

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

+ = 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*.
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. (in press). High heart rate variability buffers the effect of attachment avoidance on sleep. *Psychosomatic Medicine*.
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. (in press). Trajectories of depressive symptoms early in the course of bereavement: Patterns, psychosocial factors and risk of prolonged grief. *Stress and Health*, 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: 00.1016/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

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., Kirkegarrrd, 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; 1 section); Research and Applications in Biobehavioral Health, *The Pennsylvania State University*
- 2020 - 2022 Guest Lecture (BBH 597; 3 sections), Orientation to the Biobehavioral Health Graduate Program, *The Pennsylvania State University*
- 2019 - 2024 Instructor (BBH 416), Health Promotion II: Planning, Implementation, & Evaluation (6 sections; 49 to 55 students per section), *The Pennsylvania State University*
- 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), *The Pennsylvania State University*
- 2018-2023 Instructor (BBH 311), Interdisciplinary Integration in Biobehavioral Health (7 sections; 50 to 105 students per section), *The Pennsylvania State University*
- 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), *The Pennsylvania State University*
- 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 for: *Frontiers in Pediatrics*

Ad-hoc reviewer for: *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; 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-Present 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
- 2020-2023 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 Member, 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

Graduate Lab Alumni

Kristen Davis, PhD; Postdoctoral Research Fellow- Wayne 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.

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