

## Annelise Madison

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Curriculum Vitae  
December 2023

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### EDUCATION & TRAINING

Ph.D. Clinical Psychology (Health Track), Interdisciplinary Specialization in Biomedical, Clinical, and Translational Science, The Ohio State University, 2024 (expected)

Dissertation: *Social Stress, Inflammatory Reactivity, and Depressive Symptoms: An Integrated Dissertation Featuring Three Empirical Studies*;  
Defended 05-24-2023

Committee: Janice Kiecolt-Glaser, Charles Emery, Michael Vasey

2023 – 2024 Clinical Psychology Internship (Behavioral Medicine), VA Boston Healthcare System with appointments as Clinical Fellow in Psychiatry, Harvard Medical School and Teaching Fellow in Department of Psychiatry, Boston University Chobanian and Avedisian School of Medicine

M.A. Clinical Psychology (Health Track), The Ohio State University, 2019

Post-Bac Psychology, University of Nebraska, 2016

B.A. Political Science and History, Washington and Lee University, 2014

### HONORS & AWARDS

2023 Society for a Science of Clinical Psychology Outstanding Student Researcher

2023 LeVasseur Travel Award, OSU Department of Psychology, (\$1,000)

2023, 2022 Graduate Student Travel Award, OSU Department of Psychology (\$500)

2023 Toops Award for Research Creativity, OSU Department of Psychology (\$500)

2022 The Matrix Award for Excellence in Clinical Practice, OSU Department of Psychology (\$2,500)

2022 OSU Council of Graduate Studies, Ray Travel Award for Outstanding Service to the University (\$1,000)

2021, 2018 Institute for Behavioral Medicine Best Poster Award, OSU (\$500)

2021 Edward F. Hayes Oral Presentation Award Winner, 1<sup>st</sup> place, OSU (\$1,000)

2020 PSYCH 1100 Teaching Commendation, OSU Department of Psychology

2019 Edward F. Hayes Oral Presentation Award Winner, 2<sup>nd</sup> place, OSU (\$600)

2018 American Psychosomatic Society Trainee Scholar Award (\$1,000)

2018 Psychoneuroimmunology Research Society Trainee Scholar Award (\$1,000)

2014 Academic All-American Award, NCAA Division III Cross Country and Track

2010 National Merit Scholar

**GRANTS & FELLOWSHIPS**

- 2022 European Psychoneuroimmunology Network all-expenses-paid participation in “Lung-Brain Axis in Health and Disease” School, Giessen, Germany (\$2,000)
- 2020 Center for Clinical and Translational Sciences NIH TL1 Mentored Training Grant, The Ohio State University, Project, “Gut Reaction: Gut Microbiota Diversity and Intestinal Permeability Linking Emotional Reactivity to Depressive Symptoms” (\$90,000)
- 2018 Biostatistics Summer Institute Grant, University of Washington (\$1,500)
- 2017 Dean’s Distinguished University Fellowship, OSU (\$265,000)
- 2010 Johnson Leadership Scholarship, Washington & Lee University (\$320,000)

**PUBLICATIONS****Refereed Journal Articles**

43. Christian, L.M., Kiecolt-Glaser, J.K., Cole, S.W., **Madison, A.A.**, Burd, C.E., Rosko, A.E. (in press). Psychoneuroimmunology in multiple myeloma and autologous hematopoietic stem cell transplant: Opportunities for research among patients and caregivers. *Brain, Behavior & Immunity*. (2022 IF: 19.23).
42. **Madison, A.A.**, Burd, C.E., Andridge, R., Wilson, S.J., Bailey, M.T., Belury, M.A., Spakowicz, D.J., Malarkey, W.B., Kiecolt-Glaser, J.K. (in press). Gut Microbiota Richness and Diversity Track with T Cell Aging in Health Adults. *Journal of Gerontology: Series A*. (2022 IF: 5.1).
41. **Madison, A.A.**, Bailey, M.T. (in press). Stressed to the core: Inflammation and intestinal permeability link stress-related gut microbiota shifts to mental health outcomes. *Biological Psychiatry*. (2022 IF: 10.6).
40. Christian, L.M., Wilson, S.J., **Madison, A.A.**, Prakash, R.S., Burd, C.E., Rosko, A.E., & Kiecolt-Glaser, J.K., (in press). Understanding the health effects of caregiving stress: New directions in molecular aging. *Ageing Research Reviews*. (2022 IF: 13.1).
39. **Madison, A.A.**, Renna, M.E., Sheridan, J., Lustberg, M., Ramaswamy, B., Wesolowky, R., Williams, N.O., Sardesai, S.D., Noonan, A.M., Reinbolt, R.E., Stover, D.G., Charian, M.A., Malarkey, W.B., Peng, J., Andridge, R., Kiecolt-Glaser, J.K. (in press). Inflamed but not impulsive: Experimental manipulation of inflammation does not impact prepotent response inhibition in a non-clinical sample. *Journal of Affective Disorders*. (2022 IF: 6.53). <https://doi.org/10.1016/j.jad.2023.09.008>
38. **Madison, A.A.**, Andridge, R., Kantaras, A., Renna, M.E., Bennett, J., Alfano, C.M., Povoski, S.P., Agnese, D.M., Lustberg, M., Wesolowski, W., Carson, W.E., Williams, N.O., Reinbolt, R.E., Sardesai, S.D., Noonan, A.M., Stover, D.G., Charian, M.A., Malarkey, W.B., Kiecolt-Glaser, J.K. (2023). Depression, inflammation, and intestinal permeability: Associations with subjective and objective cognitive functioning throughout breast cancer survivorship. *Cancers*, 15(17), 4414. (2022 IF: 5.20). <https://doi.org/10.3390/cancers15174414>
37. **Madison, A.A.**, Wilson, S.J., ShROUT, M.R., Malarkey, W.B., Kiecolt-Glaser, J.K. (2023). Intimate partner violence and inflammaging: Conflict tactics predict inflammation only

- among middle-aged and older adults. *Psychosomatic Medicine*, 10-1097. (2022 IF: 3.86). <https://doi.org/10.1097/PSY.0000000000001179>
36. **Madison, A.A.**, Kiecolt-Glaser, J.K., Malarkey, W.B., Belury, M.A. (2023). Omega-3 fatty acids reduce depressive symptoms only among the socially stressed: A corollary of the Social Signal Transduction Theory of Depression. *Health Psychology*, 42(7), 448-459. (2022 IF: 4.20). <https://doi.org/10.1037/hea0001301>
  35. Renna, M.E., **Madison, A.A.**, Peng, J., Shrout, M.R., Lustberg, M., Ramaswamy, R., Wesolowski, R., VanDeusen, J.B., Williams, N.O., Sardesai, S.D., Noonan, A.M., Reinbolt, R.E., Stover, D.G., Cherian, M., Malarkey, W.B., Andridge, R., Kiecolt-Glaser, J.K. (2023). Worry and mindfulness differentially impact symptom burden following treatment among breast cancer survivors: Findings from a randomized crossover trial. *Annals of Behavioral Medicine*, kaa032. (2022 IF: 4.87). <https://doi.org/10.1093/abm/kaad032>
  34. **Madison, A.A.**, Filatov, M., Andridge, R., Haas, G., Povoski, S.P., Agnese, D.M., Lustberg, M., Reinbolt, R.E., Wesolowski, R., Williams, N.O., Malarkey, W.B., Kiecolt-Glaser, J.K. (2023). A troubled heart: Mood disorder history longitudinally predicts faster cardiopulmonary aging among breast cancer survivors. *Plos One*, 18(3), e0283849 (2022 IF: 3.70). <https://doi.org/10.1371/journal.pone.0283849>
  33. **Madison, A.A.**, Renna, M.E., Andridge, R.A., Peng, J., Shrout, M.R., Sheridan, J., Lustberg, M., Ramaswamy, B., Wesolowski, R., Williams, N.O., Noonan, A.M., Reinbolt, R.E., Stover, D.G., Cherian, M.A., Malarkey, W.B., Kiecolt-Glaser, J.K. (2023). Conflicts hurt: Social stress predicts elevated pain and sadness following mild inflammatory increases. *Pain*, 165(9), 1985-1994. (2022 IF: 7.93). <https://doi.org/10.1097/j.pain.0000000000002894>
  32. Shrout, M. R., Black, A. E., Wilson, S. J., Renna, M. E., **Madison, A. A.**, Kiecolt-Glaser, J. K., & Reis, H. T. (2023). How aging couples' emotional and physiological associations change across positive, supportive, and conflictual discussions: Roles of capitalization and responsive behaviors. *Biological Psychology*, 177, 108500. (2022 IF: 3.11). <https://doi.org/10.1016/j.biopsycho.2023.108500>
  31. \*Shrout, M. R., Renna, M. E., **Madison, A. A.**, Malarkey, W.B., & Kiecolt-Glaser, J.K. (2023). Marital negativity's festering wounds: The emotional, immunological, and relational toll of couples' negative communication patterns. *Psychoneuroendocrinology*, 149, 105989. (2022 IF: 4.69). \*Editor's Choice at *Psychoneuroendocrinology*. <https://doi.org/10.1016/j.psyneuen.2022.105989>
  30. Shrout, M.R., Wilson, S.J., Renna, M.E., **Madison, A.A.**, Kiecolt-Glaser, J.K. (2022). "We've got this:" Middle-aged and older couples' satisfying relationships and we-talk promote better physiological, relational, and emotional responses to conflict. *Psychosomatic Medicine*, 85(2), 154-164. (2022 IF: 3.86). <https://doi.org/10.1097/PSY.0000000000001162>
  29. **Madison, A.A.**, Way, B., Ratner, K., Renna, M.E., Andridge, R., Peng, J., Shrout, M.R., Sheridan, J., Lustberg, M., Ramaswamy, B., Wesolowski, R., VanDeusen, J.B. Williams, N.O., Sardesai, S.D., Noonan, A.M., Reinbolt, R.E., Stover, D.G., Cherian, M.A., Malarkey, W.B., Kiecolt-Glaser, J.K. (2022). Typhoid vaccine does not impact feelings

- of social connection or implicit or explicit social behavior in a randomized, placebo-controlled trial among middle-aged women. *Brain, Behavior, and Immunity*, 107: 124-131. (2022 IF: 19.23). <https://doi.org/10.1016/j.bbi.2022.09.021>
28. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Lustberg, M., Povoski, S.P., Agnese, D.M., Reinbolt, R.E., Wesolowski, R., Williams, N.O., Ramaswamy, B., Sardesai, S.D., Noonan, A.M., VanDeusen, J.F., Malarkey, W.B., Kiecolt-Glaser, J.K. (2022). Distress disorder history predict increased physical symptoms in two samples of breast cancer survivors: Findings across the cancer trajectory. *International Journal of Behavioral Medicine*, 1-10. (2022 IF: 2.50). <https://doi.org/10.1007/s12529-022-10115-4>
  27. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Alfano, C.M., Povoski, S.P., Lipari, A.M., Carson, W.E., Malarkey, W.B., Kiecolt-Glaser, J.K. (2022). Depression and anxiety in colorectal cancer patients: Ties to pain, fatigue, and inflammation. *Psycho-Oncology*, 31:1536–1544. (2022 IF: 3.96). <https://doi.org/10.1002/pon.5986>
  26. **Madison, A.A.**, Kiecolt-Glaser, J.K. (2022). Are sick people *really* more impulsive?: Investigating inflammation-driven impulsivity. *Psychoneuroendocrinology*, 141: 105763. (2022 IF: 4.69). <https://doi.org/10.1016/j.psyneuen.2022.105763>
  25. Shrout, M. R., **Madison, A.A.**, Renna, M. E., Alfano, C. M., Povoski, S. P., Lipari, A. M., Agnese, D. Carson III, W. E., Malarkey, W. B., Bailey, M. T., & Kiecolt-Glaser, J. K. (2021). The gut connection: Intestinal permeability as a pathway from breast cancer survivors' relationship satisfaction to inflammation across treatment. *Brain, Behavior, and Immunity*, 98: 46-47. (2022 IF:19.23). <https://doi.org/10.1016/j.bbi.2021.11.012>
  24. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Bennett, J.M., Malarkey, W.B., Emery, C.F., Kiecolt-Glaser, J.K. (2022). Distress disorder histories predict heart rate variability trajectories during and after stress. *Psychoneuroendocrinology*, 135: 105575. (2022 IF: 4.69). <https://doi.org/10.1016/j.psyneuen.2021.105575>
  23. **Madison, A.A.** (2021). Boosting stress resilience using flexibility as a framework to reduce depression risk. *Brain, Behavior & Immunity – Health*, 100357. (2022 Impact Factor: 4.90). <https://doi.org/10.1016/j.bbih.2021.100357>
  22. **Madison, A.A.**, Andridge, R., Shrout, M.R., Renna, M.E., Bennett, J.M., Jaremka, L.M., Fagundes, C.P, Belury, M.A., Malarkey, W.B., Kiecolt-Glaser, J.K. (2022). Frequent interpersonal stress and inflammatory reactivity predict depressive symptom increases: Two tests of the Social Signal Transduction Theory of Depression. *Psychological Science*, 33:152-164. (2022 IF: 10.18). \*Featured in May/June 2023 *Association for Psychological Science Observer* <https://doi.org/10.1177/09567976211031225>
  21. **Madison, A.A.**, Peng, J., Renna, M.E., Shrout, M.R., Alfano, C., Povoski, S., Lipari, A., Agnese, D., Carson, W., Malarkey, W., Kiecolt-Glaser, J.K. (2021). Psychological distress trajectories in Black and White breast cancer survivors: From diagnosis to survivorship. *Psychoneuroendocrinology*, 131, 105288. (2022 IF: 4.69). <https://doi.org/10.1016/j.psyneuen.2021.105288>
  20. **Madison, A.A.**, Belury, M.A., Andridge, R., Renna, M.E., Shrout, M.R., Malarkey, W.B., Lin, J., Epel, E.S., Kiecolt-Glaser, J.K (2021). Omega-3 supplementation and stress reactivity of cellular aging biomarkers: An ancillary substudy of a randomized,

- controlled trial in midlife adults. *Molecular Psychiatry*, 26: 3034-3042. (2022 IF: 13.44). <https://doi.org/10.1038/s41380-021-01077-2>
19. **Madison, A.A.**, Way, B.M., Beauchaine, T.P., Kiecolt-Glaser, J.K. (2021). Risk assessment and heuristics: How cognitive shortcuts can fuel the spread of COVID-19. *Brain, Behavior, and Immunity*, 94, 6-7. (2022 IF:19.23) <https://doi.org/10.1016/j.bbi.2021.02.023>
  18. Kiecolt-Glaser, J.K., Wilson, S.J., Shrout, M.R., **Madison, A.A.**, Andridge, R., Peng, J., Malarkey, W.B., Bailey, M.L. (2021). The gut reaction to couples' relationship troubles: A route to gut dysbiosis through changes in depressive symptoms. *Psychoneuroendocrinology*, 125, 105132. (2022 IF: 4.69).<https://doi.org/10.1016/j.psyneuen.2021.105132>
  17. **Madison, A.A.**, Kiecolt-Glaser, J.K. (2021). The gut microbiota and nervous system: Age-defined and age-defying. *Seminars in Cell and Developmental Biology*, 116: 98-107. (2022 IF: 7.50). <https://doi.org/10.1016/j.semcd.2020.12.009>
  16. \***Madison, A.A.**, Shrout, M.R., Renna, M., Kiecolt-Glaser, J.K. (2021). Psychological and behavioral predictors of vaccine responsiveness: Considerations for COVID-19. *Perspectives on Psychological Science*, 16(2), 191-203. (2022 IF: 11.62). \*As of November 2022, one of the most read articles in past six months and most cited articles in past three years. <https://doi.org/10.1177/1745691621989243>
  15. \*Shrout, M. R., Renna, M. E., **Madison, A.A.**, Alfano, C. M., Povoski, S. P., Lipari, A. M., Agnese, D. M., Farrar, W. B., Carson III, W. E., & Kiecolt-Glaser, J. K. (2020). Breast cancer survivors' satisfying marriages predict better psychological and physical health: A longitudinal comparison of satisfied, dissatisfied, and unmarried women. *Psycho-Oncology*, 30: 699-707. (2022 IF: 3.96). \*Top-cited article in *Psycho-Oncology*. <https://doi.org/10.1002/pon.5615>
  14. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Jaremka, L.M., Alfano, C.M., Povoski, S.P., Agnese, D.M., Carson, W.E., Kiecolt-Glaser, J.K. (2021). Fluctuations in depression and anxiety predict dysregulated leptin among obese breast cancer survivors. *Journal of Cancer Survivorship*, 15(6). (2022 IF: 4.44). <https://doi.org/10.1007/s11764-020-00977-6>
  13. Renna, M.E., Peng, J., Shrout, M.R., **Madison, A.A.**, Andridge, R., Alfano, C.M., Povoski, S., Lipari, A., Malarkey, W.B., Kiecolt-Glaser, J.K. (2020). Childhood abuse histories predict steeper inflammatory trajectories across time. *Brain, Behavior, and Immunity*, 91, 541-545. (2022 IF: 19.23). <https://doi.org/10.1016/j.bbi.2020.11.012>
  12. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Lustberg, M., Povoski, S.P., Agnese, D.M., Reinbolt, R.E., Wesolowski, R., Williams, N.O., Ramaswamy, B., Sadesai, S.D., Noonan, A.M., VanDeusen, J.B., Malarkey, W.B., Kiecolt-Glaser, J.K. (2020). Worry and rumination in breast cancer survivors: perseveration worsens self-rated health. *Journal of Behavioral Medicine*, 44, 253-259. (2022 IF: 3.47). <https://doi.org/10.1007/s10865-020-00192-9>
  11. Renna, M.E., Shrout, M.R., **Madison, A.A.**, Alfano, C.M., Povoski, S.P., Lipari, A.M., Agnese, D.M., Carson, W.E., Kiecolt-Glaser, J.K. (2020). Within-person changes in cancer-related distress predict breast cancer survivors' inflammation across treatment.

- Psychoneuroendocrinology*, 121, 104866. (2022 IF: 4.69).  
<https://doi.org/10.1016/j.psyneuen.2020.104866>
10. **Madison, A.A.**, Andridge, R., Padin, A., Wilson, S., Bailey, M., Alfano, C., Povoski, S., Lipari, A., Agnese, D., Carson, W., Malarkey, W., Kiecolt-Glaser, J.K. (2020). Endotoxemia coupled with heightened inflammation predicts future depressive symptoms. *Psychoneuroendocrinology*, 122, 104864. (2022 IF: 4.69)  
<https://doi.org/10.1016/j.psyneuen.2020.104864>
  9. \*Shrout, M. R., Renna, M. E., **Madison, A.A.**, Jaremka, L. M., Fagundes, C. P., Malarkey, W. B., & Kiecolt-Glaser, J. K. (2020). Cortisol slopes and conflict: a spouse's stress matters. *Psychoneuroendocrinology*, 121, 104839. (2022 IF: 4.69). \*Editor's choice at *Psychoneuroendocrinology*. <https://doi.org/10.1016/j.psyneuen.2020.104839>
  8. **Madison, A.A.**, Vasey, M., Emery, C., Kiecolt-Glaser, J.K. (2020). Social anxiety symptoms, Heart rate variability, and vocal emotion recognition in women: evidence for parasympathetically-mediated positivity bias. *Anxiety, Stress & Coping*, 34:3, 243-257. (2022 IF: 3.81). <https://doi.org/10.1080/10615806.2020.1839733>
  7. Shrout, M. R., Renna, M. E., **Madison, A.A.**, Alfano, C. M., Povoski, S. P., Lipari, A. M., Agnese, D. M., Yee, L. D., Carson III, W. E., & Kiecolt-Glaser, J. K. (2020). Relationship satisfaction predicts lower stress and inflammation in breast cancer survivors: A longitudinal study of within-person and between-person effects. *Psychoneuroendocrinology*, 118, 104708. (2022 IF: 4.69)  
<https://doi.org/10.1016/j.psyneuen.2020.104708>
  6. Kiecolt-Glaser, J.K., Renna, M.E., Shrout, M.R., **Madison, A.A.** (2020). Stress reactivity: what pushes us faster, higher, and longer – and why it matters. *Current Directions in Psychological Science*. 29(5), 492-498. (2022 IF: 7.87).  
<https://doi.org/10.1177/0963721420949521>
  5. **Madison, A.A.**, Belury, M.A., Andridge, R., Shrout, M.R., Renna, M.E., Malarkey, W.B., Bailey, M.T., Kiecolt-Glaser, J.K. (2020). Afternoon distraction: A high saturated fat meal and endotoxemia impact post-meal attention in a randomized crossover trial. *American Journal of Clinical Nutrition*, 111(6), 1150-1158. (2022 IF: 8.48).  
<https://doi.org/10.1093/ajcn/nqaa085>
  4. **Madison, A.A.**, Woody, A., Bailey, B., Lustberg, M., Ramaswamy, B., Wesolowski, R., Williams, N., Reinbolt, R., VanDeusen, J., Sardesai, S, Malarkey, W., Kiecolt-Glaser, J.K. (2020). Cognitive problems of breast cancer survivors on proton pump inhibitors. *Journal of Cancer Survivorship*, 14(2): 226-234. (2022 IF: 4.44).  
<https://doi.org/10.1007/s11764-019-00815-4>
  3. **Madison, A.A.**, Kiecolt-Glaser, J.K. (2019). Stress and depression, diet, and the gut microbiota: human-bacteria interactions at the core of psychoneuroimmunology and nutrition. *Current Opinion in Behavioral Sciences*, 28, 105-110. (2022 IF: 4.26).  
<https://doi.org/10.1016/j.cobeha.2019.01.011>
  2. **Madison, A.A.**, Andersen, B., Ajam, A. (2019). Response to: “A somatization comorbidity phenotype impacts response to therapy in rheumatoid arthritis: post-hoc results from the certolizumab pegol phase 4 PREDICT trial.” *Arthritis Research and*

*Therapy*, 21(1), 65. (2022 IF: 5.61). <https://doi.org/10.1186/s13075-019-1848-4>

1. Kiecolt-Glaser, J., Wilson, S., **Madison, A.A.** (2018). Marriage and gut (microbiome) feelings: Tracing novel dyadic pathways to accelerated aging. *Psychosomatic Medicine*, 81(8), 704-710. (2022 IF: 3.86). <https://doi.org/10.1097/PSY.0000000000000647>

### Manuscripts in Submission

Renna, M.E., Shrout, M.R., **Madison, A.A.** Belury, M., Malarkey, W.B., Kiecolt-Glaser, J.K. Depression as a moderator in the relationship between interpersonal stressors and inflammation. (under revision *Health Psychology*).

**Madison, A.A.**, Shrout, M.R., Wilson, S.J., Renna, M.E., Pen, J., Andridge, R., Jaremka, L.M., Fagundes, C.P., Malarkey, W.B., Kiecolt-Glaser, J.K. ‘I’m ready this time’: Investigating physiological and emotional habituation to repetitive social stress. (under review *Health Psychology*)

### Manuscripts in Preparation

Mac Giollabhui, N., Liu, R., Lydston, Melis, **Madison, A.A.**, Miller, A., Lenoel Quang, E. Determining the efficacy of anti-inflammatory treatment on anhedonia and depressive symptoms severity in individuals with major depressive disorder and an inflammatory phenotype.

**Madison, A.A.**, Andridge, R., Duff, A., Bailey, M.T., Wilson, S.J., Shrout, M.R., Kiecolt-Glaser, J.K. The gut microbiome and the emotional and inflammatory responses to marital conflict.

### Book Chapters

1. Belury, M.A., **Madison, A.A.** (in press). Cardiometabolic disease. In J. Rippe (Eds.), *Lifestyle Medicine in Mental Health*. CRC.

### INVITED TALKS

- 2023 “Social Stress, Inflammatory Reactivity, and Depressive Symptoms,” UCLA, Dr. George Slavich’s Laboratory for Stress Assessment and Research, October
- 2023 Speaker for European Psychoneuroimmunology Network Journal Club, June
- 2021 “Psychosocial factors impacting cancer trajectories,” Northwestern University T32 Training Grant Class, June

### NATIONAL/INTERNATIONAL CONFERENCE PRESENTATIONS

#### Oral Presentations

7. Social Stress, Inflammatory Reactivity, and Depressive Symptoms, Psychoneuroimmunology Research Society Trainee Event, virtual, February 2023.
6. Dietary quality predicts inflammation, cardiovascular risk biomarkers, gut leakiness, and depressive symptoms, American Psychosomatic Society, Long Beach, CA, March 2022.
5. Stress, social support, and post-vaccination Hepatitis A antibody trajectories among naïve and exposed caregivers and controls, Psychoneuroimmunology Research Society, virtual, June 2021.

4. Gut leakiness predicts women's depressive symptoms one and two years later, Psychoneuroimmunology Research Society Meeting, Berlin, Germany, June 2019.
3. Gut leakiness predicts women's depressive symptoms one and two years later, American Psychosomatic Society, Vancouver, Canada, March 2019.
2. Yoga intervention protects breast cancer survivors against fatigue and poorer quality of life associated with a proinflammatory diet, Psychoneuroimmunology Research Society, Miami, FL, June 2018.
1. Chemotherapy, bacterial translocation, heart rate variability, and depression in breast cancer survivors, Psychoneuroimmunology Research Society, Miami, FL, June 2018.

### **Poster Presentations**

6. The Effect of Elevated Inflammation and Depression on Subjective and Objective Cognitive Function among Breast Cancer Survivors, Psychoneuroimmunology Research Society, Boulder, Colorado, June 2023.
5. Lower gut microbiota complexity predicts accelerated T cell aging, European Psychoneuroimmunology Network Autumn School, Giessen, Germany, September 2022.
4. Lower gut microbiota complexity predicts accelerated T cell aging, Psychoneuroimmunology Research Society, Zurich, Switzerland, June 2022.
3. Conflict hurts: Social stress modulates interleukin-1 receptor antagonist's link with pain and sadness, Psychoneuroimmunology Research Society, Zurich, Switzerland, June 2022.
2. Endotoxemia coupled with heightened inflammation predicts future depressive symptoms, Association for Clinical and Translational Science, virtual, April 2021.
1. Cognition and stress reactivity of breast cancer survivors on proton pump inhibitors, American Psychosomatic Society, Louisville, KY, March 2018.

### **CAMPUS OR DEPARTMENTAL TALKS**

13. Conflicts hurt: Social stress modulates interleukin-1 receptor antagonist's link with pain and sadness, Institute for Behavioral Medicine Research Day, Columbus, OH, May 2022.
12. Discussing your research with the media, TL1 Pre- and Post-Doctoral Colloquium, Columbus, OH, March 2022.
11. Dietary quality predicts inflammation, cardiovascular risk biomarkers, gut leakiness, and depressive symptoms, Edward F. Hayes Graduate Research Forum, Columbus, OH, March 2022.
10. Frequent interpersonal stress and inflammatory reactivity predict depressive symptom increases: Two tests of the Social Signal Transduction Theory of Depression, Edward F. Hayes Graduate Research Forum, Columbus, OH, April 2021.
9. Omega-3 supplementation and stress reactivity of cellular aging biomarkers: An ancillary substudy of a randomized, controlled trial in midlife adults, Institute for Behavioral Medicine Research Day, Columbus, OH, May 2021.
8. Afternoon distraction: A high saturated fat meal and endotoxemia impact post-meal attention in a randomized crossover trial," Institute for Behavioral Medicine Research Day, Columbus, OH, April 2020 [canceled COVID-19].



7. Endotoxemia coupled with heightened inflammation predicts future depressive symptoms, Center for Clinical and Translational Science, Columbus, OH, March 2020.
6. Afternoon distraction: A high saturated fat meal and endotoxemia impact post-meal attention in a randomized crossover trial, Center for Clinical and Translational Science Research Forum, Columbus, OH, December 2019.
5. Gut leakiness predicts women’s depressive symptoms one and two years later, Institute for Behavioral Medicine Research Day, Columbus, OH, May 2019.
4. Gut leakiness predicts women’s depressive symptoms one and two years later, Edward F. Hayes Graduate Research Forum, Columbus, OH, March 2019.
3. Cognition and stress reactivity of breast cancer survivors on proton pump inhibitors, Edward F. Hayes Graduate Research Forum, Columbus, OH, March 2019.
2. Cognition and stress reactivity of breast cancer survivors on proton pump inhibitors, Department of Psychology, Columbus, OH, March 2018.
1. Cognition and stress reactivity of breast cancer survivors on proton pump inhibitors, Institute for Behavioral Medicine Research Day, Columbus, OH, April 2018.

**RESEARCH EXPERIENCE**

- 2017-2023 Graduate Research Assistant, Psychoneuroimmunology Research Lab, Institute for Behavioral Medicine, The Ohio State University, Advisor: Janice Kiecolt-Glaser
- 2015 Post-Baccalaureate Research Assistant, Comorbid Addiction and Mental Illness Lab, University of Nebraska – Lincoln, Advisor: Dennis McChargue

**TEACHING EXPERIENCE**

Introduction to Psychology, The Ohio State University (AU19, SP20)

**Student Supervision/Mentorship**

- 2022 – 2023 Richie Petrillo, Undergraduate Research Assistant, The Ohio State University. Project: “Relationships among dietary quality, depressive symptoms, and aging markers in healthy middle-aged and older adults.” Presented at 2023 Denman Undergraduate Research Forum, Columbus, OH
- 2021-Present Anthony Kantaras, Undergraduate Pelotonia Fellowship, The Ohio State University Comprehensive Cancer Center. Project: “Psychosocial predictors of immune status and hospital utilization of post-transplant multiple myeloma patients.” Presented at 2023 Psychoneuroimmunology Research Society Meeting, Boulder, CO
- 2021 – 2022 Tyra Robertson, Louis Stokes Alliance for Minority Participation (LSAMP) Program Diversity Fellowship, The Ohio State University Office of Diversity and Inclusion. Project: “Vocal stress and negative emotional expression.” Presented at 2022 Society for Personality and Social Psychology Meeting, San Francisco, CA
- 2020 – 2022 Marie Filatov, Undergraduate Pelotonia Fellowship, The Ohio State University, Comprehensive Cancer Center. Project: “Depression and cardiovascular health in

breast cancer patients,” Presented at 2022 American Psychosomatic Society Meeting, Long Beach, CA

2018 – 2020 Jacqueline Caputo, Undergraduate Pelotonia Fellowship, The Ohio State University, Comprehensive Cancer Center. Project: “Heart rate variability as a protective factor against cancer treatment-related cognitive decline.”

## **CLINICAL EXPERIENCE**

2023 – 2024 Clinical Psychology Internship (Behavioral Medicine), VA Boston Healthcare System with appointments as Clinical Fellow in Psychiatry, Harvard Medical School and Teaching Fellow in Department of Psychiatry, Boston University Chobanian and Avedisian School of Medicine

### **Training at The Ohio State University**

2021 – 2022 Behavioral Cardiology Clinic, Medical Center (Supervisor: Dr. Cheryl Carmin)  
 2020 – 2021 Training on Micro-Level Therapy Skills (Supervisor: Dr. Larry Needleman)  
 2020 – 2021 Mindfulness Clinic (Supervisor: Dr. Ruchika Prakash)  
 2020 – 2021 Early-Onset Psychosis Intervention Center (Supervisor: Dr. Heather Wastler)  
 2019 – 2020 Behavioral Medicine Clinic (Supervisor: Dr. Charles Emery)  
 2018 – 2019 Cognitive-Behavioral Therapy Clinic (Supervisor: Dr. Michael Vilensky)

### **Clinical Assessments Administered**

MMPI-2, WAIS-IV, SCID-V, Y-BOCS, Structured Interview of Psychotic Risk Syndromes (SIPS), Columbia Suicide Severity Rating Scale, TICS-M, Calgary Depression Scale for Schizophrenia, Hamilton Anxiety Rating Scale, Positive and Negative Symptom Scale (PANSS), MoCA

## **SERVICE TO PROFESSION**

Ad Hoc Reviewer for: *Cancers, Communications Biology, Journal of Psychosomatic Research, Journal of Racial and Ethnic Health Disparities, Frontiers in Psychology, Scientific Reports, Health Psychology Reviews, Psycho-Oncology, Gut Microbes, Frontiers in Neuroendocrinology, Psychophysiology, Psychology Research and Behavior Management, Physiology and Behavior, The Lancet Psychiatry, Journal of Family Psychology, Psychosomatic Medicine, Breast Cancer: Targets and Therapy, Brain, Behavior, & Immunity – Health, Journal of Mental Health and Clinical Psychology*

Review Editor, *Frontiers in Behavioral Neuroscience*, 2023–Present

*Frontiers* Research Topic Host: Gut-Brain Axis, 2023–Present

Co-Chair, Cancer Oral Presentations Session, Psychoneuroimmunology Research Society Meeting, Boulder, CO, June 2023

Speaker, AP Psychology Career Panel, Tipp City High School, OH, May 2023

### **To Department/University**

DEI Committee’s Psychology Peer Education & Enrichment Program Mentor, 2022–2023

Representative, The Ohio State University’s TL1 training program at NIH Clinical and Translational Science Award Program Meeting, December 2021

Student Listening Session Moderator to Inform Dean of College of Arts and Sciences Search, The Ohio State University, September 2021  
 Search Advisory Committee for Executive Dean of College of Arts and Sciences, The Ohio State University, 2021–2022  
 Mentor, Psychology Department’s Graduate School Application Review Event, 2021  
 Dean’s Advisory Board Member, College of Arts and Sciences, The Ohio State University, 2020–2022  
 Elected Representative, Psychology Department Graduate Student Instructors and Course Assistants During COVID-19 Pandemic, 2020–2021  
 Judge, The Ohio State University Undergraduate Research Forum, 2017–2018

### **ADDITIONAL TRAINING**

2022 “Lung-Brain Axis in Health and Disease” School, European Psychoneuroimmunology Network, Giessen, Germany  
 2018 Biostatistics Summer Institute, Microbiome Statistics, University of Washington  
 2017 Phlebotomy for Research Settings, The Ohio State University  
 2014 Teach for America Summer Institute, Rice University

### **SELECTED MEDIA COVERAGE**

Dolan, E. (2022, March 6). *New Psychology Research Uncovers an Interesting Link Between Inflammatory Responses and Depression*. PsyPost. <https://www.psypost.org/2022/03/new-psychology-research-uncovers-an-interesting-link-between-inflammatory-responses-and-depression-62688>

Rodenburg, M. (2022, February 15). *How Going for a Run May Improve Your Response to Vaccines*. Women’s Running. <https://www.womensrunning.com/health/wellness/covid-19-vaccine-and-mental-health/>

Sharkey, C. (2022, February 4). *Brain Shortcuts May Be Partially to Blame for Vaccine and Mask Non-Compliance*. Neuroscience News. <https://neurosciencenews.com/cognitive-shortcuts-covid-compliance-20019/>

Gramigna, J. (2021, April 20). *Omega-3 Supplementation May Slow Stress-Related Accelerated Aging*. Healio. <https://www.healio.com/news/psychiatry/20210420/omega3-supplementation-may-slow-stressrelated-accelerated-aging>

*Under the Cortex: How Depression and Stress Could Dampen Efficacy of COVID-19 Vaccines*. (2021, January 19). Psychological Science. <https://www.psychologicalscience.org/news/2021-utc-efficacy-19-vaccines.html>

*Boosting Your Body’s Vaccine Response: Stress Doesn’t Help*. (2021, January 19). CNN Newsource. <https://www.cbs7.com/2021/01/19/how-stress-impacts-your-bodys-vaccine-response/>

*Covid-19: Depression and Stress Could Hamper Immune Responses to Vaccines*. (2021, January 14). Yahoo! Life. <https://sg.style.yahoo.com/covid-19-depression-stress-could-112442149.html>

Camero, K. (2021, January 14). *Stress and Depression May Weaken Your Immune Response to COVID vaccines, studies show*. Miami Herald. <https://www.miamiherald.com/news/nation-world/national/article248512865.html>

- COVID-19 Vaccine Creates Incentive to Improve Our Health: Previous Research Suggests Stress, Depression, Inactivity Could Interfere with Immune Response.* (2021, January 13). Science Daily. <https://www.sciencedaily.com/releases/2021/01/210113144447.htm>
- Millard, E. *Why Foods with Saturated Fats May Hinder Our Ability to Focus.* (2020, May 28). Runner's World. <https://www.runnersworld.com/news/a32675158/saturated-fat-impact-on-ability-to-focus-study/>
- Saturated Fat Affects Attention Span, Study Suggests.* (2020, May 15). Whole Foods Magazine. <https://wholefoodsmagazine.com/grocery/news-grocery/saturated-fat-affects-attention-span-study-suggests/>
- Nessel, J. (2020, January 23). *Acid Reflux Drugs Linked to Concentration Problems in Breast Cancer Survivors.* Pharmacy Times. <https://www.pharmacytimes.com/view/acid-reflux-drugs-linked-to-concentration-problems-in-breast-cancer-survivors>

## **PROFESSIONAL AFFILIATIONS**

American Psychosomatic Society  
European Psychoneuroimmunology Network Journal Club  
Psychoneuroimmunology Research Society  
American Psychological Association  
Society for a Science of Clinical Psychology  
The Ohio State University Psychology Graduate Student Association  
Phi Beta Kappa  
Omicron Delta Kappa  
Phi Eta Sigma