

Kyle W. Murdock
219 BIOBEHAVIORAL HEALTH BUILDING
UNIVERSITY PARK, PA 16802
PHONE: 814-863-0200 • E-MAIL: kyle.murdock@psu.edu

Professional Experience

- 2017-Present 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

- 2017-2019 National Institutes of Health Loan Repayment Program, National Heart,
Lung, & Blood Institute-\$69,707
- 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
- 2014-2015 Dissertation Completion Fellowship, *Northern Illinois University*- \$13,000
- 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

Pending Support

Principal Investigator, *Cognitive abilities and metabolic syndrome:
Biobehavioral mechanisms explaining increased risk and progression.*
NHLBI/NIH, R01 9/01/2018 – 8/31/2023 40% effort
Status: Submitted, February 2018, Pending Review

Peer-Reviewed Publications

* = mentored undergraduate student; + = mentored graduate student

1. **Murdock, K. W.**, Seiler, A., Chirinos, D. A., Garcini, L. M., Acebo, S. L., Cohen, S., & Fagundes, C. P. (in press). Low childhood subjective social status and telomere length in adulthood: The role of attachment orientations. *Developmental Psychobiology*.
2. **Murdock, K. W.**, Zilioli, S., Ziauddin, K., Heijnen, C. J., & Fagundes, C. P. (in press). Attachment and telomere length: More evidence for psychobiological connections between close relationships, health, and aging. *Journal of Behavioral Medicine*.
3. Garcini, L. M., Chirinos, D. A., **Murdock, K. W.**, +LeRoy, A. S., Peek, M. K., Cutchin, M. P., & Fagundes, C. P. (in press). Pathways linking racial/ethnic discrimination and sleep among U.S.-born and foreign-born latinx. *Journal of Behavioral Medicine*.
4. **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
5. **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
6. 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
7. **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
8. **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
9. **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
10. +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

11. 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
12. **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
13. 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
14. **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
15. **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
16. 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
17. **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
18. **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
19. 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
20. **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
21. **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

22. 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
23. 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
24. 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

Other Publications

Murdock, K. W. (2012). Identifying the missing pieces in the study of families. *Observer, 25 (10)*, 36 – 37.
<http://www.psychologicalscience.org/index.php/publications/observer/2012/december-12/identifying-the-missing-pieces-in-the-study-of-families.html>

Manuscripts Under Review

Murdock, K. W., +LeRoy, A. S., & Fagundes, C. P. (invited revision). Inhibition is associated with metabolic syndrome and depression through inflammation. *Stress and Health*.

Fagundes, C. P., **Murdock, K. W.**, LeRoy, A., Baameur, F., Thayer, J. F., & Heijnen, C. P. (invited revision). Spousal bereavement is associated with more pronounced monocyte-derived ex vivo cytokine production and lower heart rate variability: Mechanisms underlying cardiovascular risk?

Murdock, K. W., Seiler, A. J., Chirinos, D. A., Dantzer, R., & Fagundes, C. P. (under review). Cancer related treatment decision making pitfalls: A review and recommendations for improved patient outcomes.

Fagundes, C. P., **Murdock, K. W.**, *Lewis, M. R., +LeRoy, A. S., & Uchino, B. N. (under review). Contributions of attachment theory for understanding how early life stress “gets under the skin” to impact immune dysregulation.

Lewis, M., Chirinos, D. A., **Murdock, K. W.**, & Fagundes, C. P. (under review). Differential psychological reactions to grief: The role of childhood adversity for depressive symptoms among bereaved and non-bereaved adults.

Seiler, A., **Murdock, K. W.**, & Fagundes, C. P. (under review). Impaired mental health and low-grade inflammation among fatigued bereaved individuals.

Seiler, A., **Murdock, K. W.**, Stowe, R. P., & Fagundes, C. P. (under review). Pain in the elderly and its association with latent Epstein-Barr virus reactivation

Garcini, L. M., Stowe, R. P., Chirinos, D. A., **Murdock, K. W.**, *LeRoy, A. S., Chen, M., Zhang, J., & Fagundes, C. P. (under review). Church attendance and cellular immune function among bereaved and non-bereaved adults.

Honors & Professional Memberships

2015-Present Member of the American Psychosomatic Society
2014-2015 Member of the International Association for the Study of Pain
2012-Present Member of the Association for Psychological Science
2011-2014 Member of the Midwestern Psychological Association
2011-2015 Member of the Society for Research in Child Development
2009-Present Member of the American Psychological Association
2008-2009 Member of the Society for Personality and Social Psychology
2007-2008 *University of Utah* Psychology Department Scholarship
2007-Present Golden Key International Honor Society, Lifetime Member
2006-Present Psi Chi, *University of Utah* Chapter, Lifetime Member
2005-2006 Member of the National Deans List

Invited Colloquia & Presentations

1. **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
2. 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.
3. 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.
4. *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.
5. *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.
6. **Murdock, K. W.** (March, 2017). *Self-regulation and health: A biobehavioral approach*. Presented at the Rice University Psychology Department CogTea Meeting, Houston, TX

7. 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.
8. *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.
9. 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.
10. 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.
11. +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.
12. 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, Texas.
13. 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, New York.
14. **Murdock, K. W.** (July, 2016). *Stress and the immune system: Implications for health*. Presented at the Weekley Family YMCA, Houston, Texas.
15. **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, Texas
16. *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, Texas

17. **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.
18. **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.
19. **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, Washington.
20. *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, Illinois.
21. **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, Washington.
22. **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, Washington.
23. **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, Minnesota.
24. *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, Minnesota.
25. *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, Minnesota.

26. 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, Minnesota.
27. 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, Minnesota.
28. 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.
29. **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, Illinois
30. **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, Illinois.
31. **Murdock, K. W.** (April, 2012). *Towards a further understanding of parenting behavior*. Presented at the Child Brown Bag Colloquia, Northern Illinois University, DeKalb, Illinois.
32. **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, Illinois.
33. **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, Illinois.
34. 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.
35. Allison, D. L., Glantz, M., Werner, T. L., Kirkegarrd, 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, Florida.

36. **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 Mexico.

Teaching Experience

- 2018 Instructor, Interdisciplinary Research in Biobehavioral Health, *The Pennsylvania State University*
- 2017 Guest Lecturer, Interpersonal Relationships and Health, *The Pennsylvania State University*
- 2017 Guest Lecturer, Stress and Psychopathology, *Rice University*
- 2016 Guest Lecturer, Stress and Disease, *Rice University*
- 2016 Guest Lecturer, 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 from 0 (strongly disagree that the presenter was effective) to 4 (strongly agree that the presenter was effective).
- 2016 Guest Lecturer, Biobehavioral Mechanisms Underlying Cancer Disparities, *University of Houston*
- 2014 Guest Lecturer, Psychology of Learning, *Northern Illinois University*
- 2012-2013 Instructor, Behavioral Disturbances in Children, *Northern Illinois University*
- Teaching evaluation ratings ranged from 1.18 to 1.39 on a scale from 1 (Excellent) to 5 (poor; department average for tenured and tenure track faculty = 1.6) across four sections of the course.
- 2012 Guest Lecturer, Behavior Modification, *Northern Illinois University*
- 2007 Teaching Assistant, Psychology of Love, *University of Utah*

Editorial Activities

Ad-hoc reviewer for: Annals of Behavioral Medicine; Biological Psychology; British Medical Journal Open; Brain, Behavior, and Immunity; 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; Journal of Social and Personal Relationships; Pediatric Diabetes; PLOS ONE; Psychological Assessment; Psychoneuroendocrinology; The Clinical Journal of Pain

University Service

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

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