**University of Pittsburgh**

**Department of Psychology**

# **BIOGRAPHICAL**

**Name:** Anna L. Marsland, Ph.D., R.N. **Birth Date:** August 9, 1962

**Home Address:** 7416 Richland Manor **Birth Place:** Birmingham, England

Pittsburgh, PA 15208

**Citizenship:** US Citizen

**Home Phone:** (412) 241-4329

**Business Address:** Department of Psychology **E-mail:** marsland@pitt.edu

University of Pittsburgh

3412 Sennott Square

210 S. Bouquet St.

Pittsburgh, PA 15260

**Business Phone:** (412) 370-5622 **Business Fax:** (412) 624-4428

## EDUCATION AND TRAINING

**UNDERGRADUATE:**

1985-1988 University College London B.S., 1988 Psychology

London, England

1981-1984 The John Radcliffe College RN, 1984 Nursing

Oxford, England

**GRADUATE:**

1989-1997 University of Pittsburgh MS, 1992 Clinical Psychology

Pittsburgh, PA Ph.D., 1997 Health Psychology

**INTERNSHIP:**

1996-1997 Western Psychiatric Marsha Marcus, Ph.D. and Paul Pilkonis, Ph.D., Directors

Institute and Clinic Clinical Psychology Internship Program

Pittsburgh, PA

**PROFESSIONAL EMPLOYMENT AND EXPERIENCE**

**ACADEMIC POSITIONS:**

* 1. Behavioral Medicine in Oncology Post-doctoral fellow

University of Pittsburgh Cancer Institute Mentor: Andrew Baum, Ph.D.

1998-2001 Behavioral Medicine Program Pediatric Psychologist

Department of Psychiatry

University of Pittsburgh Medical Center

Pittsburgh, PA

2000-2001 Pediatric Pain Management Program Co-Director

Behavioral Medicine Program

Department of Psychiatry

University of Pittsburgh Medical Center

Pittsburgh, PA

2001- 2007 University of Pittsburgh Assistant Professor of Psychology

Department of Psychology

2008- University of Pittsburgh Associate Professor ofPsychology

Department of Psychology

2008- School of Nursing Associate Professor of Nursing (secondary appointment)

2012 Department of Psychiatry Associate Professor of Psychiatry

(Secondary Appointment)

2013 Clinical and Translational Science Institute Associate Professor of Clinical

University of Pittsburgh and Translational Science

2016- University of Pittsburgh Professor of Psychology

Department of Psychology

2017- School of Nursing Professor of Nursing

(Secondary Appointment)

2018- Clinical and Translational Science Institute Professor of Clinical and

University of Pittsburgh Translational Science

**NON-ACADEMIC POSITIONS:**

1984-1985 The John Radcliffe Hospital Staff Nurse

Oxford, England

1985-1988 Princess Grace Hospital Staff Nurse

London, England

1988-1989 Priory Hospital Charge Nurse

Birmingham, England

1993-1996 Behavioral Medicine in Oncology Clinician

University of Pittsburgh Cancer Institute

## CERTIFICATION AND LICENSURE

Psychologist, Commonwealth of Pennsylvania, License PS‑008969‑L 1999 - present

Registered Nurse, English National Board for Nursing, PIN: 81C1939E 1984

## MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Psychological Association (APA) 1999-present

APA -Division 38 – Health Psychology 1999-present

Society of Behavioral Medicine 1994-present

Society of Pediatric Psychology 1999-present

American Psychosomatic Society 2001-present

British Psychological Society 1989-1992

Psychoneuroimmunology Research Society 2001-present

Academy of Behavioral Medicine 2012-present

## HONORS

Annual prize for outstanding undergraduate performance in psychology 1986-1987

Bassell Award for clear excellence in all phases of graduate program 1996

Associate Editor, Psychosomatic Medicine 2011-

Elected as a Fellow of the Academy of Behavioral Medicine 2011

Elected to the Executive Council of the Academy of Behavioral Medicine 2013

Elected to serve on the Psychoneuroimmunology Research Society Board of Directors 2014

Awarded American Psychological Society Fellow status 2018

Elected to be President of the Academy of Behavioral Medicine in 2021 2019

Patricia R. Barchas Award in Sociophysiology, American Psychosomatic Society 2020

Elected as a Fellow of the American Psychosomatic Society 2022

## PUBLICATIONS

**Peer –Reviewed Journal Articles:**

1. **Marsland, A. L.**, Salmon, P., Terry, P., & Stanford, C. Effects of propranolol on nor-adrenergic correlates of the response to non-reward. *Pharmacology, Biochemistry and Behavior* 1990; 35:41-46.
2. Bachen, E.A., Manuck, S. B., **Marsland, A.L.**, Cohen, S., Malkoff, S. B., Muldoon, M. F., & Rabin, B. S. Lymphocyte subset and cellular immune responses to a brief experimental stressor. *Psychosomatic Medicine* 1992; 54:673-679.
3. Herbert, T.B., Cohen, S., **Marsland, A.L.**, Bachen, E.A., Rabin, B.S, Muldoon, M.F. & Manuck, S. Cardiovascular reactivity and the course of immune response to an acute psychological stressor. *Psychosomatic Medicine* 1994;56, 337-344.
4. **Marsland, A.L.**, Manuck, S.B., Fazzari, T.V., Stewart, C.J., & Rabin, B.S. Stability of individual differences in cellular immune response to acute psychological stress*. Psychosomatic Medicine* 1995; 57:295-298.
5. Manuck, S.B., **Marsland, A.L.**, Kaplan, J.R., & Koudy Williams, J. The pathogenicity of behavior and its neuroendocrine mediation: An example from coronary artery disease. *Psychosomatic Medicine* 1995; 57:275-283.
6. **Marsland, A.L.**, Manuck, S.B., Wood, P., Rabin, B.S., Muldoon, M.F., & Cohen, S. Beta2-adrenergic receptor density and cardiovascular response to mental stress. *Physiology and Behavior* 1995; 57:1163-1167.
7. Manuck, S.B., Polefrone, J.M., Terrell, D.F., Muldoon, M.F., Kasprowicz, A.L., Waldstein, S.R., Jennings, J.R., Malkoff, S.B., **Marsland, A.L.**, & Graham, R.E. Absence of enhanced sympathoadrenal activity and behaviorally-evoked cardiovascular reactivity among offspring of hypertensives. *American Journal of Hypertension 1996;* 9: 248-55.
8. Muldoon, M.F., Flory, J.D., **Marsland, A.,** Manuck, S.B., Whiteside, T.L., & Rabin, B.S. Effects of lovastatin on the immune system. *American Journal of Cardiology* 1997;80:1391-4.
9. Muldoon, M.F., **Marsland, A.**, Flory, J.D., Rabin, B.S., Whiteside, T.L., & Manuck, S.B. Immune system differences in men with hypo- or hypercholesterolemia. *Clinical Immunology and Immunopathology* 1997;84: 145-149.
10. **Marsland, A.L.**, Herbert, T.B., Muldoon, M., Bachen, E.A., Patterson, S., Cohen, S., Rabin, B.S., & Manuck, S.B. Lymphocyte subset redistribution during acute mental stress: Mediating effects of hemoconcentration. *Health Psychology* 1997; 16: 1-8.
11. Feldman, P., Cohen, S., Lepore, S., Matthews, K., Kamarck, T. & **Marsland, A.** Negative emotions and acute physiological response to stress. *Annals of Behavioral Medicine* 1999; 21: 216-222
12. Patterson, S.M., Marsland, A., Manuck, S.B., Kameneva, M., & Muldoon, M.F. (1998). Acute hemoconcentration during psychological stress: Assessment of hemorheologic factors. International Journal of Behavioral Medicine, 5, 24-31.
13. Barger, S.D., **Marsland, A.L.**, Bachen, E.A., & Manuck, S.B. Repressive coping and blood measures of disease risk: Lipids and endocrine and immunological responses to a laboratory stressor*. Journal of Applied Social Psychology*; 2000; 30:1619-1638.
14. **Marsland, A.L**., Cohen, S., Rabin, B.S., & Manuck, S.B. Associations between stress, trait negative affect, acute immune reactivity and antibody response to hepatitis B injection. *Health Psychology*; 2001;20:4-11
15. **Marsland, A.L.**, Henderson, B.N., Chambers, W., & Baum, A. Stability of individual differences in cellular immune responses to two different laboratory tasks*. Psychophysiology; 2002*  39:865-868.
16. **Marsland, A.L.,** Bachen, E.A., Cohen, S., Rabin, B., & Manuck, S.B. Stress, immune reactivity and susceptibility to infectious disease. *Physiology and Behavior*, 2002 77:711-716
17. **Marsland, A.L.,** Cohen, S., Rabin, B.S., & Manuck, S.B. Positive affect and antibody response to hepatitis B vaccination. *Brain, Behavior and Immunity; 2006 20:261-269*
18. **Marsland, A.L.**, Petersen, K.L., Sathanoori, R., Flory, J.D., Muldoon, M.F., Neumann, S.A., & Manuck, S.B. Interleukin-6 covaries inversely with cognitive performance among middle-aged community volunteers. *Psychosomatic Medicine; 2006 68:895-903*
19. Cyranowski, J.M., **Marsland, A.L**., Bromberger, J. T., Whiteside, T.L., Chang, Y. & Matthews, K. A. Depressive symptoms and Immune Competence in Midlife women. *Brain, Behavior and Immunity; 2007* 21: 229-237
20. **Marsland, A.L.,** Sathanoori, R., Muldoon, M.F., & Manuck, S.B. Stimulated production of interleukin-8 covaries with psychosocial risk factors for inflammatory disease among middle-aged community volunteers. *Brain, Behavior, and Immunity*; 2007 21: 218-228.
21. Prather, A, A.\* **Marsland, A.L**., Muldoon, M.F., & Manuck, S.B. Positive emotional style covaries with stimulated IL-6 and IL-10 production among a middle-aged community sample. *Brain, Behavior, and Immunity;* 2007 21:1033-7.
22. **Marsland, A.L**., Gianaros, P.J., Prather, A.A.\*, Jennings, J.R., Neumann, S.A.\*, & Manuck, S.B. Stimulated production of proinflammatory cytokines covaries inversely with heart rate variability. *Psychosomatic Medicine;* 2007 69:709-16.
23. Petersen, K.L.\*, **Marsland, A.L**., Flory, J., Muldoon, M.F., & Manuck, S.B. Community Socioeconomic status is associated with Circulating Interleukin-6 and C-Reactive Protein. *Psychosomatic Medicine.* 2008 70:646-52.
24. **Marsland, A.L**., Prather, A.A.\*, Petersen, K.L.\*, Cohen, S., & Manuck, S.B. Antagonistic Characteristics are Positively Associated with Inflammatory Markers Independently of Trait Negative Emotionality. *Brain, Behavior, and Immunity*. 2008 22:753-61.
25. **Marsland, A.L**., Gianaros, P.J., Abramowitch, S.M., Manuck, S.B., & Hariri, A.R. Interleukin-6 covaries inversely with hippocampal grey matter volume in middle-aged adults. *Biological Psychiatry* 2008 64:484-490.
26. Ewing, L.J., Long, K.\*, Rotondi, A., Howe C., Bill, L., & **Marsland, A.L**. Brief report: A Pilot Study of a Web-based Resource for Families of Children with Cancer. *Journal of Pediatric Psychology*. 2009 34:523-529.
27. Okun, M.L.\*, Roberts, J.M., **Marsland, A.L**., & Hall, M. (2009). How disturbed sleep may be a risk factor for adverse pregnancy outcomes: A hypothesis. Obstetrics and Gynecology Survey 64:273-280.
28. Prather, A.A.\*, **Marsland, A.L.,** Hall, M., Neumann, S.A.\*, Muldoon, M.F., & Manuck, S.B. Normative variation in self-reported sleep quality and sleep debt is associated with stimulated proinflammatory cytokine production. *Biological Psychology,* 2009 82:12-7. PMCID: PMC2727147.
29. Prather, A.A.\*, Carroll, J.E.\*, Fury, J.M., McDade, K.K., Ross, D., & **Marsland, A.L.** Gender differences in stimulated cytokine production following acute psychological stress. *Brain, Behavior and Immunity,* 2009 23: 622-8. PMCID: PMC2694847.
30. Phillips, J.E.\*, **Marsland, A.L.,** Flory, J.D., Muldoon, M.F., Cohen S. & Manuck, S.B. Parental education is related to C-reactive protein among female middle aged community volunteers. *Brain, Behavior and Immunity*, 2009 23:677-83. PMCID: PMC2695412.
31. Hipwell, AE, Keenan, K, & **Marsland, A.L.** Exploring markers of vulnerability to somatic illnesses in females. *Journal of Pediatric Psychology,* 2009 34:1030-9. PMCID: PMC2744329.
32. Thompson, A.L.\*, **Marsland, A.L.,** & Marshal, M.P. Romantic relationships of emerging adult survivors of childhood cancer. *Psychooncology,* 2009 18:767-74.
33. Manuck, S.B., **Marsland, A.L.,** Flory, J.D., Gorka, A., Ferrell, R.E. & Hariri, A.R. Salivary testosterone and A trinucleotide (CAG) length polymorphism in the androgen receptor gene predict amygdala reactivity in men. *Psychoneuroendocrinology*, 2010 35,94-104. NIHMSID: NIHMS169847.
34. Halder, I.\*, **Marsland, A.L.,** Muldoon, M.F., Ferrell B., & Manuck, S.B. Polymorphisms in the *CRP* gene moderate the association between depressive symptoms and circulating levels of C Reactive Protein. *Brain, Behavior, and Immunity*, 2010 24:160-7. NIHMSID: NIHMS149667.
35. Alderfer, M.A., Long, K.A.\*, Lown, E.A., **Marsland, A.L**., Ostrowski, N.L., Hock, J.M.,& Ewing, L.J. Psychosocial Adjustment of Siblings of Children with Cancer: A Systematic Review. Psycho-Oncology. 2009.
36. Carroll, J.E.\*, **Marsland, A.L.,** Jenkins, F., Baum, A., Muldoon, M.F. & Manuck, S.B. Urinary 8-hydroxy-2'-deoxyguanosine Covaries Positively with Hostility Among Mid-Life Community Volunteers. *Psychosomatic Medicine*. 2010 72:273-80. *PMC Journal – In Process*
37. NeSmith, EG\*, Catravas, JD, **Marsland, AL**, Alexander, SA, Hawkins, ML, Medeiros, RS. (2009). The influence of accelerated biologic aging, chronic stress, and inflammatory response on outcomes following trauma. Brain, Behavior, and Immunity, 23(2), S51. (Abstract).
38. **Marsland, A.L.,** McCaffery, J.M., Muldoon, M.F., and Manuck, S.B. Systemic Inflammation and the Metabolic Syndrome among Middle-aged Community Volunteers (2010). Metabolism 59:1801-8.
39. **Moore, A**.M.\*, Gamblin, C., Geller, D.A., Youssef, M.N., Hoffman, K.E., Gemmell, L., Likumahuwa, S.M., Bovbjerg, D.H., Marsland, A.L., Steel, J.L. A prospective study of posttraumatic growth as assessed by self report and family caregiver in the context of advanced cancer. *Psycho-Oncology*. 2011 20:479-487.
40. Long, K, A.\*, Ewing, L.J., Cohen, S., Skoner, D., Gentile, D., Koehrsen, J., Howe, C., Thompson, A.L.\*, Rosen, R.K., Ganley, M.\*, and **Marsland, A.L**.Preliminary Evidence for the Feasibility and Efficacy of a Stress Management Intervention for 7-12 Year Olds with Asthma*. Journal of Asthma.* 2011. 48:162-70
41. Long, K.A.\*, & **Marsland, A.L**. Family adjustment to Childhood Cancer: A Systematic Review. *Clinical Child and Family Psychology Review* 2011. 14:57-88.
42. Goldstein, B.I.\*, Collinger, K.A., Lotrich, F., **Marsland, A.L**, Gill, M-K., Axelson, D.A. & Birmaher, B. Preliminary Findings Regarding Pro-Inflammatory Markers and Brain-Derived Neurotrophic Factor among Adolescents with Bipolar Disorder. *Journal of Child and Adolescent Psychopharmacology*. 2011. 21:479-484
43. Carroll, J.E.\*, Low, C.A.\*, Prather, A.A.\*, Cohen, S., Fury, J.M., Ross, D.C., & **Marsland, A.L.** Negative affective responses to a speech task predict changes in interleukin (IL)-6. *Brain, Behavior, and Immunity* 2011. 25: 232-8.
44. Carroll, J.E.\*, Cohen, S., & **Marsland, A.L**. Early Childhood Socioeconomic Status Is Associated with Circulating Interleukin-6 Among Mid-Life Adults. *Brain, Behavior, and Immunity*. 2011. 25:1468-74.
45. Franzen P.L.\*, Gianaros PJ, **Marsland AL,** Hall MH, Siegle GJ, Dahl RE, Buysse DJ. Sleepless nights and stressful days: Effects of sleep deprivation on mental stress-induced blood pressure reactivity. *Psychosomatic Medicine*. 2011 73:679-682.
46. Prather, A.A.,\* Hall, M., Fury, J. M., Ross, D.C., Muldoon, M.F., Cohen, S., & **Marsland, A.L.** (2012). Sleep and Antibody Response to Hepatitis B Vaccination. Sleep 35:1063-1069.
47. Crittenden, C.N.\*, Carroll, J.E.\*, Cohen, S., & **Marsland, A.L. (**2012). Rumination, post-stress contemplation, and diurnal cortisol among mid-life adults. Brain, Behavior and Immunity 26:S1.
48. Long, K. A.\*, Alderfer, M.A., Ewing, L.J., & **Marsland, A.L.** (2012). The Role of Contextual Threat in Predicting Self-Reported Distress among Siblings of Children with Cancer. Journal of Clinical Psychology in Medical Settings. 20:199-208.
49. Rosano C, **Marsland AL,** Gianaros PJ. (2012). Maintaining brain health by monitoring inflammatory processes: a mechanism to promote successful aging. Aging Dis 3:16-33.
50. Messay, B\*., Lim, A.\*, & **Marsland, A.L.** (2012). Current understanding of the bi-directional relationship of major depression with inflammation. Biology of Mood and Anxiety Disorders 2: 4.
51. McCaffery, J.M., **Marsland, A.L.**, Strohacker, K., Muldoon, M.F., & Manuck, S.B. (2012). Factor Structure Underlying Components of Allostatic Load. PLoS One 7: e47246.
52. Thompson, A.L\*, Long, K.A.\*, & **Marsland, A.L.** (2013) Impact of Childhood Cancer on Emerging Adult Survivors.’ Journal of Sexual Medicine. 10:65-73.
53. Gianaros, P.T., **Marsland, A.L**., Sheu, L.K., Erickson K.I., & Verstynen, T.D. (2012). Inflammatory pathways link socioeconomic inequities to white matter architecture. Cerebral cortex. 23:2058-2071.
54. **Marsland, A.L**., Long, K.A.\*, Howe, C., Thompson, A.L.,\* Tersak, J. & Ewing, L.J. (2013). A Pilot Trial of a Stress Management Intervention for Primary Caregivers of Children Newly Diagnosed With Cancer: Preliminary Evidence That Perceived Social Support Moderates the Psychosocial Benefit of Intervention. Journal of Pediatric Psychology 38:449-461.
55. Long, K.A.\*, **Marsland, A.L.,** & Alderfer, M. (2013). Cumulative Family Risk Predicts Sibling Adjustment to Childhood Cancer. Cancer. 119:2503-2510.

1. Verstynen, T.D., Weinstein, A.\*, Erickson, K.I., Sheu, L.K., **Marsland, A.L**., & Gianaros P.J. (2013). Competing physiological pathways link individual differences in weight and abdominal adiposity to white matter microstructure. Neuroimage. 79:129-137.
2. Yonas, M. A.\*, **Marsland, A.L**., Emeremni, C.A., Moore, C.G., & Wenzel, S. (2013). Depressive Symptomatology and Disease Control among Individuals with Well-Characterized Severe Asthma. Journal of Asthma. 50:884-890.
3. **Marsland, A.L.** (2013). Adversity and Inflammation among Adolescents: A possible pathway to Long-Term Health Risk. Psychosomatic Medicine. 75:438-441.
4. Cohen, S., Janicki-Deverts, D., Turner, R.B., **Marsland, A.L**., Casselbrant, M.L., Li-Korotky, H-S, Epel, E.S. &, Doyle, W.J. (2013). Childhood socioeconomic status, telomere length, and susceptibility to upper respiratory infection. Brain, Behavior, and Immunity. 34:31-38.
5. Janicki-Deverts, D., Cohen, S., Doyle, W.J., **Marsland, A.L.,** & Brosch, J. (2014). Childhood environments and cytomegalovirus serostatus and reactivation in adults. Brain, behavior, and immunity, 40, 174-181.
6. Gianaros, P.J., **Marsland, A.L.,** Kuan, D., Schirda, B.L., Jennings, J.R., Sheu, L.K., Hariri, A.R., Gross, J.J. and Manuck, S.B. (2014). An Inflammatory Pathway Links Atherosclerotic Cardiovascular Disease Risk to Neural Activity Evoked by the Cognitive Regulation of Emotion. Biological Psychiatry, 75(9), 738-745
7. Brehm JM, Ramratnam SK, Tse SM, Croteau-Chonka DC, Pino-Yanes M, Rosas-Salazar C, Litonjua AA, Raby BA, Boutaoui N, Han Y-Y, Chen W, Forno E, **Marsland, AL**, Nugent NR, Eng C, Colón-Semidey A, Alvarez M, Acosta-Pérez E, Spear ML, Martinez FD, Avila L, Weiss ST, Soto-Quiros M, Ober C, Nicolae DL, Barnes KC, Lemanske, RF, Strunk RC, Liu A, London SJ, Gilliland F, Sleiman P, March M, Hakonarson H, Duan QL, Kolls JK, Fritz GK, Hu D, Fani N, Stevens JS, Almli LM , Burchard EG, Shin J, McQuaid EL, Ressler K, Canino G, and Celedón JC (2015). Stress and Bronchodilator Response in Children with Asthma. American Journal of Respiratory and Critical Care Medicine 192:47-66.
8. **Marsland, A. L.,** Gianaros, P. J., Kuan, D. C. H., Sheu, L. K., Krajina, K., & Manuck, S. B. (2015). Brain morphology links systemic inflammation to cognitive function in midlife adults. Brain, Behavior, and Immunity. 48:195-204.
9. Long, K. A.\*, Goldish, M., Lown, E. A., Ostrowski, N. L., Alderfer, M. A., **Marsland, A. L**., Ring, S., Skala, S. & Ewing, L. J. (2015). Major Lessons Learned From a Nationally-Based Community-Academic Partnership: Addressing Sibling Adjustment to Childhood Cancer. Families, systems & health: The journal of collaborative family healthcare 33:61-7.
10. Long, K. A.\*, **Marsland, A. L.**, Wright, A., & Hinds, P. (2015). Creating a Tenuous Balance Siblings’ Experience of a Brother’s or Sister’s Childhood Cancer Diagnosis. Journal of Pediatric Oncology Nursing. 32:21-31.
11. Ramratnam, S.\*, Han, Y-Y, Rosas-Salazar, C., Forno, E., Brehm, J.M., Rosser, F., **Marsland, A.L.**, Colón-Semidey, A., Alvarez, M., Miller, G.E., Acosta-Pérez, E., Canino, G., & Celedón, J.C. (2015) Exposure to Gun Violence and Asthma in Puerto Rican Children. Respiratory Medicine 109:975-81.
12. Taren, A.A.\*, Gianaros, P.J., Greco, C.M., Lindsay, E.K.\*, Fairgrieve, A., Brown, K.W., Rosen, R.K., Ferris, J.L., Julson, E., **Marsland, A.L.**, Creswell, J.D. (2015) Mindfulness Meditation Training Increases Resting State Functional Connectivity between Dorsolateral Prefrontal Cortex and Frontoparietal Control Regions: A Randomized Controlled Trial. Social, Cognitive and Affective Neuroscience 10:1758-68.
13. Messay, B.\*, & **Marsland, A.L**. (2015). Goal adjustment ability predicts magnitude of emotional and physiological responses to an unsolvable anagram task. Personality and Individual Differences 86: 417-421.
14. Muldoon, M., Laderian, B., Kuan, D., Sereika, S., **Marsland, A.L.**, Manuck, S. (2016). Fish oil supplementation does not lower C-reactive protein or interleukin-6 in healthy adults. Journal of Internal Medicine. 279:98-109.
15. Dermody, S.\*, Wright, A.G., Miller, K.\*, Muldoon, M.F., Flory, J., Gianaros, P.J., **Marsland, A.L**., & Manuck, S.B. (2016). Personality Correlates of Midlife Cardiometabolic Risk: The Explanatory Role of Higher-Order Factors of the Five Factor Model. Journal of Personality. 84:765-776.
16. John-Henderson, N.A.\*, **Marsland, A.L.**, Kamarck, T., Muldoon, M.F., & Manuck, S.B. (2016). Childhood SES and the Occurrence of Recent Negative Life Events as Predictors of Circulating and Stimulated Levels of Interleukin-6. Psychosomatic Medicine. 78:91-101.
17. Gianaros, P.J., Kuan, D. C-H, **Marsland, A.L**., Sheu, L.K., Hackman, D.A.\*, Miller, K.G.\*, Manuck, S.B. (2017) Community socioeconomic disadvantage in midlife relates to cortical morphology via neuroendocrine and cardiometabolic pathways. Cerebral Cortex. 27:460-73.
18. Han, Y.Y.\*, Forno, E., **Marsland, A.L.,** Miller, G.E., & Celedon, J. (2016). Depression, asthma and bronchodilator response in a nationwide study of U.S. adults. Journal of Allergy and Clinical Immunology. 4:68-73.
19. Melhem, N., Munroe, S., **Marsland, A**., Gray, K., Brent, D., Porta, G., Douaihy, A., Laudenslager, M.L., DiPietro, F., Diler, R., Driscoll, H. & Gopalan, P. (2017). Blunted HPA axis activity prior to suicide attempt and increased inflammation in attempters. Psychoneuroendocrinology 77:284-294.
20. Miller, K.\*, Wright, A.G., Peterson, L.M., Kamarck, T.W, Anderson, B.A., Kirschbaum, C., **Marsland, A.L.**, Muldoon, M.F., Manuck, S.B. (2016) Trait Emotionality and Cortisol. Psychoneuroendocrinology. 68:177-85.
21. Creswell J.D., Taren A.A.\*, Lindsay E.K.\*, Greco C.M., Gianaros P.J., Fairgrieve A, **Marsland A.L.**, Brown K.W., Way B.M., Rosen R.K., Ferris J.L. (2016). Alterations in Resting State Functional Connectivity link Mindfulness Meditation with Reduced Interleukin-6. Biological Psychiatry 80:53-61.
22. Sherwood P.R., Price T.J., Weimer J., Ren D., Donovan H.S., Given C.W., Given B.A., Schulz R., Prince J., Bender C., Boele F.W., **Marsland A.L.** (2016) Neuro-oncology family caregivers are at risk for systemic inflammation. Journal of Neurooncology. 128:109-118.
23. Lockwood, K.G.\*, **Marsland A.L**., Cohen, S., Gianaros, PJ. (2016). Sex differences in the association between stressor evoked interleukin-6 reactivity and C-reactive protein. Brain, Behavior and Immunity 58:173-180.
24. Bajaj, A.\*, John-Henderson, N.A.\*, Cundiff, J.M., **Marsland, A.L.,** Manuck, S.B. Kamarck, T.W. (2016). Daily social interactions, close relationships, and systemic inflammation in two samples: Healthy middle aged and older adults. Brain, Behavior and Immunity 58: 152-164.
25. Jakubowski, K.\*, **Marsland, A.L.**, Hall, M., Matthews, K.A. (2016). Is daytime napping associated with inflammation in adolescents? Health Psychology 35:1298-1306.
26. **Marsland, A.L**., Kuan D.C-H., Sheu, L.K., Krajina, K., Kraynak, T.E., Manuck, S.B., Gianaros, P.J. (2017). Systemic inflammation and resting state connectivity of the default mode network. Brain, Behavior and Immunity 62:162-170.
27. Taren, A.\*, Gianaros, P.J., Greco, C.M., Lindsay, E., Fairgrieve, A., Brown, K.W., Rosen, R., Ferris, J., Julson, E., **Marsland, A.L.,** Creswell, D. (2017). Mindfulness meditation training and executive control network resting state functional connectivity: A randomized controlled trial. Psychosomatic Medicine 79:674-683.
28. **Marsland A. L.,** Walsh, C.\*, Lockwood, K.\*, John-Henderson, N.A.\* (2017). The effects of acute psychological stress on circulating and stimulated inflammatory markers: A systematic review and meta-analysis. Brain, Behavior and Immunity 64:208-219.
29. Stillman, C.M.\*, Weinstein, A.M., **Marsland, A.L**., Gianaros, P.J., Erickson, K.I (2017). Body-brain connections: The effects of obesity and behavioral interventions on neurocognitive aging. Frontiers of Aging Neuroscience 9:115-.
30. Oberlin, L.\*, Waiwood, A., Cumming, T., **Marsland, A.L**., Bernhardt, J., Erickson, K. (2017). Effects of physical activity on post-stroke cognitive function: a meta-analysis of randomized controlled trials. Stroke 48:3093-3100.
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*\* denotes Trainee author*

###### **Reviews, Invited Papers, Books and Chapters**

1. Bachen, E.B., Cohen, S., & **Marsland, A.L.**  Psychological Foundations: Psychological stress and the immune system. *Cambridge Handbook of Psychology, Health and Medicine* 1998 (Revised 2004)
2. **Marsland, A.L.**, Bachen, E. B. Cohen, S. Role of psychology in the common cold. *Cambridge Handbook of Psychology, Health and Medicine* 1998 (Revised 2004)
3. Bachen, E., **Marsland, A.L.,** Manuck, S.B., & Cohen, S. Psychological factors in immunity. *Handbook of Immune Modulating Agents.* 1998
4. **Marsland, A.L.,** Bachen, E.A., Cohen, S., & Manuck, S.B. Stress, immunity and susceptibility to infectious disease*. Handbook of Health Psychology*. Ed: Andrew Baum. 2000:683-695
5. **Marsland, A.L**., Ewing, L., & Thompson, A. (2006). Psychological and Social Effects of Surviving Childhood Cancer. In Pediatric Hematology/Oncology: A Biopsychosocial Approach. Ed: Ronald T. Brown. Oxford University Press: New York
6. **Marsland, A.L.**, Bachen, E. B. Cohen, S. Role of psychology in the common cold. *Cambridge Handbook of Psychology, Health and Medicine* (in press) In S. Ayers, A. Baum, C. McManus, S. Newman, K. Wallston, J. Weinman & R. West (Eds) Cambridge Handbook of Psychology, Health and Medicine (2nd Edition). Cambridge UK: Cambridge University Press.
7. **Marsland, A**., Cohen, S., & Pressman, S. (2006).  Positive affect and immunity.  In Ader, R. (2006). Psychoneuroimmunology, 4th ed. Elsevier, San Diego, CA
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11. **Marsland, A.L**., Bachen, E.A., & Cohen, S. Stress, Immunity and Susceptibility to Upper Respiratory Infectious Disease (2012) In *Handbook of Health Psychology*. Ed: Andrew Baum.
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13. Lim, A.\*, & **Marsland, A.L. (**2014). Peripheral proinflammatory cytokines and cognitive aging: The role of metabolic risk. In “ Handbook of Psychoneuroimmunology.” Eds. Kusnecov, A., & Anisman, H.
14. Lim, A.\*, **Marsland, A.L.,** and Krajina K. (2013). Peripheral inflammation and cognitive aging. In “Inflammation in Psychiatry.” Eds. Halaris, A., & Leonard, B.E.
15. Lockwood, K.G.\*, Walsh, C.P.\*, Bachen, E.A., **Marsland, A.L.** (in press). Psychoneuroimmunology. Cambridge Handbook of Psychology, Health and Medicine. (3rd Edition). Cambridge UK: Cambridge University Press
16. Walsh, C.P.\*, Lockwood, K.L.\*, **Marsland, A.L.,** & Bachen E.A. (In press). Psychoneuroimmunology Assessment. Cambridge Handbook of Psychology, Health and Medicine. (3rd Edition). Cambridge UK: Cambridge University Press
17. Jones EJ\*, Natale BN\*, & Marsland AL (In press). Biological Determinants – Physiology of Health and Illness. In Handbook of Health Psychology. 2nd Edition. Sage.

*\* denotes student author*

**Journal Articles Under Review:**

1. Lockwood, K.G.\*, Gianaros, P.J., Matthews, K.A, & **Marsland, A.L**. Daily diary discrimination, sleep, and blood pressure in community adults.
2. Jones, EJ\*.; Marsland, AL; Gianaros, P. Do trait-level emotion regulation strategies moderate associations between retrospective reports of childhood trauma and prospective changes in systemic inflammation (Revise and resubmit)
3. Thoma BC et al. Risk for Suicidal Behavior Following Psychiatric Hospitalization among Sexual and Gender Minority Young Adults (under review)
4. Hidalgo et al. Exercise, Brain, and Cardiovascular Health – eBACH Study: Protocol for a randomized clinical trial examining cardiovascular and brain health outcomes (Revise and Resubmit)
5. Jones EJ, Marsland AL, Kraynak TE, Votruba-Drzal E, Gianaros PJ. Subjective social status and longitudinal changes in systemic inflammation (under review)
6. Lindsay E, Marsland AL, Cole S, Dutcher, JM, Greco CM, Wright AGC, Brown KW, Creswell, JD. (Under review). Mindfulness-Based Stress Reduction reduces pro-inflammatory gene regulation but not systemic inflammation among older adults: A randomized controlled trial.
7. Basarrate S, Monzel AS, Smith J, Marsland A, Trumpff C, Picard M. (Under review) Glucocorticoid and adrenergic receptor distribution across human organs and tissues: a map for stress transduction.
8. Ringwald W, Nielsen S, Mostajabi J, Vize C, van den Berg T, Manuck S, Marsland A, &Wright A. (Under review). Characterizing Stress Processes by Linking Big Five Personality States, Traits, and Day-to-Day Stressors.
9. Lesnovskaya A, Keys CM, Burzynska AZ, Brown BM, Stillman CM, Kamarck TW, Marsland AL, Reed RG, Jenkins A, Erickson KI. (Under Review). A Systematic Review of the Relationship Between Physical Activity, Cardiorespiratory Fitness, and White Matter Microstructure in the Aging Brain

*\* denotes student author*

**Conference Presentations:**

1. Bachen, E.A., Cohen, S., **Marsland, A.L.**, Rabin, B.S., Herbert, T.B., & Manuck, S.B. Dispositional optimism predicts cellular-immune responses to stress. Presented at the Research Perspectives in Psychoneuroimmunology IV conference, 1993
2. Herbert, T.B., Cohen, S., **Marsland, A.L.**, Bachen, E.A., Rabin, B.S., Muldoon, M.F., & Manuck, S.B. Immune response following a laboratory stressor in male and female cardiovascular reactors and non-reactors. Presented at the Research Perspectives in Psychoneuroimmunology IV conference, 1993
3. Herbert T.B., Cohen, S., **Marsland, A.L.**, Bachen, E., Rabin, Muldoon, M.F., & Manuck, S.B. Course of Immune Response in male and female cardiovascular reactors and non-reactors. Presented at the Annual Meeting of the American Psychosomatic Society, 1993.
4. **Marsland, A.L.**, Graham, R., Bachen E.B., Rabin, B.S., Cohen, S., & Manuck, S.B. Fitness as a predictor of cellular immune response to mental stress. Presented at the Research Perspectives in Psychoneuroimmunology IV conference, 1993
5. **Marsland, A.L**., Manuck, S.B., Rabin, B.S., & Cohen, S. Beta-adrenergic receptor density as a predictor of cardiovascular response to mental stress. Presented at the Fourteenth Annual Meeting of the Society of Behavioral Medicine, 1993. Annals of Behavioral Medicine, 1993, 15, S169 (Abstract).
6. **Marsland, A.L.**, Fazzari, T.V., Stewart, C.J., Rabin, B.S., & Manuck, S.B. Stability of individual differences in cellular immune responses to acute psychological stress. Presented at the research Perspectives in Psychoneuroimmunology V conference, 1994
7. Manuck, S.B., Bachen, E.A., Herbert, T.B., **Marsland, A.L.**, Cohen, S., & Rabin, B.S. Effects of acute stress on cellular immune function. Presented at the Third International Congress of Behavioral Medicine, Amsterdam, 1994.
8. **Marsland, A.L.**, Patterson, S.M., Muldoon, M.F. & Manuck, S.B. Effects of mental stress on lymphocyte subset redistribution: the need to assess plasma volume changes. Presented at the Sixteenth Annual Meeting of the Society of Behavioral Medicine, 1995. Annals of Behavioral Medicine, 1995, 17, S82 (Abstract).
9. Muldoon M.F., Flory, J.D., **Marsland, A.L.**, Manuck, S.B., Whiteside, T.L. & Rabin, B.S. Effects of lovastatin on the immune system. The 4th International Conference on Preventive Cardiology, Montreal, June 1997. Canadian Journal of Cardiology 1997;13 (Suppl B):95B
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11. Feldman, P., Cohen, S., Matthews, K., Kamarck, T., **Marsland, A**. & Lepore, S. The roles of cognitive appraisal and emotion in cardiovascular response to acute laboratory stress. Presented at the Eighteenth Annual Meeting of the Society of Behavioral Medicine, 1997.
12. **Marsland, A.L**., Cohen, S., Rabin, B.S., & Manuck, S.B. (1998). Acute immune reactivity among extroverts and introverts. Presented at the Nineteenth Annual Meeting of the Society for Behavioral Medicine, New Orleans, March 1998
13. **Marsland, A**.L., Henderson, B. N., & Baum, A. (2002). Stability of individual differences in cellular immune responses to laboratory tasks. Presented at the 60th Annual Scientific Meeting of the American Psychosomatic Society, Barcelona, Spain, March, 2002.
14. Thompson, A\*, **Marsland, A**., Ewing L., & Witherspoon, D. (2004). A stress management intervention for families of children newly diagnosed with leukemia and lymphoma. Presented at the National conference on Child Health Psychology, Charelston, SC.
15. **Marsland, AL** & Ewing, L. (2003). A Stress Management Intervention for Children with Leukemia or Lymphoma and their Families. Children’s Oncology Group Meeting, Dallas, Tx.
16. Prather, A.A.\*, **Marsland, A.L**., Sathanoori, R., Suchoza, E., & Defeo, J. (2005). Cellular immune responses to acute stress in older individuals. Presented at the 63rd Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC, Canada.
17. Cyranowski, J.M., **Marsland, A.L**., Bromberger, J., Matthews, K.A., Whiteside, T.L., (2005). Depressive symptoms are associated with diminished production of proinflammatory cytokines by peripheral blood mononuclear cells in midlife women. Presented at the 63rd Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC, Canada.
18. Janicki, D.L.\*, Kamarck, T.W. & **Marsland, A.L**. (2005). Chronic stress and chronic inflammationL Critical review of a new literature. Presented at the 63rd Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC, Canada.
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20. **Marsland, A.L.,** Petersen, K.\*, Sathanoori, R., Neumann, S., Muldoon, M., & Manuck, S. **(2005).** Interleukin-6 is related to Cognitive Performance in Mid-Life Community Adults. (2005). Poster presented at the 12th Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Denver, CO.
21. **Marsland, A.L.,** Sathanoori, R., Muldoon, M.F., & Manuck, S.B. (2006). Stimulated production of interleukin-8 covaries with psychosocial risk factors for inflammatory disease among middle-aged community volunteers. Paper presented at the 13th Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Miami Beach, FL.
22. Prather, A.A.\*, Muldoon, M.F., Manuck, S.B., **Marsland, A.L.** (2006). Trait positive affect covaries with stimulated IL-6 and IL-10 production in a middle-aged community sample. Poster presented at the 13th Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Miami Beach, FL
23. **Marsland, A.L.,** Capuron, L., Maier, S.F., & Yirmiya, R. (2006) Immune-to-brain communication: The influence of cytokines on brain activity and cognitive function. Chair of symposium presented at the 64th Annual Scientific Meeting of the American Psychosomatic Society, Denver, CO.
24. **Marsland, A.L.,** Petersen, K.L.\*, Flory, J.D., Muldoon, M.F., Neumann, S.A., & Manuck, S.B. Interleukin-6 covaries inversely with cognitive performance among middle-aged community volunteers (2006). Paper presented at the 64th Annual Scientific Meeting of the American Psychosomatic Society, Denver, CO.
25. Prather, A.A.\*, Kravetz, C., Ross, D., Fury, J., **Marsland, A.L.** (2006). Perceived stress is associated with the magnitude of cellular immune response to acute laboratory stress. Poster presented at the 64th Annual Scientific Meeting of the American Psychosomatic Society, Denver, CO.
26. Thompson, A.L.\* & **Marsland, A.L.** (2007) Discrepant Findings from a Multi-Method Study of Close Relationships among Young Adult Survivors of Childhood Cancer. Poster presented at SRCD Biennial Meeting, Boston, MA.
27. Prather, A.A.\*, **Marsland, A.L.,** Muldoon, M.F., & Manuck, S.B. (2007). The association between positive affective style and IL-6 production is mediated by tonic vagal activity in a middle-aged community sample. Poster presented at the 14th Annual Scientific Meeting of the Psychoneuroimmunology Research Society, Arcachon, France
28. Prather, A.A.\*, **Marsland, A.L.,** Hall, M., Muldoon, M.F., Manuck, S.B. (June 2007). Normative variation in self-reported sleep quality and stimulated pro-inflammatory cytokine production. Annual Western Psychiatric Institute and Clinic Research Day, Pittsburgh,PA.
29. **Marsland, A.L.,** Flory, J.D., Muldoon, M.F., & Manuck, S.B. (2007). Chronic Inflammation and Cognitive Function among Mid-Life Adults. Paper presented at the 65th Annual Scientific Meeting of the American Psychosomatic Society, Budapest, Hungary.
30. **Marsland, A.L.**, Gianaros, P.J., Prather, A.A.\*, Jennings, J.R., Neumann, S.A.\*, & Manuck, S.B. (2007). Stimulated production of proinflammatory cytokines covaries inversely with heart rate variability. Poster presented at the 65th Annual Scientific Meeting of the American Psychosomatic Society, Budapest, Hungary.
31. **Marsland, A.L**., Prather, A.A.\*, McDade, K., Fury, J., & Ross D. (2008). Autonomic responses to acute laboratory stress covary with inflammatory competence [Abstract]. American Psychosomatic Society, Baltimore, MD.
32. Halder, I.\*, **Marsland, A.,** Muldoon, M.F., Ferrell, R.E., Manuck, S.B. (2008). Variation in the *CRP* gene modifies the association between depression and circulating CRP [Abstract]. American Psychosomatic Society, Baltimore, MD.
33. **Marsland, A.L**., Gianaros, P.J., Brown, S.M., Manuck, S.B., Hariri, A.R. (2008). Interleukin-6 covaries inversely with hippocampal grey matter volume in middle-aged adults. [Abstract]. American Psychosomatic Society, Baltimore, MD.
34. Long, K.A.\*, **Marsland, A.L**., Thompson, A.\*, & Ewing, L.J. (2008). A Stress-Management Intervention Improves Lung Function, Perceived Stress, and Mood in Children with Moderate, Persistent Asthma. [Abstract]. National Conference on Child Health Psychology, Miami, FL.
35. Alderfer, M.A., Long, K.A.\*, Lown, A., Ewing, L.J., Hock, J., Ostrowski, N., & **Marsland, A**. (2008). Development of a Research Agenda to Understand and Serve the Needs of Siblings of Children with Cancer: A Systematic Review. [Abstract]. American Psychosocial Oncology Society Annual Conference, Irvine, CA.
36. Ewing, L.J., **Marsland, A.L**., Howe, C., Thompson, A.\*, & Long, K.A.\* (2008) Parent Distress Is Inversely Associated With Perceived Social Support From Peers Among Children And Adolescents Newly Diagnosed With Cancer. [Abstract]. American Psychosocial Oncology Society Annual Conference, Irvine, CA.
37. Carroll, J.E.\*, Prather, A.A.\*, **Marsland, A.L**., Baum, A. (May 2008). Inflammatory activity of the neutrophil is elevated during exam stress. Presented at the meeting of the Psychoneuroimmunology Research Society; Madison, Wisconsin.
38. Carroll, J.E.\*, Prather, A.A.\*, Fury, J., McDade, K., Ross, D., **Marsland, A.L.** (March 2008). Anger responses to acute stress predict changes in IL-6. American Psychosomatic Society, Baltimore, Maryland
39. Prather, A.A.\*, **Marsland, A.L.,** Hall, M., Muldoon, M.F., Manuck, S.B. (March, 2008). Normative variation in self-reported sleep quality and sleep debt is a associated with stimulated pro-inflammatory cytokine production. Presented at the annual meeting of the American Psychosomatic Society, Baltimore, Maryland.
40. Carroll, JE\*, **Marsland, AL**, Jenkins, F, Baum, A, Muldoon, M, Manuck, SB. Urinary 8-hydroxy-2\'-deoxyguanosine (8-OHdG) Covaries positively with hostility among mid-life community volunteers. Presented in poster session at the American Psychosomatic Society Meeting, March 2008.
41. **Marsland, A.L**., Prather, A.A.\*, Petersen, K.A.\*, Cohen, S., & Manuck, S.B. (June, 2008). Antagonistic characteristics are positively associated with inflammatory markers independently of train negative emotionality. Paper presented at the annual meeting of the Psychoneuroimmunology Research Society, Madison, Wisconsin.
42. Carroll, J.E.\*, Prather, A.A.\*, Fury, J., McDade, K.K., Ross, D., **Marsland A.L**. (March 2009). Body mass index accounts for the inverse association between socioeconomic status and systemic inflammation. Poster presented at the annual meeting of the American Psychosomatic Society, Chicago. IL.
43. Prather, A.A.\*, Carroll, J.E.\*, Fury, J., McDade, K.K., Ross, D. & **Marsland A.L. (**March 2009). Gender differences in stimulated cytokines production following acute psychological stress. Paper presented at the annual meeting of the American Psychosomatic Society, Chicago, IL.
44. Long, K.\*, Ewing, L.J., Alderfer, M., & **Marsland, A.L.** (2009) Stress and coping in siblings of pediatric cancer patients. Poster presented at the Society for research in Child Development, Denver, CO.
45. Ewing, L.J., Long, K.\*, & **Marsland, A.L.** (2009). Social support moderates the impact of a stress management intervention on depressive symptoms in parents of child cancer patients. Poster presented at the Society for Research in Child Development, Denver, CO.
46. Long, KA.\*, Ganley, M.A., Ewing, L.J., & **Marsland, AL.** (2009). A stress management intervention improves lung function, perceived stress, and mood in children with asthma. Award poster presented at the Society for Behavioral Medicine, Montreal, QB.
47. **Marsland, A.L**., Howe, C.L., McDade, K.K., Prather, A.A.\*, Long, K.A.\*, & Ewing L.J. (2009). Distress among mothers of children newly diagnosed with cancer covaries positively with inflammatory responses at 3 month follow-up. Award paper presented at the Society for Behavioral Medicine, Montral QB.
48. Woodard, G.A.\*, Gianaros, P.J., **Marsland, A.L.,** Barinas-Mitchell, E., & Sutton-Tyrrell, K. (2010). Autonomic and inflammatory predictors of subclinical cardiovascular disease. Paper presented at 50th Cardiovascular Disease Epidemiology and Prevention - and - Nutrition, Physical Activity and Metabolism Conference, San Francisco, CA
49. Ewing, L.J., Long, K.\*, & **Marsland, A.L**. (2009). Social support moderates the impact of a stress management intervention on depressive symptoms in parents of child cancer patients. Poster presented at the Society for Research in Child Development, Denver, CO.
50. Carroll, J.E.\*, Horenstein, J.A.\*, Fury, J., Ross, D., Cohen, S., **Marsland, A.L.(**2010). Childhood socioeconomic status is inversely associated with circulating Interleukin-6. Poster presented at the annual meeting of the American Psychosomatic Society, Portland, OR.
51. Long, K.\*, Alderfer, M., Ewing, L., & **Marsland, A**. Siblings of child cancer patients: Stress and psychological outcomes. Poster presented at the 7th annual meeting of the American Psychosocial Oncology Society, New Orleans, LA.
52. Long, K.A.\*, & **Marsland, A.L**. (2010). Family Adjustment to Childhood Cancer: A Systematic Review. Poster to be presented at the 42nd Congress of the International Society of Pediatric Oncology, Boston, MA.
53. Goldstein BI, Collinger KA, Gill MK, Lotrich F, **Marsland A**, Axelson DA,Birmaher, B. (2010). Association between Inflammatory Cytokines and Brain-Derived Neurotrophic Factor among Adolescents with Bipolar Disorder. Award poster presented at the 65th annual meeting of the Society for Biological Psychiatry, New Orleans, LA.
54. NeSmith, EG\*, Catravas, JD, **Marsland, AL,** Alexander, SA, Hawkins, ML, Medeiros, RS. (2009). The influence of accelerated biologic aging, chronic stress, and inflammatory response on outcomes following trauma. Poster presented at the Psychoneuroimmunology (PNI) Research Society Meeting, Breckenridge, CO
55. Ewing, L.J., & **Marsland, A.L.** (2010). Developing and implementing family centered interventions: Challenges experienced, solutions identified. Symposium presented at the 31st annual meeting of the Society for Behavioral Medicine. Seattle, WA.
56. Fedele KM\*, Steel JL, **Marsland A**, Youssef M, Ramirez J, Probst C, Pfeifer R, Zelle B, Sittaro NA, Khalifa F, Pape HC. (2011). Predictors and consequences of depressive symptoms in polytrauma patients 10 or more years after injury. Annual Meeting for the Society of Behavioral Medicine, Washington, DC, April 27-30, 2011.
57. Yonas, M.A.\*, Burke, J.G., Rak, K., Kelly, V.M., Moore, R.S., **Marsland, A.L**., & Wenzel, S. (2011). Asthma, Neighborhood Context, and Stress: Exploring community perceptions of contextual Influences on Childhood Asthma. Poster presented at the Annual meeting of the American Thoracic Society, May 13-18, 2011, Denver, CO
58. Yonas, M.A.\*, **Marsland, A.L.,** Chen, G., Moore, C., & Wenzel, S. (2011) Asthma Severity is Associated with Depression Independent of Asthma Control. Poster presented at the Annual meeting of the American Thoracic Society, May 13-18, 2011, Denver, CO
59. Yonas, M.A.\*, Burke, J.G., Rak, K., Kelly, V.M., Moore, R.S., **Marsland, A.L.,** & Wenzel, S. (2011). Asthma, Neighborhood Context, and Stress: Exploring community perceptions of contextual Influences on Childhood Asthma. Poster presented at the Institute for Clinical Research Education, April, 2011, Washington, DC.
60. Long, K.A.\*, Alderfer, M.A., & **Marsland, A.L.** (2011). Family Functioning and Parenting: Predictors of Sibling Adjustment to Childhood Cancer. Poster presented at the Society for Research in Child Development, March 31-April 2, 2011, Montreal, Canada.
61. Carroll, J.E.\*, **Marsland, A.L**., Ferrell, R., & Manuck, S.B. (2011). Educational attainment is positively associated with telomere length, a marker of cellular age. Citation poster presented at the Annual Meeting of the American Psychosomatic Society (APS), March 9-12, 2011, San Antonio, Texas.
62. Franzen, P.L.\*, Gianaros, P.J., **Marsland, A.L.**, Hall, M.H., Siegle, G.J., Dahl, R.E., Buysse, D.J. (2011). Sleep deprivation and mental stress amplify surges in blood pressure. Poster presented at the Annual Meeting of the Associated Professional Sleep Societies, June 11-15, 2011, in Minneapolis, Minnesota.
63. Bovbjerg, D., Land, S.R., **Marsland, A.L**., Belin, S., Manculich, J., Weng, Y., and Jenkins, F.J. (2011). Stress-induced Increases in Plasma Adipokine Levels in Healthy Women. Presented at the Annual Meeting of the Society of Behavioral Medicine, April 27-30, 2011, Washington, DC.
64. **Marsland, A.L.**, Long, K.\*, Cohen, S., Skoner, D., Ewing, L. & Gentile, D. (2011). Feasibility of a stress management intervention for 7-12 year olds with asthma. Symposium paper presented at the Annual Meeting of the American Psychosomatic Society (APS), March 9-12, 2011, San Antonio, Texas.
65. Prather, A.A.\*, Hall, M., Fury, J.M., Ross, D.C., & **Marsland, A.L.** (2011). Sleep duration and antibody response to hepatitis B vaccination. Symposium paper presented at the Annual Meeting of the American Psychosomatic Society (APS), March 9-12, 2011, San Antonio, Texas.
66. Bovbjerg, D.H., Jenkins, F.J., Land, S.R., **Marsland, A.L**., & Weng, T. (2011). Circulating adipokine levels are increased by acute stress. Paper presented at the Annual Meeting of the American Psychosomatic Society (APS), March 9-12, 2011, San Antonio, Texas.
67. Franzen PL\*, Gianaros PJ, **Marsland AL**, Hall MH, Siegle GJ, Dahl RE, Buysse DJ (2011): Sleepless nights and stressful days: Sleep deprivation and mental stress amplify surges in blood pressure. *Sleep,* 34S, A67
68. Crittenden, C.N.\*, Carroll, J.E.\*, Cohen, S., & **Marsland, A.L**. Associations between cortisol reactivity after a stressor and diurnal cortisol levels in Mid-life adults. Poster presented at the Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), June, 2012, San Diego, CA.
69. **Marsland, A.L.,** Krajina, K., & Gianaros, P.J. Systemic Inflammation and the Integrity of Brain White Matter Tracts. Paper presented at the Annual Meeting of the Psychoneuroimmunology Research Society (PNIRS), June, 2012, San Diego, CA.
70. Joy, L.\*, **Marsland, A.L**., Ewing, L., Vaisleib, A., & Goldish, M. Association of parental distress and impairment from post-traumatic stress among siblings of pediatric cancer patients. Poster presented at the Midwest Regional Conference on Pediatric Psychology, April 2012, Milwaukee, WI.
71. Yonas, M.A.\*, **Marsland, A.L.,** Gu, C., Moore, C., & Wenzel S. Depressive symptomatology among adults with asthma: The role of asthma severity. Poster presented at the American Thoracic Society’s annual meeting in May, 2012, San Francisco, CA.
72. Yonas, M.A.\*, Burke, J.G., Rak, K., Moore, R., **Marsland, A.L.,** & Wenzel, S. Asthma, Neighborhood Violence and Stress: Exploring Community Perceptions of Contextual Influences on Childhood Asthma. Poster presented at the American Thoracic Society’s annual meeting in May, 2012, San Francisco, CA.
73. Yonas, M.A.\*, Rak, K., Aujla, S., Arrington, A., Asante, P., **Marsland, A.L**., & Wenzel, S. Asthma, Neighborhood Stress, and CBPR: Engaging Community and Healthcare Provider Perceptions of Contextual Influences on Childhood Asthma. Paper presented at the annual meeting of the American Public Health Association, October 2011, Washington, DC.
74. Crittenden, C.N.\*, Carroll, J.E.\*, Cohen, S., & **Marsland, A.L.** Early life socioeconomic status and diurnal cortisol among mid-life adults: Adolescence as a critical period for HPA programming. Poster presented at the annual meeting of the American Psychosomatic Society, April, 2012, Athens, Greece.
75. Gilbertson-White, S.\*, Donovan, H.A.S., **Marsland, A.L**., & Sherwood, P.R. TNF alpha phenotypes and symptoms of stress in caregivers of persons with primary malignant brain tumors. Paper presented at the Connections: Advancing Care Through Science Conference in Phoenix, Arizona, November 2012.
76. Szigethy, E., Jones, N., Kirshner, M., Newara, M., McCarthy, N., Youk, A., Keljo, D., **Marsland, A.,** Young, E., & Siegle, G. Can Humans Cognitively Conquer the Brain Effects of Inflammatory Bowel Disease? Poster presented at the NIH Innovator meeting in Bethesda, MD, September 2012.
77. Schmidt, J.E., Belin, S., Kamarck, T.W., **Marsland, A.L**.,& Bovbjerg, D.H. Higher Autonomic Reactivity to Acute Stress in Healthy Women with Family Histories of Breast Cancer. Poster presented at the 34th annual meeting of the Society for Behavioral Medicine, San Francisco, CA, March 2013.
78. Bovbjerg, D.H., Belin, S., Kamarck, T.W., Manculich, J., **Marsland, A.L**., & Neal L. Intrusive thoughts about breast cancer in healthy women are associated with higher perceptions of future risk of developing the disease, as well as with past experience with the disease in close relatives. Paper presented at the 34th annual meeting of the Society for Behavioral Medicine, San Francisco, CA, March 2013.
79. Gianaros, P.J., **Marsland, A.L.,** Hariri, A.R., Kuan, D., Jennings, J.R., Gross, J.J., & Manuck, SB. Cognitive reappraisal in brain relates to silver lining of arteries. Paper presented at the annual meeting of the American Psychosomatic Society, April, 2013, Miami, FL.
80. Ramratnam, S.K.\*, Rosas-Salazar, C., Brehm, J.M., Han, Y-Y, Chen, W., **Marsland, A.L.**, Colón-Semidey, A., Alvarez, M., Acosta-Pérez, E., Canino, G., & Celedón, J.C. Perceived Stress and Bronchodilator Responsiveness in Puerto Rican Children with Asthma. Poster presented at the annual meeting of the American Thoracic Society, Philadelphia, PA May 2013.
81. Schmidt, J.E., Jenkins, F.J., **Marsland, A.L**.,& Bovbjerg, D.H. Health women at familial risk for breast cancer evidence alterations in sympathovagal balance in an experimental stress study. Poster presented at the annual meeting of the American Psychosomatic Society, April, 2013, Miami, FL.
82. Yonas, M.\*, Wilson, S.A., Grey, R., Rak, K., Moore, R., Hogan, J., **Marsland, A.L**., & Wenzel S. Asthma And Stress: Community And Provider Perceptions of Influences On Childhood Asthma Through Concept Mapping. Poster presented at the 46th STFM Annual Spring Conference, May 2013 in Baltimore, Maryland.
83. Long, K.\*, Goldish, M., Lown, A.,Ostrowski, N., Alderfer, M., **Marsland, A**., Ring, S., Skala, S., & Ewing, L. Lessons Learned from a Nationally-Based Community-Academic Partnership: Addressing Sibling Adjustment to Childhood Cancer. Poster presented at the National Conference in Pediatric Psychology, New Orleans, LA, April, 2013.
84. Messay, B.\*, **Marsland, A.L**., Vaisleib, A.D., Ewing, L.J. Individual differences in emotion regulation strategies among mothers with a child recently diagnosed with cancer and its implications for psychological health. Poster presented at the National Conference in Pediatric Psychology, New Orleans, LA, April, 2013.
85. Messay, B.\*, **Marsland, A.L**., Vaisleib, A.D., Ewing, L.J. Individual difference in coping strategies predicts psychosocial adjustment among mothers with a child recently diagnosed with cancer. Poster presented at the 34th annual meeting of the Society for Behavioral Medicine, San Francisco, CA, March 2013.
86. Lim, A.,\* **Marsland, A.L**., & Manuck, S.B. A Single Nucleotide Polymorphism in the Glucocorticoid Receptor (GR-9) Gene Moderates an Inverse Association of Sleep Duration with Inflammation. Poster presented at the annual meeting of the American Psychosomatic Society, April, 2013, Miami, FL.
87. Schmidt, J.E., Ahrendt, G.M., Balk, J.L., Belin, S.C., Jenkins, F.J., Kamarck, T.W., **Marsland, A.L**., Manculich, J., Pulenthiran, A.A., and Bovbjerg, D.H. Preliminary Evidence for Reduced Inhibition of Sympathetic Responses to Acute Stress Challenges in Healthy Women with Family Histories of Breast Cancer. Poster presented at the Annual Department of Medicine Research Day, May 2013, University of Pittsburgh, Pittsburgh PA.
88. Brehm, J.M., Ramratnam, S.K., Tse, S,M, Rosas-Salazar, C., Litonjua, A.A., Raby, B.A., Han, Y-Y, Chen, W., Forno, E., **Marsland, A.L.,** Colón-Semidey, A., Alvarez, M., Acosta-Pérez, E., Obeidat, M., Bossé, Y., Postma, D.S., Hao, K., Avila, L., Weiss, S.T., Soto-Quiros, M., Canino, G., and Celedón, J.C. ADCYAP1R1 Polymorphisms and Bronchodilator Responsiveness in Puerto Rican Children. Presented at the annual meeting of the American Thoracic Society, May 2014, San Diego.
89. Messay, B.\*, **Marsland, A.L**. Goal adjustment ability predicts magnitude of emotional and cardiovascular reactivity to an unsolvable anagram task. Poster presented at the annual meeting of the Society for Behavioral medicine, April 2014, Philadelphia.
90. Sheu, L.K., **Marsland, A.L.,** and Gianaros, P.J. Antioxidant and inflammatory pathways link socioeconomic position to brain morphology. Presented at the Human Brain Mapping Conference, 2014.
91. Lockwood, K.G.,\* **Marsland, A.L**., Manuck, S.B., Muldoon, M.F., & Gianaros, P.J. Subjective Socioeconomic Status is Associated with Preclinical Atherosclerosis. Poster presented at the annual meeting of the American Psychosomatic Society, March 2014, San Francisco.
92. Lim, A.,\* **Marsland, A.L.,** Jenkins, F.J., & Bovbjerg, D.H. Early Childhood Socioeconomic Status Moderates Inflammatory Response to Acute Psychological Stress in Women. Poster presented at the annual meeting of the American Psychosomatic Society, March 2014, San Francisco.
93. Schmidt, J.E., Jenkins, F.J., Manculich, J.L., **Marsland, A.L**., Bovbjerg, D.H. Healthy Women at Familial Risk for Breast Cancer Evidence Reduced Cardiac Parasympathetic Modulation to Experimental Stress. Poster presented at the 72nd annual meeting of the American Psychosomatic Society, March 2014, San Francisco, CA.
94. **Marsland, A.L.** Systemic inflammation Covaries Inversely with Brain Structure and Associated Cognitive Function in Midlife Adults. Paper presented at the 72nd annual meeting of the American Psychosomatic Society, March 2014, San Francisco, CA.
95. Miller, M. A.\*, Donofry, S. D\*., Ferrell, R. E., **Marsland, A. L**., Manuck, S. B., & Roecklein, K. A. Variation in PER2 Associated With Processing Speed Performance in a Community Sample. Poster presented at the annual meeting of The Society of Biological Psychiatry, 2015.
96. John-Henderson, N.A.\*, **Marsland, A.L.**, Kamarck, T., Muldoon, M.F., Manuck, S.B. Negative life events moderate associations of subjective childhood socioeconomic status with inflammation among midlife adults. Poster presented at the 73rd annual meeting of the American Psychosomatic Society, March 2015, Savannah, GA.
97. Jakubowski, K.\*, Hall, T., **Marsland, A.L**., & Matthews, K.A. (2015) Is Daytime Napping Associated With Inflammatory Markers in Adolescents? Poster presented at the 29th Annual Meeting of the Associated Professional Sleep Societies, June 2015, Seattle, Washington.
98. Wong, P.\*, Miller, K.\*, **Marsland, A.L**., Kamarck, T., Muldoon, M.F., & Manuck, S.B. Social jetlag associates with altered HPA activity. Poster presented at the 29th Annual Meeting of the Associated Professional Sleep Societies, June 2015, Seattle, Washington.
99. Lockwood, K\*., Gianaros, P.J., & **Marsland, A.L.** Early life family assets predict acute stressor-evoked changes in IL-6 in adulthood. Poster presented at the 73rd annual meeting of the American Psychosomatic Society, March 2015, Savannah, GA.
100. Walsh, C.P.\*, **Marsland, A.L**., Wright, A.C.G., Flory, J.D., & Manuck, S.B. Impulsive decision making is associated with inflammation partly through smoking history and greater adiposity. Poster presented at the 73rd annual meeting of the American Psychosomatic Society, March 2015, Savannah, GA.
101. Low, C.A., Jakicic, J., **Marsland, A**., Donovan, H.S., Weimer, J., & Sherwood, P. Objective Physical Activity in Neuro-Oncology Family Caregivers:Associations with Inflammatory Cytokines. Poster presented at the 73rd annual meeting of the American Psychosomatic Society, March 2015, Savannah, GA.
102. **Marsland, A.L.,** Manuck, S.B., Kuan, D., & Gianaros, P.J. Systemic inflammation Relates to Connectivity of the Default Mode Network in Midlife Adults. Paper presented at the 73rd annual meeting of the American Psychosomatic Society, March 2015, Savannah, GA.
103. **Marsland, A.L**., Manuck, S.B., Kuan, D., & Gianaros, P.J. Plasma interleukin-6 correlates with connectivity of the default mode network in midlife adults. Poster presented at the annual meeting of the Psychoneuroimmunology Research Society, June 2015, Seattle, Washington, USA.
104. Messay, B.\*, Ewing, L.E., Valseib, A., & **Marsland, A.L.** Individual differences in emotion regulation strategies predict psychological adjustment among mothers with a child recently diagnosed with cancer. Poster to be presented at ABCT's 49th Annual Convention, November, 2015, Chicago, IL.
105. John-Henderson, N.\*, **Marsland, A.L.,** Walsh, C.P.\*, Cleary, J.L.\*, Vaisleib, A.D.\*, Farrell, C., Ewing. L. Early life emotional abuse predicts trajectories of distress for individuals coping with a chronic stressor, in part by affecting sleep quality. Citation Poster presented at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
106. Lockwood, K.G.\*, **Marsland, A.L.,** Gianaros, P.J. Sex differences in the association between acute stressor-evoked interleukin-6 responses and C-reactive protein. Paper presented at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
107. Lockwood, K.G.\*, **Marsland, A.L**., Gianaros, P.J. Stressor-evoked interleukin-6 reactivity correlates with brainstem activation in healthy midlife adults. Paper presented at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
108. Walsh, C.P.\*, Ewing, L.J., Cleary, J.L.\*,Vaisleib, A.D., Howe, C., Gray, K., **Marsland, A.L.** Caregiving distress associates with elevated inflammation among mothers of children newly diagnosed with cancer. Paper presented at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
109. Kraynak, T.E.\*, **Marsland, A.L**., Manuck, S.B., Gianaros, P.J. Circulating interleukin-6 covaries with resting brain network connectivity and topology in midlife adults. Paper presented at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
110. Kraynak, T.E.\*, **Marsland, A.L.,** Wager, T.D., Gianaros, P.J. Functional neuroimaging of human brain-immune interactins: A quantitative meta-analysis.
111. Gianaros, P.J., **Marsland, A.,** Hackman, D., Janicki-Deverts, D., Sheu, L. Antioxidant and inflammatory pathways link socioeconomic disadvantage to brain morphology. Paper presented in symposium at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
112. John-Henderson, N.A.\*, **Marsland, A.,** Muldoon, M., Kamarck, M. Early life social environment and cardiovascular risk factors for disease in adulthood: Prospective and longitudinal findings. Paper presented in symposium at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
113. Lockwood, K.\*, Walsh, C.\*, John-Henderson, N.\*, **Marsland, A.L.** Systematic review of studies examining the effects of acute psychological stress on circulating inflammatory markers. Poster presented at the annual meeting of the Psychoneuroimmunology Research Society, June 2016, Brighton, UK.
114. Walsh, C.\* Ewing, L.J., Cleary, J.L.\*, Vaisleib, A.D., Farrell, C., Gray, K., **Marsland, A.L.** Caregiving distress and childhood trauma associate with decline in cortisol over time among mothers of children newly diagnosed with cancer Paper presented at the annual meeting of the Psychoneuroimmunology Research Society, June 2016, Brighton, UK.
115. Keller, A.E.\*, Lown, E.A., Ewing, L.J., Alderfer, M.A., Goldish, M., **Marsland, A.,** Ostrowski, N., Long, K.A. (2016). Family Support and Parental Affect as Predictors of Adjustment Among Siblings of Children with Cancer. Poster accepted at The Society of Pediatric Psychology 2016 Annual Conference.
116. Oberlin, Lauren E.\*, Bernhardt, Julie, Cumming, Toby B., Manuck, Stephen B., **Marsland, Anna L.,** Erickson, Kirk I. Effects of exercise on post-stroke cognitive function. Poster presented at the 2017 International Stroke Conference meeting in Houston, TX.
117. Walsh, C.P.\*, Ewing, L.J., Cleary, J.L., Vaisleib, A.D., Farrell, C., Gray, K., **Marsland, A.L.** Development of glucocorticoid resistance over one year among mothers of children newly diagnosed with cancer. Poster to be presented at the 2017 annual meeting of the Psychoneuroimmunology Research Society, Galveston, TX.
118. Walsh, C.P.\*, Ewing, L.J., Messay, B., Cleary, J.L., Vaisleib, A.D., Farrell, C., Gray, K., **Marsland, A.L.** Social integration among distressed mothers of children diagnosed with cancer associates with elevated inflammation one year after child’s initial diagnosis. Citation Poster presented at the 2017 annual meeting of the American Psychosomatic Society in Seville, Spain.
119. Kraynak, T.E.\*, **Marsland A.L.,** Gianaros, P.J. Retrospective recall of childhood abuse and midlife subclinical cardiovascular disease: Cross-sectional and longitudinal associations. Paper presented at the 2017 annual meeting of the American Psychosomatic Society in Seville, Spain.
120. Long, K., Lehmann, V., Gerhardt, C., Carpenter, A., **Marsland, A**., & Alderfer, M. (2017). Psychosocial functioning and risk factors for siblings of children with cancer: An updated systematic review. [Poster Presentation]. Society of Pediatric Oncology Annual Conference, Washington, DC.
121. Alderfer, M., Goldish, M., Long, K., Lown, A., Amylon, M.D., **Marsland, A.L.** (2017). Setting and agenda for advocacy, research, and care of siblings of children with cancer. Poster presented at 49th Congress of the International Society of Paediatric Oncology, October 12-15, Washington, DC, USA.
122. Trumpff, C.\*, **Marsland, A.L.,** Martin, J.L., Carroll, J.E., Sturm, G., Gu, Z., Kaufman, B.A., Picard, M. Socio-Evaluative Stress Selectively Increases Serum Circulating Cell-Free Mitochondrial DNA (ccf-mtDNA). Paper presented at the 2018 annual meeting of the American Psychosomatic Society, in Louisville, Kentucky.
123. Lockwood KG\*, Kamarck TW, Manuck SB, **Marsland AL,** Gianaros PJ. Perceived discrimination is associated with heightened risk factors for cardiovascular disease (CVD). Paper presented at the 2018 annual meeting of the American Psychosomatic Society, in Louisville, Kentucky.
124. Walsh, C.P.\*, Ewing, L.J., Cleary, J.L.,Vaisleib, A.D., Farrell, C., Gray, K., **Marsland, A.L.** Childhood Trauma Associates with Glucocorticoid Resistance, Suppressed Cortisol Response, and Elevated Peripheral Inflammation in Response to a Provocative Life Stressor. Paper presented at the 2018 annual meeting of the American Psychosomatic Society, in Louisville, Kentucky.
125. Trumpff, C.\*, **Marsland, AL**., Martinc, JL., Carroll, JE., Sturma, G., Vincenta, AE., Guf, Z., Kaufman, BA., Picard, M. Circulating Cell-Free Mitochondrial DNA (ccf-mtDNA) Selectively Increases After Acute Psychosocial Stress. Poster presented at the 2018 annual meeting of the Society of Biological Psychiatry.
126. Emery, R.\*, Levine, M., Creswell, K., Wright, A., **Marsland, AL.,** Manuck, S. Clarifying the relationship between impulsivity and cardiometabolic risk in midlife adults. Poster presented at The Obesity Society annual meeting, November 2018, Nashville, TN.
127. Trumpff, C.\*, **Marsland, AL**., Carroll, JE., Martinc, JL., Sloan, R.P., Kaufman, BA., Picard, M. Acute psychological stress and ccf-mtDNA reactivity: Psycho-physiological profiles of high responders using multivariate classification algorithms. Poster presented at the 48th meeting of the International Society of Psychoneuroendocrinology, September 2018, Irvine, CA.
128. Walsh, C.P.\*, Ewing, L.J., Cleary, J.L., Vaisleib, A.D., Farrell, C., Gray, K**., Marsland, A.L.** Diurnal variation in immune markers among caregivers of children newly diagnosed with cancer. Poster presented at the annual meeting of the Psychoneuroimmunology Research Society, June 2018, Miami Beach, FL.
129. Lockwood, K. G.\*, **Marsland, A.L.,** & Gianaros, P.J. Daily assessments of perceived discrimination and disparities in cardiovascular disease risk: Is inflammation a biological pathway? Poster presented at the annual meeting of the American Psychosomatic Society, March 2019, Vancouver, Canada.
130. Kraynak, T.E.\*, **Marsland, A.L.,** Hanson, J.L., Gianaros, P.J. An inflammatory pathway links retrospective recall of childhood physical abuse with resting corticolimbic connectivity in midlife adults. Oral presentation at the annual meeting of the American Psychosomatic Society, March 2019, Vancouver, Canada.
131. Natale, B.\*, Shaw, D., Manuck, D., & **Marsland, A.L.** Childhood socioeconomic disadvantage predicts midlife inflammation. Poster presented at the 52nd annual meeting of the International Society for Developmental Psychobology, October 2019, Chicago, IL.
132. DuPont, C.M.\*, Weis, T.M., Manuck, S.B., **Marsland, A.L.,** Matthews, K.A., & Gianaros, P.J. Do trait indicators of well-being associate with physiological reactivity and recovery to acute laboratory stressors in healthy adults? A systematic review and meta-analysis. Paper to be presented at the 2020 annual meeting of the Association for Behavioral and Cognitive Therapies.
133. Bowman, M. A.\*, Buysse, D. J., **Marsland, A. L.,** Wright, A. G. C., Foust, J., Mehra, R., Srinivasan, S., Kohli, N., Carroll, L., Jasper, A., & Hall, M. H. Meta-analysis of the association of age and actigraphy-assessed sleep across the lifespan. Poster accepted at the 2020 Sleep meeting, Philadelphia, PA.
134. Trumpff, C., Michelson, J., Taleon, V., Sturm, G., Lindqvist, D., Fernström, J., Kauffman, B., **Marsland, A.,** Picard, M. Circulating cell-free mitochondrial DNA, psychological states, and exercise: a systematic review. Paper presented at the 2020 annual meeting of the National Academy of Science.
135. Kamarck, T., **Marsland, A.L**., Muldoon, M.F., Anderson, B., Cohen, S. Daily Life Social Support Exchange is Associated with Enhanced Glucocorticoid Receptor Sensitivity in Healthy, Middle-Aged Adults. Accepted as paper for presentation at the 2020 annual meeting of the American Psychosomatic Society.
136. Kraynak, T.\*, Gianaros, P.J., **Marsland, A.L.,** & Verstynen, T. Systemic inflammation covaries with the local structural connectome within suspected interoceptive pathways. Accepted as paper for presentation at the 2020 annual meeting of the American Psychosomatic Society.
137. Muscatell, K.A., Kraynak, T., Chiang, J., & **Marsland, A.L**. Linking brain and body to understand health. Symposium accepted at the 2020 annual meeting of the American Psychosomatic Society.
138. Lockwood, K.G., Matthews, K.A., Gianaros, P.J., & **Marsland, A.L.** Daily Diary Assessments Of Perceived Discrimination And Self-Reported Sleep In A Community Sample Of Black And White Adults. Accepted as paper for presentation at the 2020 annual meeting of the American Psychosomatic Society.
139. DuPont, C.M.\*, Weis, T.M., Manuck, S.B., **Marsland, A.L.,** Matthews, K.A., & Gianaros, P.J. Do trait indicators of well-being associate with physiological reactivity and recovery to acute laboratory stressors in healthy adults? A systematic review and meta-analysis. Paper to be presented at the 2020 annual meeting of the American Psychosomatic Society.
140. Boele, F.W.,Weimer J.M., Proudfoot, J., Marsland, A.L., Armstrong, T.S., Given, C.W., Drappatz, J., Donovan, H.S., & Sherwood, P.R. The effects of SmartCare on neurooncology family caregivers: A randomized controlled trial. European Association of Neuro-Oncology. Virtual meeting.
141. Aghjayan, S.L., Bournias, T., Stillman, C.M., Donofry, S.D., Marsland, A.L., & Erickson, K.I. Episodic memory in older adults without dementia: A mate-analysis of aerobic exercise interventions. Gerontological Society of America.
142. The Volume of Hippocampal Subfields in correlation with Middle Age Healthy Adults. The International Society for Magnetic Resonance in Medicine
143. Natale, B., Manuck, S.B., Muldoon, M.F., & Marsland, A.L. (2020). Systematic inflammation contributes to the association between childhood socioeconomic disadvantage and midlife cardiometabolic risk. Poster presented at the 53rd Annual Meeting of the International Society for Developmental Psychobiology.
144. Evans, M.A., Buysse, D.J., Marsland, A.L., Wright, A.G.C., Foust, J., Carroll, L.W. Kohli, N. Mehra, R., Jasper, A, Srinivasan, S., & Hall, M.H. (2020). Meta-analysis of age and actigraphy-assessed sleep characteristics across the lifespan. Poster presented at the virtual meeting of Sleep 2020.
145. Natale, B.N., Koffer, R.E, Fairlie, S.E., Marsland, A.L. & Kamarck, T.W. (2021). Sex differences in the association between childhood trauma and adult inflammation in daily life. Poster presented at the International Society for Developmental Psychobiology (ISDP)
146. Reed, R.G., Carroll, J.E., Marsland, A.L., & Manuck, S.B. (March 2022). Epigenetic aging and cognitive decline in a longitudinal of midlife adults. Paper presented at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.
147. Chin, BN, Dickman, KD, Marsland AL, Cohen S, Kamarck, TW (2022). Actigraphic sleep regularity as a mechanisms linking social integration and systemic inflammation in midlife adults. Poster presented at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.
148. Natale, B.N., Manuck, S.B., Gianaros, P.J. & Marsland, A.L. (2022) Interactive effects of childhood socioeconomic status, family environment, and race on systemic inflammation in adulthood. Paper presented at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.
149. Marsland, AL & Cohen S. (2022) Factors that relate to susceptibility to respiratory infectious disease: What did we know before the COVID-19 pandemic? Paper presented as part of a symposium at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.
150. Kraynak, T., Karim, H., Manuck, S.B., Marsland, A.L., Gianaros, P. (2022). Cardioimmunometabolic risk is associated with brain-age in midlife. Paper presented at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.
151. Lindsay, E.K., Creswell, D., Stern, H.J., Greco, C.M., Walko, T.D., Dutcher, J.M., Wright, A.G.C., Brown, K.W., Marsland, A.L. (2022) Mindfulness-based stress reduction increases stimulated IL-6 production among lonely older adults: A randomized controlled trial. Paper presented at the American Psychosomatic Society 80th Annual Scientific Meeting, Long Beach, CA.

1. Walsh CP\*, Marsland AL, Yin W, Gallagher NR, Biltz RG, Sheridan JF (2023). Social Stress in Mice Alters Beta-adrenergic Signaling in Spleen and Peripheral Myeloid Cells. Poster presented at the annual of the Psychoneuroimmunology Research Society, Boulder, CO.
2. Drake, J. A.\*, Gianaros, P. J., Marsland, A. L., Haiqing, H., Karikari, T., Klunk, W., Hillman, C. H., Vidoni, E. D., Burns, J., Kramer, A. F., McAuley, E., George, G., Kang, C., & Erickson, K. I. (2023). Associations Between Subjective Socioeconomic Status and Brain Amyloid Beta Deposition. American Psychosomatic Society 2023 Annual Meeting. San Juan, Puerto Rico.
3. Gaietto K\*, Forno E, Acosta E, Miller GE, Rosser FJ, Wei C, Canino G, Han Y-Y. (2023). Violence Exposure and Maltreatment During Childhood and Asthma in Youth and Adults With Positive Biomarkers of T Helper 2-High Immunity. Oral presentation at annual meeting of the American Thoracic Society. Washington DC.
4. Natale, BN\*, Marsland AL, Koffer R, Fairlie S, Kamarck TW. (2023). Sex differences in the association between childhood trauma and adult inflammation in daily life. Oral paper presented at the 80th Annual Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
5. Spencer C\*, scudder MR, Manuck, SB, Muldoon M, Marsland AL, Gianaros, PJ. Does race moderate the relationship between heart rate variability and preclinical cardiovascular disease? Oral paper presented at the 80th Annual Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
6. Jones EJ\*, Gianaros PJ, Votruba-Drzal E, Kraynak, T., Marsland AL. (2023). Prospective associations between subjective social status and circulating levels of IL-6. Oral paper presented at the 80th Annual Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.
7. Dickman, K, Koffer R, Chin B, Marsland A, Cohen S, Kamarck T. Social Mobility and Immunometabolic Risk at Mid-Life. Oral paper presented at the 80th Annual Meeting of the American Psychosomatic Society, San Juan, Puerto Rico.

*\* denotes trainee author*

**Invited Presentations:**

1. **Marsland, A.L.** (2003) Stress, Immunity and Susceptibility to Disease. Workshop presented at the West Virginia Psychological Association Annual Fall Conference, Morgantown, WV.
2. **Marsland, AL** (2003)Pediatric Interventions. Presented at the Summer Institute of the Pittsburgh Mind Body Center.
3. **Marsland, A.L.** (2003). Basic principals of stress managements. Presented at the Summer Institute of the Pittsburgh Mind Body Center.
4. Hall, M., **Marsland, A**, & Cyranowski, J., (2004). A primer on grant writing and career development. Workshop at American Psychosomatic Society’s 62nd Annual Scientific Meeting, Orlando, FL
5. **Marsland, A.L. (**2004). Stress, Immunity and Asthma. Presented at 2004 Asthma Summit, Pennsylvania Department of Health, University of Pittsburgh, PA.
6. **Marsland, A.L.** (2004). Stability of individual differences in cellular immune response to acute and chronic psychological stress. American Thoracic Society - Stress and Asthma Workshop. Arlington, VA
7. **Marsland, A.L.** (2004). Evidence-Based Interventions for Managing Asthma. Invited Workshop for the UPMC Health Plan care coordinators. UPMC Health Pan, Pittsburgh, PA
8. **Marsland, A**.L. (2005). Psychological Factors, Immune Reactivity and Susceptibility to Infectious Disease. Invited colloquium, presented to the Science Division at Washington Jefferson College, Washington, PA.
9. **Marsland, A**.L., & Ewing, L.J. (2005) Pediatric Behavioral Medicine. Presented at the Summer Institute of the Pittsburgh Mind Body institute
10. **Marsland, A**.L. (2005). Acute Stress, Immune Reactivity and Susceptibility to Infectious Disease. Brown Bag presented in Department of Neuropharmacology, University of Pittsburgh Medical Center
11. **Marsland, A**.L. (2006) Acute Stress, Immune Reactivity and Susceptibility to Infectious Disease. Brown bag presented in Department of Voice Communications, University of Pittsburgh Medical Center
12. **Marsland, A.L**., Opp, M. (2007) New directions in Psychoneuroimmunology. Lunch workshop at the 65th Annual Scientific Meeting of the American Psychosomatic Society, Budapest, Hungary.
13. **Marsland,A**.L. (2007) Pediatric Stress Management interventions. Pittsburgh Mind-body Center Summer Institute 2007, Pittsburgh, PA.
14. **Marsland, A.L.** (2008) The measurement of inflammation and other immune parameters. Pittsburgh Mind Body Center Summer Institute, Pittsburgh, PA.
15. **Marsland, A.L.** (2008). Pediatric Relaxation Interventions. Sleep Conference WPIC.
16. **Marsland, A.L.** (2009). Pediatric Cancer; the “I Can Cope” Intervention. Pittsburgh Mind Body Summer Institute, Pittsburgh, PA.
17. **Marsland, A.L.** (September, 2008), Hostility as a driver of inflammation. Invited presentation as part of “Frontiers in Psychoneuroimmunology: the Emotional Interface.” Tampa, FL.
18. **Marsland, A.L**. (June, 2010) Beyond the Usual Suspects in Mind-Body Biomarkers: Markers of Inflammation. Invited presentation at the Pittsburgh Mind Body Institute Summer Institute, Pittsburgh, PA.

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1. **Marsland, A.L.,** & Ewing, L.J. (June, 2010). Psychological and Immune Benefits of a Supportive Stress Management Intervention for Mothers of Children with Cancer. Invited presentation at the Pittsburgh Mind Body Institute Summer Institute, Pittsburgh, PA.
2. Hong, S., Rohleder, N., & **Marsland, A.L.** (2011) Using the right tool for the job: Principles and applications of laboratory bench techniques for psychosomatic medicine research. Invited pre-conference work-shop presented at the Annual Meeting of the American Psychosomatic Society (APS), March 9, 2011, San Antonio, Texas.
3. **Marsland, A.L.,** & Ewing, L.J. (May, 2011) Psychological and Immune Benefits of a Supportive Stress Management Intervention for Mothers of Children with Cancer. Invited presentation to the Mood Disorders Research Group at Western Psychiatric Institute and Clinic.
4. **Marsland, A.L.** The association of peripheral inflammation with neurocognitive aging. Invited presentation to the Department of Sports and Exercise Sciences, University of Birmingham, England, November, 2011.
5. **Marsland, A.L.** The Impact of Psychological Stress on Immune Function: Implications for Susceptibility to Infection. Elisabeth Kubler-Ross Memorial Lecture, Department of Psychiatry Grand Rounds, University of Chicago. May 10, 2012.

1. **Marsland, A.L.** Benefits of a Supportive Stress Management Intervention for Mothers of Children with Cancer. Invited presentation at the University of Pittsburgh School of Nursing, October, 2011.
2. **Marsland, A.L.** Sex differences in stimulated cytokine production following acute psychological stress. Invited presentation at the 7th annual meeting of the Organization for the Study of Sex Differences, April, 2013, Weehawken, NJ.
3. **Marsland, A.L**. Peripheral Inflammation and Neurocognitive Aging. Institute of Aging, University of Pittsburgh Medical Center, May, 2013.
4. **Marsland, A.L.** Peripheral Inflammation and Neurocognitive Aging. Grand rounds, Loyola, Chicago. June, 2013.
5. **Marsland, A.L**., Peripheral Inflammation and Neurocognitive Aging. Annual meeting of the Academy of Behavioral Medicine Research, June, 2013. Monterey, CA
6. **Marsland, A.L**. Peripheral Inflammation and Neurocognitive Aging. CNBC retreat 2013 Seven Springs, PA.
7. **Marsland, A.L.** May, 2015. Inflammation and Brain Aging. Invited talk to Department of Health and Physical Activity, University of Pittsburgh
8. **Marsland, A.L.** October, 2015. A school-based stress management intervention for 8-14 years olds with persistent asthma. California Department of Public Health Asthma Summit. Los Angeles, CA.
9. **Marsland, A.L.** March, 2016. Inflammation and Brain Aging. Symposium at Penn State University.
10. **Marsland, A.L.** March 2016. Medical Workshop – Peripheral and Central Inflammation: Implications for Health and Disease. Preconference workshop at the 74th annual meeting of the American Psychosomatic Society, March 2016, Denver, CO.
11. **Marsland, A.**L. March 2017. Inflammation and Brain Aging. Biobehavioral Health Symposium. Penn State University
12. **Marsland, A.**L. May, 2018. Inflammation and Neurocognitive Aging. Behavioral Medicine Institute Colloquium. The Ohio State University.
13. **Marsland, A.**L. May, 2018. Workshop on the Measurement of Inflammation. University of North Carolina.
14. **Marsland, A.**L. June 2018. Inflammation and Neurocognitive Aging. Invited talk at the Annual meeting of the Academy of Behavioral Medicine, Hilton Head, NC.
15. **Marsland, A.L.** June 2018. Moderator of Invited Symposium. Inflammation: A bidirectional pathway linking the brain and physical health. Annual meeting of the Academy of Behavioral Medicine, Hilton Head, NC.
16. **Marsland, A.L.** March 2020 Patricia R. Barchas Award Lecture: Biological Pathways of Psychological Stress in the Context of Health. Annual meeting if the America Psychosomatic Society. Presented virtually in October 2021.
17. **Marsland, A.L**. April 2022. Association of Markers of Systemic Inflammation with Neurocognitive Aging. Psychoneuroimmunology Research Society Speaker Series. Presented virtually.
18. Marsland, A.L., Vedhara, K., Pressman, S.(2022). Psychology Meets biology in covid-10- Past, Present, and the Road to Recovery. Invited symposium organized by the American Psychological Society. Over 2,000 participants.
19. Marsland, AL (2022). Bridging Biological and Social Hallmarks of Aging. Invited discussant at workshop hosted by the National Institute on Aging October, 2022.

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PROFESSIONAL ACTIVITIES

**SPONSORED RESEARCH PROJECTS**

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | |  |  | | **Active** |  | |  |  | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01CA196762 | (Bender) |  | 4/1/2016-3/31/2023 |  | 0.12 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Influence of Exercise on Neurocognitive Function in Breast Cancer** | | | | | | | |  | |  | The application proposes a clinical trial in which post-menopausal women with early stage breast cancer are randomized to receive a 6-month, moderate-intensity aerobic exercise intervention or usual care. Outcomes explore whether neuroimaging metrics of brain health, proinflammatory biomarkers, and common symptoms mediate the effects of exercise on cognitive function. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01AG056043 | (Manuck/Marsland) |  | 9/15/2016-3/31/2024 |  | 1.20 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Biobehavioral Mechanisms Linking Personality to Health in Midlife** | | | | | | | |  | |  | The Program Project described in this application aims to elucidate biobehavioral determinants of stability and charge in key indicators of healthy aging and disease risk over the middle years of life. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01MH109493 | (Melhem) |  | 2/17/2017-11/30/2023 |  | 0.06 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Identifying Predictors in the HPA Axis and Inflammatory Pathways for Suicidal Behavior in Youth** | | | | | | | |  | |  | To recruit a large sample of psychiatric inpatients (n=300), aged 18-30 years, with no prior history of suicidal behavior and enriched for suicidal ideation; and healthy controls (n=50); and follow them at 3, 6, and 12 months from intake. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01MH112585 | (Melhem) |  | 4/21/2017-3/31/2023 |  | 0.96 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Biomarkers in the HPA Axis and Inflammatory Pathways for Maladaptive Stress Response in Children** | | | | | | | |  | |  | To examine the trajectories of the HPA axis and inflammatory pathways in response to stress in children; and identify biological trajectories that predict maladaptive stress responses. | | | | | | | |  | | | |  | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01DK110041 | (Marsland) |  | 7/20/2017-6/30/2023 |  | 1.20 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Metabolic and Inflammatory Pathways of Midlife Neurocognitive Disparities** | | | | | | | |  | |  | This study aims to identify modifiable inflammatory and metabolic risk factors that track a socioeconomic gradient and predict preclinical brain aging and associated cognitive decline across an 8-9 year period of midlife. | | | | | | | |  | | | |  | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01AG053952 | (Erickson) |  | 6/1/2018-5/31/2023 |  | 0.24 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Investigating Gains in Neurocognition in an Intervention Trial of Exercise** | | | | | | | |  | |  | In this Phase III randomized clinical trial, we will examine the effects of aerobic exercise on cognitive and brain function in late adulthood. We will be collecting a battery of cognitive, neuroimaging, amyloid, psychosocial, physical function measures, and blood-based biomarkers to examine the outcomes and mechanisms of the intervention. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*P01HL040962 | (Gianaros) |  | 8/15/2018-6/30/2023 |  | 2.40 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Biobehavioral Studies of Cardiovascular Disease- Core B (PI: Marsland)** | | | | | | | |  | |  | The research proposed in this Program Project (P01) continuation application focuses on the human brain substrates of behavioral and socio-environmental influences on cardiovascular disease (CVD) risk in midlife adults. | | | | | | | |  | | | |  | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01MH119336 | (Marsland – Co-PI) |  | 5/1/2019-2/28/2024 |  | 1.44 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Transduction of Psychological Stress into Systemic Inflammation by Mitochondrial DNA Signaling** | | | | | | | |  | |  | The proposed project’s overall aim is to evaluate the mechanisms of the link between psychological stress, mtDNA signaling, and inflammation.Dr. Marsland is responsible for the team that will maintain IRB approvals, recruit patients, administer psychological surveys, perform psychosocial stress and blood collection, blood processing, and serum and plasma storage. Data management will be performed by RedCAP data systems. The PITT Psych team will also measure inflammatory biomarkers and cortisol levels. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*R01MH120065 | (Banihashemi) |  | 7/19/2019-6/30/2024 |  | 0.24 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Visceral Neural Circuits Linking Childhood Threat and Deprivation with Stress Physiology and Affective Symptoms** | | | | | | | |  | |  | Dr. Marsland will assume responsibility for the assessment of urinary catecholamines and hair and salivary cortisol. She has directed the Behavioral Immunology Laboratory at the University of Pittsburgh for the past 18 years. The lab conducts a range of immune and endocrine assays including ELISAs and immunoassays. Dr. Marsland will also assist in the oversight and interpretation of peripheral stress biomarkers. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | \*UH3OD023244 | (Hipwell) |  | 9/1/2019-8/31/2023 |  | 0.12 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Preconception Stress Exposure: Impact on Pregnancy and Offspring Neurodevelopment** | | | | | | | |  | |  | The goal of this project is to test the hypothesis that preconception environmental stress exposure will predict deficits in offspring neurode development via alterations in maternal capacity to regulate stress during pregnancy. | | | | | | | |  | | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | MH124266 | (Melhem) |  | 9/1/2020-5/31/2025 |  | 0.60 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Biological Substrates of Maladaptive Stress Response in Early Childhood** | | | | | | | |  | |  | The proposed study examines the biological pathways through which early life stress affects risk for psychopathology in early childhood, and the mechanisms by which caregiving can alter the trajectories of biological and psychological stress responses. We propose to recruit 150 children, aged 4-6 years, within 3 months of parental divorce (intake), hereafter the stress group, and compare them to 75 control children from families with no history of parental divorce, frequency-matched on sex, age, race, IQ, socioeconomic status (SES), and parental history of psychopathology. | | | | | | | |  | | | |
| |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | |  |  | | | |  | | --- | |  | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | R01HL152444 | (Marsland) |  | 1/1/2021-12/31/2025 |  | 1.60 |  | Calendar |  | |  | National Institutes of Health | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **Childhood Antecedents of Adult Cardiometabolic health: A Prospective Study of Low-Income Men** | | | | | | | |  | |  | Cardiovascular disease (CVD) and diabetes are leading causes of death among adults in the US, with incident disease following years of accumulating risk conferred through various metabolic pathways (obesity, dyslipidemia, insulin resistance), immune factors (e.g., systemic inflammation), and rising blood pressure. The pathogenesis of CVD and cardiometabolic health begins in childhood, thus it is imperative to identify factors that contribute to emerging cardiometabolic health disparities. Like other chronic diseases, CVD and diabetes track a socioeconomic gradient, with greater lifelong health risk among individuals born into disadvantaged circumstances. | | | | | | | |  | | | | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | R01MH108039 | (Melhem) |  | 9/1/2021-8/31/2026 |  | 0.30 |  | Calendar | |  | National Institutes of Health | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  | |  | **1/2 Inflammation and Stress Response in Familial and Nonfamilial Youth Suicidal Behavior** | | | | | | | | |  | Suicide is 2nd leading cause of death in the US youth, and rates have risen 33% in 17 years. Clinical risk factors alone have disappointing predictive power and biological predictors show promise but rarely separated into longterm and short-term predictors due to the challenge of detecting biological profiles shortly before suicide behavior (SB). We propose a novel pragmatic approach of examining biological risk profiles immediately after an acute suicidal crisis and then separating them into familial and nonfamilial risk profiles. Our collaborative work indicates a stress responsive biological phenotype associated with more lethal and familial SB where inflammation activates the kynurenine pathway depleting brain serotonin by shunting tryptophan away from serotonin toward kynurenine synthesis. | | | | | | | | |  | 0(Thoma) 10/1/2021-9/30/2023  American Foundation for Suicide Prevention  Biological Stress Responses and Risk for Suicidal Behavior among Transgender Adolescents: A Pilot Study  Suicide is the second leading cause of death among adolescents,1 and transgender adolescents (TGAs; adolescents who identify with a gender identity which is different from their sex assigned at birth) exhibit higher rates of suicidal behavior compared to non-TGAs.2-8 Over half of TGAs reported a lifetime history of suicide attempts in preliminary data collected by the PI. | | | | | | | | |  | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  | |  | R01108509 | Andreescu |  | 9/1/2021-8/31/2026 |  | 0.60 |  | Calendar |  | |  | National Institutes of Health | |  | $20,141.00 |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |  | **The RAW Brain - The Effect of Rumination, Anxiety and Worry on Aging and Dementia Risk** | | | | | | | |  | |  | Anxiety and its disorders are a risk factor for several major diseases of aging including cardiovascular and autoimmune diseases, Alzheimer’s Disease and related dementias (ADRD). As anxiety disorders have the highest lifetime prevalence of any psychiatric illness, anxiety and its phenotypes potentially represent a highly prevalent and modifiable risk factor for diseases of aging. | | | | | | | |  | | | | | | | | | | | | |

**Pending**

1. NIH PD/PI: Brian Thoma 9/1/2023 – 8/31/2028 1.2 Calendar months

# Title: Gender Nonconformity as a Childhood Indicator of Early Risk for Suicidal Behavior Among Sexual and Gender Minority Youth

1. NIH PD/PI Nadine Melhem 7/1/2023 – 6/30/2028 0.3 calendar months

# Title: COVID-19, infections, and risk for suicidal behavior

# NIH PD/PI Nadine Melhem 4/1/2023 – 3/31/2028 0.6 calendar months

# Title: Identifying Interpersonal and Biopsychosocial Risk Factors for Adolescent Suicidal Behavior

1. NIH PD/PI Leslie Horton 5/1/2023 – 4/30/2028 0.6 calendar months

Title: Ambulatory Monitoring of Threat Dysregulation in Adolescents at Risk for Psychosis - Supplement

1. NIH/Advent Health PD/PI Chaeryon King 7/1/2023 – 6/30/2028 0.6 calendar months

Title: Examining the Persistence of Neurocognitive Benefits of Exercise

**COMPLETED:**

NHLBI 1U10HL098177A (PI:Wenzel) 1/1/10 -9/29/16

Role on Project: CO-I

AsthmaNet: Phenotypic Influences on Asthma Treatments

NHLBI 1R34HL107613 (PI:Marsland) 05/01/12 -04/30/16

Role on Project: PI

Total costs $610,363 Direct costs: $426, 427

“A Pilot Stress Management Intervention for High Risk Children with Asthma”

NIMH R21MH101208 (PI:Melhem) 7/1/13 6/31/15

Role on Project: Co-I

Total Costs:$94,761 Direct Costs:61,889

Biomarkers in HPA Axis and Inflammatory Pathways for Suicidal Behavior in Youth

ACS American Cancer Society 7/1/10-3/31/15

Total costs: $720,000

“Stress Management Intervention for At-Risk Mothers of Children with Cancer”

Project Role: Co-Principal Investigator

NCI R01 CA129557-01A1 9/1/08-7/31/14

Pitt subcontract: $40,161.00

“Familial Breast Cancer Risk: Analysis of Heightened HPA Axis Stress

Responsivity”

Project Role: Co-Investigator

Other Investigators: Dana Bovbjerg (PI)

NHLBI 1U10HL098177A (Wenzel) 1/1/10-9/29/16

$16,871.00

AsthmaNet: Phenotypic Influences on Asthma Treatments

Project Role: Co-Investigator

PI: Sally Wenzel (Medicine)

NHLBI P01 HL040962 7/1/07- 6/30/13

“Biobehavioral Studies of Cardiovascular Disease”

Total costs: $10,329,431 (Direct costs: $7,097,108)

Project title: Co-Investigator

Other Investigators: Stephen Manuck (PI), Cheong, J. (Co-I), Devlin, B. (Co-I), Ferrell, R. (Co-I), Gianaros, P. (Co-I), Hariri, A. (Co-I), Jennings, R.J. (Co-I), Kamarck, T. (Co-I), Matthews, K. (Co-I), McCaffery, J. (Co-I), Muldoon, M.F (Co-I), Sereika, S. (Co-I), Sutton-Tyrrel (Co-I), Yao, J. (Co-I)

NCI 5R01CA118711 (PI: Sherwood) 9/14/07-7/31/12

National Institutes of Health – Psychology subcontract $16,937.00

Mind-Body Interactions in Neuro-Oncology Family Caregivers

NIAID R01 –AI066367 7/1/06 – 3/31/12

“Social and Psychological Risk for Infectious Illness”

Total costs: $2,910, 344 (Direct Costs: $2,456,415)

Project title: Co-investigator

Other Investigators: Sheldon Cohen (Principla Investigator), Casselbrant, M. (Co-I), Doyle, W. (Co-I), Mandel, E. (Co-I), Li-Korotky, H. (Co-I), Otteson, T. (Co-I), Rabin, B. (Co-I), Turner, R.(Co-I)

NIH 1DP2 OD001210-01 (PI: Szigethy) 9/30/07-8/31/12

Psychology subcontract: $6,576.00

Understanding Treating Neuropsychiatric Symptoms of Pediatric Physical Illness

Project Title: Co-Investigator

R01 5U10DA023821 7/1/07-6/30/11

“Psychosocial Stress Exposure: Real-Time and Structured Interview Technologies”

Total costs $1,876,158 (Direct costs: $1,284,891)

Project Title: Co-Investigator

Other Investigators: Thomas Kamarck (Principal Investigator), Anderson, B. (Co-I), Shiffman, S. (Co-I), Siewiorek, D. (Co-I), Smailagic, A., (Co-I), Stone, C. (Co-I), Wethington, E. (Co-I)

PMBC Pittsburgh Mind Body Center Pilot Grant 1/1/06-12/31/09

“Chronic Stress, Glucocorticoid Resistance and the Inflammatory Process”

Direct costs: $44,500. No indirect costs

Project Title: Principal Investigator

Other Investigators: Ewing, L.J. (Co-I)

NINR R01-NR08237

“Psychological Stress and Immune Response to Vaccination”

Total Costs $1,693,895 Direct costs: $1,202,238

Project Title: Principal Investigator

Other investigators: Sheldon Cohen (Co-I), Matthew Muldoon (Co-I), Bruce Rabin (Co-I) 2004-2009

NIH HL40962 (Program Project: Stephen B. Manuck) “Biobehavioral Studies in Cardiovascular Disease” Sub-project: “Temporal Stability of Cellular Immune Responses to Acute Laboratory Stress” (Sub-Project Principal Investigator: 50% effort) 1993-1994

NIH HL40962 (Stephen B. Manuck) Dissertation Project: “Associations between Stress, Trait Negative Affect, Acute Immune Reactivity and Antibody Response to Hepatitis B Injection”. (Sub-Project Principal Investigator: 50% effort) 1995-1997

Bristol Myers UPCI #96-012 “Stress Management Intervention for Women with Breast Cancer”

(Co-Investigator: 20% effort) 1997-1999

CRCD Center for Research in Chronic Diseases Seed Grant. “Quality of Life after Pediatric Bone Marrow Transplantation among Recipients and their Caregivers”. (Principal Investigator: 10% effort); 11/15/99 - $5000

ACS American Cancer Society Institutional Research Grant IRG-60-002-40. “Stress Management Intervention for Children with Leukemia or Lymphoma and their Families”. (Principal Investigator: 20%) $15,000

Fetzer Institute “A Stress Management Intervention for Children with Moderate Asthma” (Anna L. Marsland: 10% effort) $15,000; 2/2003-6/2006

CHP Children’s Hospital of Pittsburgh seed grant (Sriya Gunawardena, MD) “Cognitive Functioning in Children aged 3-12 Years with Sickle Cell Anemia” Co-investigator – 5% effort ; $10,000; 2/2001 – 12/2003

WPIC Stress reactivity among girls with somatic complaints (PI: Alison Hipwell). 0% effort

Seed grant Total direct costs: $15,000; 2004-2005

CRDG Central Research Development Grant 7/1/05-6/30/07

Office of the Provost, University of Pittsburgh.

“Inflammation as a Potential Pathway linking Psychosocial Factors to Coronary Heart Disease”

Direct costs: $14,110. No indirect costs

Project Title: Principal Investigator

Other investigators: Stephen Manuck (Co-I)

NCI R23-CA104255 08/01/05 – 07/31/08 Family-Based Stress Management for Childhood Cancer

Total costs: $293,812 (Direct Costs: $196,765)

Project Title: Co- Principal Investigator

Other Investigators: Linda Ewing (Co-PI),

Seed Grant Pittsburgh Foundation 7/1/06 – 6/30/08

“Metabolic, Neuroendocrine, and Immune Function in Depression”

Total costs: $194,171 (No indirects)

Project title: Co-Investigator

Other Investigators: Jill Cyranoswki (Principal Investigator), Ellen Frank (Co-I)

NCI 5R01CA118711 9/14/07-7/31/12 Pitt subcontract: $16,937.00

Mind-Body Interactions in Neuro-Oncology Family Caregivers

Project role: Co-Investigator

PI: Paula Sherwood (School of Nursing)

NIH DP2 OD001210-01 (Szigethy) 9/30/07-8/31/12 Pitt subcontract $6,576.00

Understanding Treating Neuropsychiatric Symptoms of Pediatric Physical Illness

Project Role: Co-Investigator

PI: Eva Szigethy (Psychiatry)

Pilot funding (Marsland) 6/1/11 – 5/30/12

Aging Institute, UPMC $20,000

“Inflammation in Cognitive Aging”

Project Role: PI

NINR 5R01NR013170 (Sherwood) 07/01/16-06/30/17 SmartCare: Innovation in Caregiving Interventions

Project Role: Co-I

Pitt subcontract: $57,094

Breathe PA Seed Grant (Marsland) 07/01/15 - 6/30/17 $10,000

Chronic Stress, Asthma Exacebation and Response to Glucocorticoid Therapy

APP1027076 (Allen/University of Melbourne) Role: Co-I 1/1/12 - 12/31/17

Australian National Health and Medical Research council

The Good Night Project: A Sleep Intervention To Prevent Depression And Improve Cardiac Health In Adolescence.

NIH 1R01AT008685 (Creswell) 09/15/2015 – 07/31/2020 Mindfulness Meditation Training in Lonely Older Adults

Project Role: Co-I

NIA 5R01AG041778 (PI: Kamarck) 07/15/13 – 03/31/20 Role on Project: CO-I

Social integration, daily social interaction, and health risk pathways

NIMH R01MH108509 (Andreescu) 08/27/2018-06/30/2020

Functional Neuroanatomy correlated of worry in older adults.

Role on Project: Co-I.

NHLBI R01HL117191 (Celedon) 6/1/2017-5/31/2021

Epigenetic Variation and Childhood Asthma in Puerto Ricans

Role on Project: Co-I

NIH R01MD011764 (Celedon) 8/2/2017-3/31/2021

Exposure to Violence, Epigenetic Variation, and Asthma in Puerto Rican Children

Role on Project: Co-I

**COURSES TAUGHT:**

1989-1990 Biopsychology Teaching Assistant: University of Pittsburgh

1990-1991 Brain and Mind Teaching Assistant: University of Pittsburgh

1995 Workshop on Death and Dying University of Pittsburgh

Pittsburgh Cancer Institute

2000 Patient Interviewing Course University of Pittsburgh School of Medicine

2000 Medicine and Human Behavior University of Pittsburgh School of Medicine

**Department of Psychology, University of Pittsburgh**

PSY 0505: Biopsychology (Terms: 02-1, 04-1, 05-1, 07-1, 08-2, 09-2, 10-1, fall 2016, spring 2017, Fall 2017)

PSY 1215: Health Psychology (Terms: 02-2, 03-2, 06-1, 07-2, 08-1)

PSY 1210: Introduction to Clinical Psychology (Terms: 03-1, 04-2, 08-1, Fall, 2011, fall 2012; spring 2013; Spring 2014, spring 2015, spring 2016, Fall 2016, Spring 2017, Fall 2017)

PSY 2520: Psychoneuroimmunology (Terms: 05-2, 07-1, 10-2, spring 2011, fall 2014, spring 2021)

PSY 2220: Clinical Practicum (Terms 03-03, 04-1, 05-1, 05-2, 06-2, 06-3, 07-1, 08-1, 08-2, 09-2, 09-3, 10-1, 10-2, 10-3, Summer 2011/Spring 2012, Summer/Fall 2013; Fall 2014/spring 2015, spring/summer 2016, summer/fall 2017, spring/summer 2020, fall/spring 2021; spring/summer 2022)

PSY 2210: Clinical Program Research Seminar (Terms: 03-1, 03-2, 04-1, 04-2, 05-1, 05-2, fall 2011, spring and fall 2012; spring 2013)

PSY 2502: Health fundamentals (Terms: Fall 2011, Fall 2013, Fall 2015, Fall 2017, Fall 2019; Fall 2021)

**STUDENT SUPERVISION**

**Graduate Students:**

Amanda Thompson, Ph.D. 2002-2007 (Developmental/Clinical Programs).

Dissertation defended 7/31/06 “Close Relationships among Young Adult

Survivors of Childhood Cancer”

Internship: Dupont Children’s Hospital, DE

Postdoctoral fellowship: Columbus Children’s Hospital OH

Faculty: Children’s National Medical Center, Washington DC 2009-present

Aric Prather, Ph.D. 2003-2010 (Biological and Heath/Clinical Programs)

Dissertation defended 06/15/10 “Do sleep dimensions predict primary and secondary antibody responses to vaccination?”

Internship: Duke July 2009-June 2010

Postdoctoral Fellowship: Robert Wood Johnson Fellow at UCSF 2010-2012

Faculty: UCSF 2012-present.

Judith Carroll, Ph.D. 2004-2010 (Biological and Health Program)

Dissertation defended 05/17/10: “The Associations of Affective, Behavioral, and Cognitive Components of Hostility with Telomere Length, A Marker of Biological Aging

Post-Doctoral Fellowship started July 2010: Coussins Center for Psychoneuroimmunology, UCLA

Faculty: UCLA 2013-present

Kristin Long, Ph.D 2005- 2012 (Biological and Health/Clinical Programs)

Dissertation defended 06/04/12: “Developmental and Family-Level Determinants of Sibling Adjustment to Childhood Cancer.”

Post-Doctoral Fellowship July 2012-2014: Brown University

Faculty, Boston University 2014-present

Berhane Messay, Ph.D 2010-2016 (Biological and Health/Clinical Programs)

Dissertation defended 2016: “Relationships between Emotional Regulation

Strategies, distress and Inflammation among Mothers of Children Diagnosed

with Cancer.

Internship July 2016-2017: North Shore VA, Chicago.

Staff Psychologist, Office of Counseling and Consultation Service, The Ohio

State University.

Alvin Lim, BS 2010-present (Biological and Health Program)

Masters defended 2014: “Negative Affectivity and Inflammation:

Moderation by the Glucocorticoid Receptor-9beta Polymorphism”

Dropped out of program to pursue graduate study in computer science 2014

Kimberly Lockwood, Ph.D. 2013-2019 (Biological and Health Program)

Dissertation defended 2019: “Relationships between Daily Diary

Assessments of Perceived Discrimination and Cardiovascular Disease Risk:

Is Inflammation a Biological Pathway?

Post-Doctoral Fellowship August 2019-2021: University of California San

Francisco.

Catherine Walsh, MS 2014-present (Biological and Health/Clinical Programs)

Dissertation defended November 2022: An Investigation of Beta-adrenergic Signaling Pathways among Peripheral Immune Cells in a Murine Model of Chronic Social Stress

Post-Doctoral Fellowship October 2022 – present: University of Hawaii

Thomas Kraynak, MS 2015-present (Biological and Health Program)

Masters defended Spring 2018.

Comps Defended 2019: “ Shared and Specific Neural Correlates for Stressor-

Evoked Cardiovascular Reactivity and Cardiac Interoceptive Processing:

A Systematic Review and Neuroimaging Meta-Analysis.”

Dissertation defended May 2020

Post-doctoral fellowship at WPIC.

Brianna Natale, MS 2018-Present (Biological/Health and Developmental Programs)

Masters defended June 2020

Comps proposed June 2021.

**Post-Doctoral Fellows**

* Carissa Lowe 2007-2012 – WPIC fellow

Co-mentor with Karen Matthews

* Michael Yonas, Ph.D.: Primary mentor of KL2 Scholar 2009-2013
* Beth Nesmith, Ph.D. – Medical College of Georgia – Primary research mentor – 2008-2010.
* Neha John-Henderson, Ph.D. Cardiovascular Behavioral Medicine Training Fellow 2014-2016. Faculty position at University of Montana.
* Stephanie Gilbertson-White – 2011-2013. Co-mentor of doctoral candidate in School of Nursing
* Emily Lindsay 2017- 2020. Research focuses on the health benefit of mindfulness meditation.
* Megan Fritz 2019-2020. Research focused on affect and cardiovascular disease risk
* Jenn MacCormick 2020- Research focuses on inflammation and interoception, and risk for cardiovascular disease
* Emily Jones 2022 – present – Research focuses on early life exposures and risk for cardiometabolic disease in later life. Co-mentored with Pete Gianaros.

**SERVICE ON STUDENT COMMITTEES**

**Dissertation Committee Member:**

University of Pittsburgh:

Michael Forlenza Bio/Health Program, Department of Psychology (2003)

Ashley Smith Bio/Health Program, Department of Psychology (2003)

Wendy Troxel Bio/Health & Clinical Programs, Department of Psychology (2005)

Joy Beck Developmental/Clinical Programs, Department of Psychology (2005)

Maria Bleil Bio/Health & Clinical Programs, Department of Psychology (2006)

Tamara J. Somers Bio/Health & Clinical Programs, Department of Psychology (2006)

Rebecca Ringham Bio/Health & Clinical Programs, Department of Psychology (2006)

Edie Goldbacher Bio/Health & Clinical Programs, Department of Psychology (2006)

Karen Petersen Bio/Health & Clinical Programs, Department of Psychology (2007)

Denise Janicki Bio/Health Program, Department of Psychology (2006)

Maria Detrich Department of Communications (2008)

Carrie Sheets Bio/Health and Clinical Programs, Department of Psychology (2011)

Amanda Midboe Bio/Health and Clinical Programs, Department of Psychology (2010)

Jennifer Phillips Bio/Health and Clinical Programs, Department of Psychology (2011)

Genevieve Woodward GSPH – MD/PhD program (2009)

Julie C. Michael Bio/Health and Clinical (2012)

Aimee Midee Bio/Health and Clinical (2012)

Victoria Eglizio Bio/Health and Clinical (2011)

Carrie Gibson Bio/Health and Clinical (2014)

Darcy Mandell Bio/Health and Clinical (current)

Andrea Weinstein Bio/Health and Clinical (2015)

Laura Samuelson Bio/Health and Clinical (2017)

Becca Emory Bio/Health and Clinical (2018)

Karen Jakubowski Bio/Health and Clinical (2019)

Lauren Oberlin Bio/Health and Clinical (2018)

Hongjin Li School of Nursing (2019)

Dana Jorgenson Graduate School of Public Health (2018)

Karissa Miller Bio/Health (2018)

Swathi Guthri Bio/Health and Clinical (2018)

Amoha Bajaj Bio/Health and Clinical (2018)

Jamie Peven Bio/Health (2020)

Caitlin Dupont Bio/Health and Clinical (2021)

Marissa Evans Bio/Health and Clinical (2022)

Sarah Aghjayan Bio-Health and Clinical (2023)

Ben Hayes Translational Science (current)

Alina Lesnovskaya Bio-Health and Clinical (current)

Carnegie Mellon University

Sarah Pressman Department of Psychology (2006)

Jeffrey Horn Department of Psychology (2008)

Crista Crittenden Department of Psychology (2014)

**Specialty Examination Committee Member:**

University of Pittsburgh

Wendy Troxel Bio/Health & Clinical Programs, Department of Psychology (2003)

Rebecca Ringham Bio/Health & Clinical Programs, Department of Psychology (2004)

Edie Goldbacher Bio/Health & Clinical Programs, Department of Psychology (2004)

Maria Bleil Bio/Health & Clinical Programs, Department of Psychology (2005)

Karen Petersen Bio/Health & Clinical Programs, Department of Psychology (2005)

Denise Janicki Bio/Health & Clinical Programs, Department of Psychology (2005)

Maria Ditrich Department of Communication Science (2006)

Carrie Sheets Bio/Health & Clinical Programs, Department of Psychology (2006)

Jen Philips Bio/Health & Clinical Programs, Department of Psychology (2010)

Carrie Sheets Bio/Health & Clinical Programs, Department of Psychology (2007)

Amanda Midboe Bio/Health & Clinical Programs, Department of Psychology (2007)

Julie C. Michael Bio/Health and Clinical (2009)

Desiree Wilkinson Clinical and Developmental (current)

Aimee Midee Bio/Health and Clinical (2010)

Victoria Eglizio Bio/Health and Clinical (2010)

Andrea Weinstein Bio/Health and Clinical (2012)

Nina Leezenbaum Developmental and Clinical (2013)

Darcy Mandell Bio/Health and Clinical (2012)

Ike Onyewuenyi Bio/health and Clinical (dropped out)

Patrician Wong Bio/Health and Clinical (2015)

Laura Samuelsson Bio/Health and Clinical (2015)

Karen Jakubowski Bio/Health and Clinical (2016)

Amoha Bajaj Bio-Health and Clinical (2016)

Lauren Oberlin Bio-Health and Clinical (2016)

Jamie Cohen Bio-Health and Clinical (2019)

Caitlin Dupont Bio-Health and Clinical (2019)

Marissa Bowman Bio-Health and Clinical (2019)

Orma Ravindranath Clinical (2020)

Sarah Aghjayan Bio-Health and Clinical (2020)

Delainey Wescott Bio-Health and Clinical (2022)

Alina Lesnovskaya Bio-Health and Clinical (2022)

Mary Carson Bio-Health and Clinical (2022)

Kristina Dickman Bio-Health and Clinical (2023)

Maria Perica Clinical (2023)

Jermon Drake Bio-Health and Clinical (current)

Ben Hayes Translational Science (2021)

**Masters Committee Member:**

University of Pittsburgh

Amanda Midboe Bio/Health & Clinical Programs, Department of Psychology (2005)

Judith Carroll Bio/Health Program, Department of Psychology (2006)

Jennifer Philips Bio/Health & Clinical Programs, Department of Psychology (2006)

Anna Craig Developmental and Clinical Programs, Department of Psychology (2006)

Carrie Sheets Bio/Health & Clinical Programs, Department of Psychology (2006)

Julie C. Michael Bio/Health & Clinical Programs, Department of Psychology (2009)

Jennifer Waller Developmental and Clinical Programs, Department of Psychology (2011)

Darcy Mandell Bio/Health and Clinical (2012)

Andrea Weinstein Bio/Health and Clinical (2011)

Karissa Miller Bio/Health (2013)

Karen Jakubowski Bio/Health and Clinical (2014)

Amoha Bajaj Bio/Health and Clinical (2014)

Swathi Guthri Bio/Health and Clinical (2014)

Lauren Oberlin Bio/Health and Clinical (2014)

Karen Jakubowski Bio/Health and Clinical (2014)

Mary Carson Bio/Health and Clinical (2020)

Jermon Drake Bio/Health (2022)

Abby Hillman Bio/Health (2023)

William Eckerle Bio/Health (current)

Riley Jouppi Bio/Health (current)

**Carnegie Mellon University**

Jeffrey Horn Department of Psychology (2006)

Crista Crittenden Department of Psychology (2011-2014)

**Undergraduate Students:**

Honors Research Chair:

Brandon Gillie Defended April 2010

Terri Nicely Defended April 2010

Rachel Kline Defended April 2011

Amy Tavares Defended April 2016

Jenny Clearly Defended April 2016

Katie McMahon Defended April 2020

James Burke Defended April 2020

Luke Schaffer Defended April 2021

Sarah Hulse BPhil Defended March 2023

Anisha Chandwani Defended April 2023

Honors Research Committee:

Andrea Patterson: Defended April 2006

Jeremy C. Kane. Defended April 2006

Amber E. Johnson Defended April 2006

Jennifer Sinkule Defended 2002

Kristen Frey Defended 2007

Brain Thoma Defended 2008

Katherine Fedele Defended 2010

Uzoh Ikpeama Defended 2011

Adam Tomastik Defended 2011

Sara Matthews Defended 2011

Claire Ozolek Defended 2018

Mariah Mascara Defended 2018

Jan Yang Defended 2020

Lauren Reinhardt Defended 2021

Olivia Lucas Defended 2021

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**UNIVERSITY AND DEPARTMENTAL SERVICE**

Member, Neuroscience Search Committee (2002, 2006, 2007)

Member, Biological/Health search committee (2003, 2014)

Admissions Coordinator for Clinical Program (2002, 2003, 2004)

Admissions Coordinator for Biological and Health Program (2002, 2003, 2004, 2006, 2008)

Member, Space Committee (2003-2004)

Member, Anniversary Committee (2003-2004)

Member, Colloquium Committee (2005, 2008, 2015)

Chair and Member, IRB Committee (2006, 2008, 2009)

Executive committee (2008, 2010, 2012, 2013, 2014, 2015, 2016, 2017, 2019,2020, 2021)

Member Arts and Sciences Ad Hoc Tenure Committee – January 2010, January 2012

Co-Chair Bio/Health and Developmental Search Committee (2010-11)

Member – Social Search Committee (2012)

Member, Pre-Professional Health Committee (2012)

Member, Departmental Promotion Committee 2011, 2012, 2014

Coordinator of Lazovik Memorial Lecture (2012)

Interim Chair of Bio/Health Program (2014, 2021)

Member, Graduate Education Committee (2014, 2017, 2022)

Member, Developmental Search Committee (2016)

Chair, Colloquium Committee (2016-2018)

Chair, Professional Development Committee (2017-2020)

Member, Arts and Sciences IRB Committee

Chair of Mandy Forest’s promotion committee (2021)

Member – Quantitative Search Committee (2023)

Standing member of Provost’s Advisory Committee on Tenure and Promotion (2022 – present)

Chair of the Biological and Health Psychology Program (2022 – present)

Chair of Lauren Hallion’s promotion committee

Coordinator Psychoneuroimmunology Journal Club –

A joint venture with Carnegie Mellon University

Meeting bi-weekly since January, 2004

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**OTHER PROFESSIONAL SERVICE**

**Associate Editor**

2010-2022 Psychosomatic Medicine

2022-present Consulting Editor: Health Psychology

**Editorial Board**

2008- Journal of Psychosomatic Medicine

2010- Brain, Behavior, and Immunology

2010- Health Psychology

**Ad-hoc manuscript reviewer**

Annals of Behavioral Medicine

Health Psychology

Psychophysiology

Psychology and Health

British Journal of Health Psychology

Brain, Behavior and Immunity

Biological Psychiatry

Child Development

Psychology, Health and Medicine

International Journal of Obesity and related metabolic disorders

Biological Psychology

Journal of Abnormal Child Psychology

Vaccine

Psychological Bulletin

Psychosomatic Medicine

Journal of Psychosomatic Research

Psychoneuroendocrinology

American Journal of Respiratory and Critical Care Medicine

Journal of Neuroimmunology

Neurobiology of Aging

International Journal of Behavioral Medicine

Journal of Applied Physiology

Ad-Hoc Reviewer

1997-present WPIC Research Committee

1998-present Behavioral Medicine Cluster, Western Psychiatric Institute and Clinic

1. American Psychosomatic Society – Annual meeting symposium reviewer
2. Society for Behavioral Medicine – Annual meeting abstract reviewer

NIH Study Sections

Ad Hoc Reviewer: Mechanisms of Biobehavioral Mechanisms of Emotions, Stress and

Health Study Section (June 2006, February, 2007)

Ad Hoc Reviewer: NCI R13 conference grants (October, 2007, October 2008, October 2010)

NINR study section (January 2012)

Reviewer NCI Program Project grant (June, 2009)

NIA Program Project (August, 2011, Spring 2012)

NINR loan repayment program (March, 2012, March 2013, March 2014, March 2016, March 2020, March 2021, March 2022)

NIAID Special Emphasis Panel (September 2017)

NIH BBBP-2 – special Emphasis Panel (November, 2020)

NCCIH grant review (March 2021)

Reviewer of APA dissertation award applications (2012-2014)

American Cancer Society: Standing member of the Peer Review Committee on Psychological and Behavioral Research (meets twice per year) (2011-2016)

Ad Hoc Reviewer NCCIH ([RFA-AT-16-005](http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-16-005.html) “Phased Innovation Award for Mechanistic Studies to Optimize Mind and Body Interventions in NCCIH High Priority Research Topics (R61/R33)” March 2016

Society

* 1. Program Committee, American Psychosomatic Society

2006 American Psychological Association Science Directorate’s Dissertation Research Award- Review Committee

2005-2015 Faculty of Pittsburgh Mind Body Center

2012-2013 Assisted with program for annual meeting of the Academy of Behavioral Medicine Research

2013- Executive Council – Academy of Behavioral Medicine Research

2014 – 2019 Membership Chair, ABMR

2014 – 2017 Board of Directors, Psychoneuroimmunology Research Society

2015-2017 Membership Board, PNIRS

2020- Program Committee, American Psychosomatic Society

2019- President Elect, Academy of Behavioral Medicine

2020-2021 NIA – Workshop on deeply phenotyped longitudinal cohorts – Role – Coordinator

2021-2022 President, Academy of Behavioral Medicine Research

2022-2023 Past-President, Academy of Behavioral Medicine Research

Non-Profit

2007-2018 Member, Research Advisory Board – SuperSibs– a national non-profit organization

supporting siblings of children with cancer