka, L., Loya, A., & Fagundes, C. P. (January, 2017). *Loneliness predicts self-reported cold symptoms after a viral challenge*. Presented at the Society for Personality and Social Psychologists Annual Meeting, San Antonio, Texas.
25. Fagundes, C. P., & **Murdock, K. W.** (January, 2017). *Contributions of Attachment Theory for Cellular Aging*. Presented at the Society for Personality and Social Psychologists Annual Meeting, San Antonio, TX.
24. Seiler, A., **Murdock, K. W.**, & Fagundes, C. P. (October, 2016). *Attachment orientations, respiratory sinus arrhythmia, and stress are important for understanding the link between childhood socioeconomic status and adult self-reported health*. Presented at the Mid-Year Meeting of the American Psychosomatic Society, New York, NY.
23. **Murdock, K. W.** (July, 2016). *Stress and the immune system: Implications for health*. Presented at the Weekley Family YMCA, Houston, TX.
22. **Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (April, 2016). *Executive functioning and respiratory sinus arrhythmia interact to predict depression and inflammation*. Presented at the Faculty Data Science Meetup at Rice University, Houston, TX.
21. +Tseng, A., **Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (April, 2016). *Attachment orientations and telomere length: Examining the role of self-reported stress*. Presented at the Annual Undergraduate Research Conference of Rice University, Houston, TX.
20. **Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (March, 2016). *Early life socioeconomic status and adult health: The role of positive and negative affect*. Presented at the Annual Meeting of the Society of Behavioral Medicine, Washington D.C.
19. **Murdock, K. W.**, +LeRoy, A. S., & Fagundes, C. P. (March, 2016). *Executive functioning and respiratory sinus arrhythmia interact to predict depression and inflammation*. Presented at the Annual Meeting of the American Psychosomatic Society, Denver, CO.
18. **Murdock, K. W.**, Wilson, A. C., & Holley, A. L. (June, 2015). *Observed parenting behaviors are associated with child pain fear and catastrophizing*. Presented at the International Symposium on Pediatric Pain, Seattle, WA.
17. +Lowy, K. A., **Murdock, K. W.**, & Stevens, E. N. (May, 2013). *Personality, parenting, temperament, and depression: A moderated-mediation model*. Presented at the Annual Meeting of the Midwestern Psychological Association, Chicago, IL.

16. **Murdock, K. W.**, Holmberg, N. J., & Lovejoy, M. C. (April, 2013). *An actor-partner analysis of maternal and paternal behavior: Links to child emotion regulation skills*. Presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
15. **Murdock, K. W.**, Holmberg, N. J., & Lovejoy, M. C. (April, 2013). *Unique contributions of maternal and paternal characteristics to child negative affect: An actor-partner framework*. Presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
14. **Murdock, K. W.**, Rodman, L., Lopez, N., Stewart, K., Gartstein, M. A., & Bridgett, D. J. (June, 2012). *Longitudinal associations between infant temperament, maternal stress, and reactive maternal parenting behavior*. Presented at the Biennial Meeting of the International Society for Infant Studies, Minneapolis, MN.
13. +Schubert, H., Yopst, V., Boddy, L., **Murdock, K. W.**, Lindner, H., Oddi, K. B., Laake, L., Hill-Sunderlund, A., & Bridgett, D. J. (June, 2012). *Infant positive and negative affect as contributors to maternal parenting self-efficacy*. Presented at the Biennial Meeting of the International Society for Infant Studies, Minneapolis, MN.
12. +Tran, M. M., Vadnais, S., Merrill, K., **Murdock, K. W.**, Oddi, K. B., Siler, K., Laake, L., Rutherford, H., Mayes, L. C., & Bridgett, D. J. (June, 2012). *The contribution of maternal executive functions to soothing behavior during interactions with a distressed, simulated infant*. Presented at the Biennial Meeting of the International Society for Infant Studies, Minneapolis, MN.
11. Lopez, N., Tran, M. M., Janiczek, D., Laake, L., **Murdock, K. W.**, Oddi, K. B., Vadnais, S., Merrill, K., Miller, R., & Bridgett, D. J. (June, 2012). *The indirect effect of maternal emotion regulation through marital adjustment on infant negative affect*. Presented at the Biennial Meeting of the International Society for Infant Studies, Minneapolis, MN.
10. Oddi, K. B., Boddy, L., Schubert, H., **Murdock, K. W.**, Gartstein, M. A., & Bridgett, D. J. (June, 2012). *Infant and maternal temperament characteristics as contributors to parenting stress in the first year postpartum*. Presented at the Biennial Meeting of the International Society for Infant Studies, Minneapolis, MN.
9. Flores, M. P., **Murdock, K. W.**, & Pittman, L. D. (June, 2012). *Paternal distress and child behavior problems among a low-income and ethnically diverse sample: A moderated-mediation model*. Presented at Head Start's National Research Conference, Washington D. C.
8. **Murdock, K. W.** & Lovejoy, M. C. (May, 2012). *When momma ain't happy, ain't nobody happy?: An actor-partner interdependence analysis of the association between maternal and paternal negative affect and harsh/negative parenting behavior*. Presented at the Annual Meeting of the Association for Psychological Science, Chicago, IL.
7. **Murdock, K. W.** & Lovejoy, M. C. (May, 2012). *The importance of paternal emotionality in families: An actor-partner interdependence analysis*. Presented at the Annual Meeting of the Association for Psychological Science, Chicago, IL.
6. **Murdock, K. W.** (April, 2012). *Towards a further understanding of parenting behavior*. Presented at the Child Brown Bag Colloquia, Northern Illinois University, DeKalb, IL.

5. **Murdock, K. W.**, Lovejoy, M. C., & Fagundes, C. P. (May, 2011). *Romantic relationships and the dimensionality of affect*. Presented at the Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
4. **Murdock, K. W.**, Valenta, E., & Lovejoy, M. C. (May, 2011). *Attachment orientations and the relationship between affect and emotion regulation difficulties*. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
3. Conlee, J., Buchmann, L., **Murdock, K. W.**, Hunt, J., & White, S. (May, 2010). *Analysis of distress indicators in an academic head and neck surgical oncology practice*. Presented at the 12th World Congress of Psycho-Oncology, Quebec City, Canada.
2. Allison, D. L., Glantz, M., Werner, T. L., Kirkegaard, S. L., **Murdock, K. W.** & Jensen, R. (May, 2009). *Intra-CSF trastuzumab in patients with neoplastic meningitis from breast cancer or primary brain tumors*. Presented at the American Society of Clinical Oncology Annual Meeting, Orlando, FL.
1. **Murdock, K.W.**, Schindler, I., Fagundes, C.P. & Diamond, L.M. (February, 2008). *Maybe it is me? How attachment style and depressive symptoms predict failed relationship initiation and commitment*. Presented at the Society for Personality and Social Psychologists Annual Meeting, Albuquerque, New NM.

Teaching Experience

- | | |
|-------------|---|
| 2024 - | Instructor (BBH 411W; 2 sections); Research and Applications in Biobehavioral Health, <i>The Pennsylvania State University</i> |
| 2020 - 2022 | Guest Lecture (BBH 597; 3 sections), Orientation to the Biobehavioral Health Graduate Program, <i>The Pennsylvania State University</i> |
| 2019 - 2024 | Instructor (BBH 416), Health Promotion II: Planning, Implementation, & Evaluation (6 sections; 49 to 55 students per section), <i>The Pennsylvania State University</i> <ul style="list-style-type: none">• Average rating for overall instructor effectiveness is 6.80 (median = 7) on a scale ranging from 1 (lowest rating) to 7 (highest rating). |
| 2019 | Guest Lecture (PSU 14), First-Year Seminar in Health and Human Development (2 sections), <i>The Pennsylvania State University</i> |
| 2018- | Instructor (BBH 311), Interdisciplinary Integration in Biobehavioral Health (8 sections; 50 to 105 students per section), <i>The Pennsylvania State University</i> <ul style="list-style-type: none">• Average rating for overall instructor effectiveness is 6.70 (median = 7) on a scale ranging from 1 (lowest rating) to 7 (highest rating). |
| 2018-2019 | Guest Lecture (BBH 432), Biobehavioral Aspects of Stress (4 sections), <i>The Pennsylvania State University</i> |

- 2017 Guest Lecture (BBH 502), Interpersonal Relationships and Health, *The Pennsylvania State University*
- 2017 Guest Lecture, Stress and Psychopathology, *Rice University*
- 2016 Guest Lecture, Stress and Disease, *Rice University*
- 2016 Guest Lecture, Biobehavioral Mechanisms Underlying Cancer Disparities, *The University of Texas MD Anderson Cancer Center*
- Teaching evaluation ratings were an average of 3.89 on a scale ranging from 0 (strongly disagree that the presenter was effective) to 4 (strongly agree that the presenter was effective).
- 2016 Guest Lecture, Biobehavioral Mechanisms Underlying Cancer Disparities, *University of Houston*
- 2014 Guest Lecture, Psychology of Learning, *Northern Illinois University*
- 2012-2013 Instructor, Behavioral Disturbances in Children (PSYC 315; 4 sections with 50 students), *Northern Illinois University*
- Average teaching evaluation ratings for instructor effectiveness were between 1.18 and 1.39 on a scale ranging from 1 (excellent) to 5 (poor) across four sections of the course.
- 2012 Guest Lecture, Behavior Modification, *Northern Illinois University*
- 2007 Teaching Assistant, Psychology of Love, *University of Utah*

Grant Reviews

- 2022 Ad-Hoc Reviewer, Biobehavioral Medicine Study Section, National Institutes of Health (NIH).
- 2022-Present Ad-Hoc Reviewer, Program in Perception, Action, and Cognition, National Science Foundation (NSF).

Editorial Activities

Associate Editor:

Frontiers in Public Health (2024)
Frontiers in Pediatrics (2021)

Ad-hoc reviewer:

Annals of Behavioral Medicine
Attachment and Health
Attachment and Human Development
Biological Psychology
British Medical Journal Open
Brain, Behavior, and Immunity
Brain, Behavior, and Immunity – Health

Child & Family Social Work
Death Studies
European Journal Pain
Health Psychology
Journal of Applied Research in Memory and Cognition
Journal of Family Psychology
Journal of Pediatric Psychology
Journal of Research in Personality
Quality of Life Research
Journal of Social and Personal Relationships
Pediatric Diabetes
PLOS ONE
Psychological Assessment
Psychoneuroendocrinology
Psychophysiology
Psychosomatic Medicine
The Clinical Journal of Pain
Scientific Reports

University Service

2023-2024 Diversity, Equity, Inclusion, and Belongingness Committee Co-Chair, Department of Biobehavioral Health, The Pennsylvania State University

2021 Reviewer, Penn State College of Medicine, Institutional Mock Review of Grants (MoRe) for pre-submission NIH proposals

2020- Graduate Program Committee Member, Department of Biobehavioral Health, The Pennsylvania State University

2019-2022 Search Committee (Caring and Compassion) – New Faculty, Department of Biobehavioral Health, The Pennsylvania State University

2018-2019 Colloquium Committee Co-Chair, Department of Biobehavioral Health, The Pennsylvania State University

2018-2019 Graduation Reception Committee Member, Department of Biobehavioral Health, The Pennsylvania State University

2017-2018 Research Committee Member, Department of Biobehavioral Health, The Pennsylvania State University

Dissertation Committee Chair

2022 Davis, Kristin. *An examination of changes in diet quality, markers of immune function, metabolic syndrome components, and depressive symptoms across the first semester in college.* The Pennsylvania State University, Department of Biobehavioral Health

Dissertation Committee Member

- 2021 Zainal, Hani. *A randomized controlled trial of a 14-Day mindfulness ecological momentary intervention (EMI) for Generalized Anxiety Disorder (GAD)*. The Pennsylvania State University, Department of Psychology.
- 2019 Ulupinar, Doğukan. *The effect of a collegiate integrated primary and behavioral healthcare program on recovery curves among students with severe mental health symptoms*. The Pennsylvania State University, Department of Educational Psychology, Counseling, and Special Education.
- 2019 Majd, Marzieh. *Depressive symptomatology and inflammatory correlates*. The Pennsylvania State University, Department of Biobehavioral Health.

Comprehensive Exam Committee Chair

- 2020 Davis, Kristin; The Pennsylvania State University, Department of Biobehavioral Health.

Comprehensive Exam Committee Member

- 2019 Ulupinar, Doğukan; The Pennsylvania State University, Department of Educational Psychology, Counseling, and Special Education.
- 2018 Zainal, Hani; The Pennsylvania State University, Department of Psychology.

Qualifying Exam Committee Chair

- 2021 Chu, Lauren; The Pennsylvania State University, Department of Biobehavioral Health

Qualifying Exam Committee Member

- 2022 Lipitz, Sarah; The Pennsylvania State University, Department of Biobehavioral Health
- 2019 DeMeo, Natasha; The Pennsylvania State University, Department of Biobehavioral Health.

First-Year Graduate Student Review Committee Member

- 2024 Cardoso, Josue; The Pennsylvania State University, Department of Biobehavioral Health.
- 2024 Haag, Bethany; The Pennsylvania State University, Department of Biobehavioral Health.

2021 Chu, Lauren; The Pennsylvania State University, Department of Biobehavioral Health.

Undergraduate Research Honors Project Supervision

2020-2021 Jaquette, Nicole. *Does childhood adversity influence cortisol response to a social stressor?: Evaluating participant sex as a moderator.* Pennsylvania State University, Department of Biobehavioral Health Honors Senior Thesis Project.

2019-2020 Dialectos, Jocelyn. *Early life SES and adult cognitive performance: Parenting behavior and inflammation are important.* Pennsylvania State University, Department of Biobehavioral Health Honors Senior Thesis Project.

Clinical Experience

2014-2015 Clinical Health Psychology Intern, Oregon Health and Science University, Portland, OR

2013-2014 Graduate Clinician, Kreider Services, Inc., Dixon, IL

2013 Graduate Clinician, Susan Myket, Ph.D. and Associates, Naperville, IL

2010-2013 Graduate Clinician, Psychological Services Center, Northern Illinois University, DeKalb, IL