**Peter J. Gianaros, PhD**

University of Pittsburgh

Department of Psychology

210 South Bouquet Street

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| **EDUCATION AND TRAINING** |
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| **Undergraduate:** |  |  |  |
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| *Dates* | *Institutions* | *Degree, year* | *Major subject, Advisors* |
|  |  |  |  |
| 1991-1993 | Santa Fe Community CollegeGainesville, FL | A.A., 1993Honors | Liberal Arts |
|   |   |   |  |
| 1993-1995 | University of FloridaGainesville, FL | B.S., 1995High Honors  | PsychologyThesis advisors: Margaret Bradley & Peter Lang |
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| **Graduate:** |  |  |  |
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| *Dates* | *Institution* | *Degree, year* | *Major subject, Advisors* |
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| 1995-2000 | Pennsylvania State UniversityUniversity Park, PA | M.S., 1997Ph.D., 2000 | Biological PsychologyMentors: Karen Quigley & Robert Stern |
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| **Postdoctoral:** |   |   |   |
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| *Dates*  | *Institution* | *Program* | *Advisor, Disciplines* |
|  |  |  |  |
| 2000-2002 | University of PittsburghPittsburgh, PA | NIH Institutional National Research Service Award | J. Richard JenningsCardiovascular Behavioral Medicine and Neuroscience |
|   |   |   |   |
| 2002-2003 | University of Pittsburgh Pittsburgh, PA | NIH Individual National Research Service Award |  |

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| **APPOINTMENTS AND POSITIONS** |
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| *Years* | *Institution* | *Rank or Title* |
|  |  |  |
| 2000 | Department of GastroenterologyHershey Medical CenterPennsylvania State University | Research Associate |
|   |   |   |
| 2000-2003 | Department of PsychiatryUniversity of Pittsburgh School of Medicine | Postdoctoral Fellow |
|   |   |   |
| 2004-2009 | Department of PsychiatryUniversity of Pittsburgh School of Medicine | Assistant Professor(Primary Appointment) |
|   |   |   |
| 2005-2009 | Department of PsychologyUniversity of Pittsburgh | Assistant Professor(Secondary Appointment) |
|   |   |   |
| 2005-pres. | Center for the Neural Basis of CognitionUniversity of Pittsburgh | Training Faculty |
|   |   |   |
| 2007-pres. | Center for NeuroscienceUniversity of Pittsburgh | Training Faculty |
|   |   |   |
| 2007-pres. | University of Pittsburgh | Graduate Faculty |
|  |  |  |
| 2009-2011 | Department of PsychiatryUniversity of Pittsburgh School of Medicine | Associate Professor(Primary Appointment) |
|  |  |  |
| 2011-2014 | Department of PsychologyUniversity of Pittsburgh | Associate Professor(Primary Appointment) |
| 2014-pres. | Department of PsychologyUniversity of Pittsburgh | Professor, with tenure(Primary Appointment) |
| **MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES** |
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| *Organization* | *Year(s)* |
|  |  |
| American Association for the Advancement of Science | 2006-2010 |
| American Psychological Association  | 1995-2007 |
| American Psychosomatic Society  | 2000-pres. |
| Association for Psychological Science | 1995-2013 |
| International Electrogastrography Society  | 1996-2000 |
| International Society for the Advancement of Respiratory Psychophysiology | 2004-2006 |
| Organization for Human Brain Mapping  | 2005-2011 |
| Society for Neuroscience  | 2007-2015 |
| Society for Psychophysiological Research  | 1995-pres. |

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| **HONORS, AWARDS, TRAINING FELLOWSHIPS** |
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| *Year* | *Award or honor* |
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| 1995 | The University of Florida Outstanding Undergraduate Scholar Award |
| 1995 | The University of Florida Undergraduate Research Achievement Award  |
| 1997 | Pennsylvania Psychological Foundation Graduate Student Scholarship |
| 1999 | NIMH Individual National Research Service Award (pre-doctoral) |
| 2000 | Young Investigator Award, International Electrogastrography Society |
| 2002 | NHLBI Individual National Research Service Award (post-doctoral) |
| 2005, 2007, 2008 | NHLBI Clinical Research Loan Repayment Award (2 competitive renewals) |
| 2008, 2011 | Faculty Honoree, University of Pittsburgh Honors Convocation |
| 2008 | The Herbert Weiner Early Career Award, American Psychosomatic Society |
| 20102011 | The Distinguished Scientific Award for Early Career Contributions to Psychology(Health Psychology), American Psychological AssociationElected Member, Academy of Behavioral Medicine Research |
| 2022 | The Paul D. MacLean Award for Outstanding Contributions to Neuroscience Research, American Psychosomatic Society |
| 2022 | Fellow, American Psychosomatic Society |
| 2023-24 | President, American Psychosomatic Society |

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| **EDITORIAL EXPERIENCE** |

**Editorial positions**

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| *Years* | *Journal* |

2011-2013 Editor, Special Series on Neuroscience in Health and Disease, *Psychosomatic Medicine*

2013-2018 Associate editor, *Psychosomatic Medicine*

2017-2018 Guest editor, *Proceedings of the National Academy of Sciences*

2017-2018 Editor, Special Issue: Health Neuroscience. *Annals of the New York Academy of Sciences*, 1428, Issue 1, pp. 1 - 256.

2019-2022 Founding Associate Editor, *Affective Science*

**Editorial boards**

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| *Years* | *Journal* |
| 2009-2012 | Neuropsychology |
| 2008-2021 | Psychosomatic Medicine |
| 2007-2013 | Frontiers in Behavioural Neuroscience |
| 2015-2017 | Frontiers in Neurology, Autonomic Neuroscience |
| 2106-pres. | Health Psychology |

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| **PUBLICATIONS** |
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**Refereed articles**

•Graduate or medical student

••Post-doctoral trainee

1. Jokerst MD, Gatto M, Fazio R, **Gianaros PJ,** Stern RM, Koch KL (1999). Effects of gender on susceptibility to motion sickness. *Aviat Space Environ Med*, 70, 962-5.

2. Mordkoff JT & **Gianaros PJ** (2000). Detecting the onset of the lateralized readiness potential: A comparison of available methods and procedures. *Psychophysiology*,37, 347-60.

3. **Gianaros PJ,** Muth ER, Mordkoff JT, Levine ME, Stern RM (2001). A questionnaire for the assessment of the multiple dimensions of motion sickness. *Aviat Space Environ Med*,72, 115-9.

4. **Gianaros PJ** & Quigley KS (2001). Autonomic origins of a stimulus-elicited bradycardia and its habituation in humans. *Psychophysiology*, 38, 540-7.

5. **Gianaros PJ,** Stern RM, Morrow GR, Hickok JT (2001). Relationship of gastric myoelectrical and cardiac parasympathetic activity to chemotherapy-induced nausea. *J Psychosom Res*, 50, 263-6.

6. **Gianaros PJ,** Quigley KS, Mordkoff JT, Stern RM (2001). Gastric myoelectrical and autonomic cardiac reactivity to behavioral stressors. *Psychophysiology*, 38, 642-52.

7. **Gianaros PJ,** Jennings JR, Olafsson GB, Steptoe A, Sutton-Tyrell K, Muldoon MF Manuck SB, (2002). Greater intima-media thickness in the carotid bulb is associated with reduced baroreflex sensitivity. *Am J Hypertension*, 15, 486-91.

8. **Gianaros PJ,** •Bleil ME, Muldoon MF, Jennings JR, McCaffery JM, Sutton-Tyrrell KC, Manuck SB (2002). Is cardiovascular reactivity associated with atherosclerosis among hypertensives? *Hypertension, 40,* 742-7.

9. Jennings JR, van der Molen MW, Somsen RJM, Graham R, **Gianaros PJ** (2002). Vagal function in health and disease: Studies in Pittsburgh. *Physiol Beh*, 77, 693-8.

10. **Gianaros PJ,** Quigley KS, Muth ER, Levine ME, Vasko RC, Stern RM (2003). Relationship between temporal changes in cardiac parasympathetic activity and motion sickness severity. *Psychophysiology*, 40, 39-44.

11. **Gianaros PJ,** van der Veen FM, Jennings JR (2004). Regional cerebral blood flow correlates with heart period and high-frequency heart period variability during working memory tasks: Implications for the cortical and subcortical regulation of cardiac autonomic activity. *Psychophysiology*, 41, 521-30.

12. **Gianaros PJ,** •May JC, Siegle GJ, Jennings JR (2005). Is there a functional neural correlate of individual differences in cardiovascular reactivity? *Psychosom Med*, 67, 31-9.

13. **Gianaros PJ,** Salomon K, Zhou F, Owens JF, Edmundowicz D, Kuller LH, Matthews KA (2005). A greater reduction in high-frequency heart rate variability to a psychological stressor is associated with subclinical coronary and aortic calcification in postmenopausal women. *Psychosom Med*, 67, 553-60.

14. **Gianaros PJ** (2006). A seminar on scientific writing for students, postdoctoral trainees, and junior faculty. *Teaching of Psychology*, 33, 120-3.

15. **Gianaros PJ,** Derbyshire SW, •May JC, Siegle GJ, •Gamalo MA, Jennings JR (2005). Anterior cingulate activity correlates with blood pressure during stress. *Psychophysiology*, 42, 627-35.

16. **Gianaros PJ,** Greer PJ, Ryan CM, Jennings JR (2006). Higher blood pressure predicts lower regional grey matter volume: Consequences on short-term information processing. *NeuroImage*, 31, 754-65.

17. **Gianaros PJ,** Jennings JR, Sheu LK, Derbyshire SW, Matthews KA (2007). Heightened functional neural reactivity to psychological stress covaries with exaggerated blood pressure reactivity. *Hypertension*, 49, 134-40.

18. **Gianaros PJ,** Jennings JR, Sheu LK, Greer PJ, Kuller LH, Matthews KA (2007). Prospective reports of chronic life stress predict decreased grey matter volume in the hippocampus. *NeuroImage*, 35, 795-803.

19. **Gianaros PJ,** •Horenstein JA, Cohen S, Matthews KA, Brown SM, Flory JD, Critchley HD, Manuck SB, Hariri AR (2007). Perigenual anterior cingulate morphology covaries with perceived social standing. *Soc Cog Affect Neurosci*, 2, 161-73.\*

*\**Editorial in *Soc Cog Affect Neurosci*, Sept 2007, Vol. 2, pp. 159-60.

20. ••Conklin SM, **Gianaros PJ**, Brown SM, Yao JK, Hariri AR, Manuck SB, Muldoon MF (2007). Long-chain Ω-3 fatty acid intake is positively associated with gray matter volume in healthy adults. *Neurosci Lett*, 421, 209-12.

21. Marsland AL, **Gianaros PJ,** •Prather AA, Jennings JR, Neumann SA, Manuck SB (2007). Stimulated production of proinflammatory cytokines covaries inversely with heart rate variability. *Psychosom Med*, 69, 709-16.

22. Matchock RL, Levine ME, **Gianaros PJ**, Stern RM (2008). Susceptibility to nausea and motion sickness as a function of the menstrual cycle. *Womens Health Issues*, 18, 328-35.

23. **Gianaros PJ**, •Horenstein JA, Hariri AR, Sheu LK, Manuck SB, Matthews KA, Cohen S (2008). Potential neural embedding of parental social standing. *Soc Cog Affect Neurosci*, 3, 91-6.

24. **Gianaros PJ**, Sheu LK, Matthews KA, Jennings JR, Manuck SB, Hariri AR (2008). Individual differences in stressor-evoked blood pressure reactivity vary activation, volume, and functional connectivity of the amygdala. *J Neurosci*, 28, 990-9.\*

*\**Editor’s Choice Selection in *Science*, Feb 2008, Vol. 319, pp. 878-9.

25. •Bleil ME, **Gianaros PJ**, Jennings JR, Flory JD, Manuck SB (2008). Trait negative affect: Toward an integrated model of understanding psychological risk for impairment in cardiac autonomic function. *Psychosom Med*, 70, 328-37.

26. Marsland A, **Gianaros PJ**, Brown SM, Manuck SB, Hariri AR (2008). Interleukin-6 covaries inversely with hippocampal grey matter volume in middle-aged adults. *Biol Psychiatry*, 64, 484-90.

27. •Egizio VB, Jennings JR, ••Christie IC, Sheu LK, Matthews KA, **Gianaros PJ** (2008). Cardiac-vagal activity during psychological stress varies with social functioning in older women. *Psychophysiology*, 45, 1046-54.

28. Aizenstein HJ, Butters MA, •Wu M, Mazurkewicz LM, Stenger VA, **Gianaros PJ**, Becker JT, Reynolds III CF, Carter CS (2009). Altered functioning of the executive control circuit in late-life depression: Episodic and persistent phenomena. *Am J Geriatr Psychiatry*, 17, 30-42.

29. Matthews SC, Simmons AN, Strigo IA, **Gianaros PJ**, Yang T, Paulus MP (2009). Inhibition-related activity in subgenual cingulate is associated with symptom severity in major depressive. *Psychiatry Res*, 172,1-6.

30. **Gianaros PJ,** Hariri AR, Sheu LK, Sutton-Tyrrell K, Muldoon MF, Manuck SB (2009). Preclinical atherosclerosis covaries with individual differences in reactivity and functional connectivity of the amygdala. *Biol Psychiatry*, 65, 943-50.

31. **Gianaros PJ,** Sheu LK, Remo AM, ••Christie IC, Crtichley HD, Wang JJ (2009). Heightened resting neural activity predicts exaggerated stressor-evoked blood pressure reactivity. *Hypertension*, 53, 819-25.

32. Soreca I, Rosano C, Jennings JR, Sheu LK, Kuller LH, Matthews KA, Aizenstein HJ, **Gianaros PJ** (2009). Gain in adiposity across 15 years is associated with reduced gray matter volume in healthy women. *Psychosom Med*, *71*, 485-90.\*

*\**Editorial in *Psychosom Med*, June 2009, Vol. 71, pp. 483-4.

33. **Gianaros PJ** & Sheu LK (2009). A review of neuroimaging studies of stressor-evoked blood pressure reactivity: Emerging evidence for a brain-body pathway to coronary heart disease risk. *NeuroImage*, 47,922-36.

34. Gray MA, Minati L, Harrison NA, **Gianaros PJ**, Napadow V, Critchley HD (2009). Physiological recordings: Basic concepts and implementation during functional magnetic resonance imaging. *NeuroImage*, 47, 1105-15.

35. McEwen BS & **Gianaros PJ** (2010). Central role of the brain in stress and adaptation: Links to socioeconomic status, health, and disease. *Ann N Y Acad Sci*, 1186,190-222.

36. Manuck SB, •Phillips JE, **Gianaros PJ**, Flory JD, Muldoon MF (2010). Subjective socioeconomic status and the metabolic syndrome. *Psychosom Med*, 72, 35-45.

37. Jedema HP, **Gianaros PJ**, Greer PJ, Kerr DD, Liu S, Higley JD, Suomi SJ, •Olsen AS, •Porter JN, Lopresti BJ, Hariri AR, Bradberry CW (2010). Cognitive impact of genetic variation of the serotonin transporter in primates is associated with differences in brain morphology rather than serotonin neurotransmission. *Mol Psychiatry*, 15, 512-22.\*

*\**Cover image, *Mol Psychiatry*, 15: 446; doi:10.1038/mp.2010.49

38. **Gianaros PJ** &Manuck SB (2010). Neurobiological pathways linking socioeconomic position and health. *Psychosom Med*, 72, 450-61.

39. Harrison N., Gray M, **Gianaros PJ**, Critchley H. (2010). The embodiment of emotional feelings in the brain. *J Neurosci*, 30, 12878-84.

40. **Gianaros PJ**, Manuck SB, Sheu LK, Kuan DCH, Votruba-Drzal E, •Craig AE, Hariri AR (2011). Parental education predicts corticostriatal functionality in adulthood. *Cereb Cortex*, 21, 896-910.

41. McEwen BS & **Gianaros PJ** (2011). Stress- and allostasis-induced brain plasticity. *Annu Rev Med,* 62, 431-45.

42.••Ryan JP, Sheu LK, **Gianaros PJ** (2011). Resting state functional connectivity within the cingulate cortex jointly predicts agreeableness and stressor-evoked cardiovascular reactivity. *NeuroImage*, 55, 363-70.

43. Cyranowski JM, Hofkens TL, Swartz HA, Frank E, **Gianaros PJ** (2011). Thinking about a close relationship differentially impacts cardiovascular stress responses among depressed and non-depressed women. *Health Psychol*, 30, 276-84.

44. Cyranowski JM, Hofkens TL, Swartz HA, Salomon K, **Gianaros PJ** (2011). Cardiac vagal control in depressed and nondepressed controls: Impact of depression status, lifetime trauma history, and respiratory factors. *Psychosom Med*, 73, 336-43.

45. Jennings JR, •Mendelson DN, Muldoon MF, Ryan C, **Gianaros PJ**, Raz N, Aizenstein HJ (2012). Regional grey matter shrinks in hypertensive individuals despite successful lowering of blood pressure. *J Hum Hypertension*, 26, 295-305.

46. ••Franzen PL, **Gianaros PJ**, Marsland AL, Hall MH, Siegle GJ, Dahl RE, Buysse DJ (2011). Cardiovascular reactivity to acute psychological stress following sleep deprivation. *Psychosom Med*, 73, 679-82.

47. 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.

48. **Gianaros PJ**, •Onyewuenyi IC, Sheu LK, ••Christie IC, Critchley HD (2012). Brain systems for baroreflex suppression during stress in humans. *Hum Brain Mapp*, 33, 1700-16.

49. ••Ryan JP, Sheu LK, Critchley HD, **Gianaros PJ** (2012). A neural circuitry linking insulin resistance to depressed mood. *Psychosom Med*, 74, 476-82.

50. Sheu LK, Jennings JR, **Gianaros PJ** (2012). Test-retest reliability of an fMRI paradigm for studies of cardiovascular reactivity. *Psychophysiology*, 49, 873-84.

51. ••Minkel JD, McNealy K, **Gianaros PJ**, Drabant EM, Gross JJ, Manuck SB, Hariri AR (2012). Sleep quality and neural circuit function supporting emotion regulation. *Biology of Mood & Anxiety Disorders, 2, 22: doi:10.1186/2045-5380-2-22*

52. ••Ginty A, **Gianaros PJ**, Derbyshire SW, Phillips AC, Carroll D (2013). Blunted cardiac stress reactivity relates to neural hypoactivation. *Psychophysiology*, 50, 219-25.

53. ••Christie IC, **Gianaros PJ** (2013). PhysioScripts: An extensible, open source platform for the processing of physiological data. *Behav Res Methods,* 45, 125-31.

54. •Sweitzer MM, Halder I, Flory JD, •Craig AE, **Gianaros PJ**, Ferrell RE, Manuck SB (2012). Polymorphic variation in the dopamine D4 receptor predicts delay discounting as a function of childhood socioeconomic status: evidence for differential susceptibility. *Soc Cog Affect Neurosci*, 8, 499-508.

55. **Gianaros PJ**, Marsland AL, Sheu LK, Erickson KI, Verstynen TD (2013). Inflammatory pathways link socioeconomic inequalities to white matter architecture. *Cereb Cortex*, 23, 2058-71.

56. Verstynen T, •Weinstein AW, Erickson KI, Sheu LK, Marsland AL, **Gianaros PJ** (2013). Competing physiological pathways link individual differences in weight and abdominal adiposity to white matter microstructure. *NeuroImage*, 79, 129-37.

57. •TarenAT, Creswell JD, **Gianaros PJ** (2013). Differential effects of stress and mindfulness on grey matter volume in caudate and amygdala in a healthy adult population. *PloS One,* 8, e64574.

58. Rosano C, Chang Y-F, Kuller LH, Guralnik JM, Studenski SA, Aizenstein HJ, **Gianaros PJ**, Lopez OL, Longstreth WT, Newman AB (2013). Long-term survival in adults 65 years and older with white matter hyperintensity: Association with performance on the digit symbol substitution test. *Psychosom Med*, 75, 624-31.

59. ••Hughes TM, Ryan CM, Aizenstein H, Nunley K, **Gianaros PJ**, Miller R, Costacou T, Strotmeyer ES, Orchard TJ, Rosano C (2013). Spatial distribution of gray matter atrophy in middle aged adults with Type 1 Diabetes. *J Diabetes Complications*, 27, 558-64.

60. Jennings JR, •Heim A, Kuan DC-H, **Gianaros PJ**, Muldoon MF, Manuck SB (2013). Utility of total cerebral blood flow as an imaging biomarker of known cardiovascular risks. *Stroke, 44, 2480-5*2.

61. **Gianaros PJ**, ••Hackman D (2013). Contributions of neuroscience to the study of socioeconomic health disparities. *Psychosom Med*, 75, 624-31.

62. ••Ryan JP, •Onyewuenyi IC, Verstynen TD, Sheu LK, **Gianaros PJ** (2013). Cerebral blood flow links insulin resistance and baroreflex sensitivity. *PLoS One,* 8, e83288.

63. •Onyewuenyi IC, ••Christie IC, Erickson KI, Sheu LK, **Gianaros PJ** (2014). Basal ganglia morphology links the metabolic syndrome and depressive symptoms. *Physiol Beh,* 123, 214-22.

64. **Gianaros PJ**, MarslandAL, KuanD C-H, Jennings JR, SheuLK, HaririAR, GrossJJ, Manuck SB (2014).An inflammatory pathway links atherosclerotic cardiovascular disease risk to neural activity evoked by the cognitive regulation of emotion. *Biol Psychiatry, 75, 738-45.*

65. Wager TD, **Gianaros PJ** (2014). The social brain, stress and psychopathology. JAMA: Psychiatry, 71, 622-4.

66. ••Allen B, Jennings JR, **Gianaros PJ**, Thayer JF, Manuck SB (2015). Resting high-frequency heart rate variability is related to resting brain perfusion. Psychophysiology, 52, 277-87.

67.••Banihashemi L, Sheu LK, **Gianaros PJ** (2015). Childhood physical abuse correlates with adulthood stressor-evoked activity in limbic forebrain and hypothalamic regions. Soc Cog Affect Neurosci, 10, 474-85.

68. ••Chang LJ, **Gianaros PJ**, Manuck SB, Krishnan A, Wager TD (2015). A sensitive and specific neural signature for picture-induced negative affect. PLOS: Biology 13, 6, e1002180.

69. **Gianaros PJ** & Wager TD (2015). Brain body pathways linking psychological stress and physical health. Curr Dir Psychol Sci, 24, 313-21.

70. •Gilliam M, Forbes EE, **Gianaros PJ**, Erickson KI, Brennan LM, Shaw DS (2015). Maternal depression in childhood and aggression in young adulthood: Evidence for mediation by offspring amygdala:hippocampal volume ratio. J Child Psychol Psychiatry, 56, 1083-91.

71. Jennings JR, ••Allen B, **Gianaros PJ**, Thayer JF, Manuck SB (2015). Focusing neurovisceral integration: cognition, heart rate variability, and cerebral blood flow. Psychophysiology, 52, 214-24.

72. Lee JL, Woodard GA, **Gianaros PJ**, Barinas-Mitchell E, Tepper PG, Conroy MB (2015). Ectopic adiposity is associated with autonomic risk factors and subclinical cardiovascular disease in young adults. Obesity, 23, 2030-6.

73. Marsland AL, **Gianaros PJ**, Kuan DCH, Sheu LK, Krajina K, Manuck SB (2015). Brain morphology links systemic inflammation to cognitive function in midlife adults. Brain Beh Immun, 48, 195-204.

74. ••Metti AL, Aizenstein A, Yaffe K,Boudreau RM, Newman A, Launer L, **Gianaros PJ**, Lopez OL, Saxton J, Ives DG, Kritchevsky S, Vallejo AN, Rosano C (2015). Trajectories of peripheral interleukin-6, structure of the hippocampus, and cognitive impairment over 14 years in older adults. Neurobiol Aging, 36, 3038-44.

75. Molesworth T, Sheu LK, Cohen S, **Gianaros PJ**, Verstynen TD (2015). Social network diversity and white matter microstructural integrity in humans. Soc Cog Affect Neurosci, 10, 1169-76.

76. •Miller MA, •Leckie RL, •Donofry SD, **Gianaros PJ**, Erickson KI, Manuck SB, Roecklein KA (2015). Photoperiod is associated with hippocampal volume in a large community sample. Hippocampus. 25, 534-43.

77. •Oberlin LE, Manuck SB, **Gianaros PJ**, Ferrell RE, Muldoon MF, Jennings JR, Flory JD, Erickson KI (2015). Blood oressure interacts with APOE ε4 to predict memory performance in a midlife sample. Neuropsychol, 29, 693-702.

78. •Taren A, **Gianaros PJ,** Greco C, •Lindsay E, Fairgrieve A, Brown K, Rosen R, Ferris J, Marsland A, Julson E, Bursley J, Ramsburg J, Creswell D (2015). Mindfulness meditation training increases resting state functional connectivity between dorsolateral prefrontal cortex and frontoparietal control regions: A randomized controlled trial. Soc Cog Affect Neurosci, 10, 1758-68.

79. •Yau W-Y, Tudorascu DL, McDade E, Price JC, Lopez O, Mathis CA, Aizenstein HJ, Mowrey W, Snitz BE, Weissfeld L, James J, Ikonomovic S, Minhas D, Sheu LK, **Gianaros PJ**, Klunk WE (2015). Longitudinal change of neuroimaging and clinical markers in autosomal dominant Alzheimer's disease: Exploring across-group and within-individual progression. Lancet: Neurol, 14, 804-13.

80. •Allen B, Muldoon MF, **Gianaros PJ**, Jennings JR (2016). Higher blood pressure partially links greater adiposity to reduced brain white matter integrity. Am J Hypertension, 29, 1029-37.

81. Cohen S, **Gianaros PJ**, Manuck SB (2016). A stage model of stress and disease. Perspect Psychol Sci, 11, 456-63.

82. Creswell JD, ••Taren AA, •Lindsay EK, Greco CM, **Gianaros PJ**, Fairgrieve A, Marsland AL, Brown KW, Way BM, Rosen RK, Ferris JL (2016). Alterations in resting state functional connectivity link mindfulness meditation with reduced interleukin-6. Biol Psychiatry, 80, 53-61.

83. ••Dermody S, Wright A, Cheong JW, ••Miller K, Muldoon M, Flory J, **Gianaros PJ**, Marsland AL, Manuck SB (2016). Personality correlates of midlife cardiometabolic risk: The explanatory role of higher-order factors of the five factor model. J Personality, 84, 765-76.

84. Jennings JR, Sheu LK, Kuan D C-H, Manuck SB, **Gianaros PJ** (2016). Resting state connectivity of the medial prefrontal cortex covaries with individual differences in high-frequency heart rate variability. Psychophysiology, 53, 444-54.

85. ••Lockwood KG, Marsland AL, Cohen S, **Gianaros PJ** (2016). Sex differences in the association between stressor-evoked interleukin-6 reactivity and C-reactive protein. Brain Beh Immun, 58, 173-80.

86. Rosso AL, Flatt JD, Carlson MC, Lovasi GS, Rosano C, Brown AF, Matthews KA, **Gianaros PJ** (2016). Neighborhood socioeconomic status and cognitive function in late life. Am J Epidemiol, 183, 1088-97.

87. Banihashemi L, Wallace ML, Sheu LK, Lee MC, **Gianaros PJ**, Mackenzie RP, Insana SP, Germain A, Herringa RJ (2017). Childhood maltreatment moderates the effect of combat exposure on cingulum structural integrity. Develop Psychopath, 29, 1735-47.

88. **Gianaros PJ**, Kuan D C-H, Marsland AL, Sheu LK, •Hackman DA, ••Miller KG, Manuck SB (2017). Community socioeconomic disadvantage in midlife relates to cortical morphology via neuroendocrine and cardiometabolic pathways. Cereb Cortex, 27, 460–73.

89. •Ginty AT, ••Kraynak TE, Fisher JP, **Gianaros PJ** (2017) Cardiovascular and autonomic reactivity to psychological stress: Neurophysiological substrates and links to cardiovascular disease. Autonom Neurosci: Bas Clin, 207, 2-9.

90. •Ginty AT, Muldoon MF, Kuan DC, ••Schirda B, Kamarck TW, Jennings JR, Manuck SB, **Gianaros PJ** (2017). Omega-3 supplementation and the neural correlates of negative affect and impulsivity: A double-blind, randomized, placebo-controlled trial in midlife adults. Psychosom Med, 79, 549-56.

91. Hall PA, Erickson KI, **Gianaros PJ** (2017). The neurobiology of health communication: Neuroscience methods in the conduct of biobehavioral medicine research. Psychosom Med, 79, 376-8.

92. Jennings JR, Muldoon MF, Ryan C, Gach M, Heim A, Sheu LK, **Gianaros PJ** (2017). Pre-hypertensive blood pressures and regional cerebral blood flow independently relate to cognitive performance. J Am Heart Assoc, 6, e004856

93. Marsland AL, Kuan DC, Sheu LK, Krajina K, •Kraynak TE, Manuck SB, **Gianaros PJ** (2017). Systemic inflammation and resting state connectivity of the default mode network. Brain Beh Immun, 62, 162-70.

94. •Stillman CM, Weinstein AM, Marsland AL, **Gianaros PJ**, Erickson KI (2017). Body-brain connections: The effects of obesity and behavioral interventions on neurocognitive aging. Frontiers Aging Neurosci, 9: 115.

95. ••Taren A, **Gianaros PJ**, Greco CM, •Lindsay EK, Fairgrieve A, Brown KW, Rosen RK, Ferris JL, Julson E, Marsland AL, Creswell JD (2017). Mindfulness meditation training and resting state functional connectivity between dorsolateral prefrontal cortex and frontoparietal control regions: a randomized controlled trial. Psychosom Med, 79, 674-83.

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**CONFERENCE PRESENTATIONS**

**Published abstracts and conference presentations**

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50. Remo AM, Marsland AL, Sheu LK, Manuck SB, Hariri AR, Muldoon MF, **Gianaros PJ** (2009). C-Reactive protein covaries inversely with white matter volume in middle-aged adults. Annual Meeting of the American Psychosomatic Society, Chicago, IL. *Psychosom Med,* 71, A-108. (poster)

51. Soreca I, Rosano C, Jennings JR, Sheu LK, Kuller LH, Matthews KA, Aizenstein HJ, **Gianaros PJ** (2009). Gain in adiposity across 15 years is associated with reduced gray matter volume in healthy women. Annual Meeting of the American Psychosomatic Society, Chicago, IL. *Psychosom Med,* 71, A-8. (oral presentation)

52. Sheu LK & **Gianaros PJ** (2009). A meta-analysis of neuroimaging studies of blood pressure reactivity to psychological stress. Annual Meeting of the Organization for Human Brain Mapping. San Francisco, CA. *NeuroImage,* 47, S1. (poster)

53. •Onyewuenyi IC, Muldoon MF, Hariri AR, Manuck SB, **Gianaros PJ** (2009). Meeting more criteria of the metabolic syndrome associates with reduced gray matter volume. Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany. *Psychophysiology,* 46,S149. (poster)

54. **Gianaros PJ** (2010). Stressor-evoked suppression of the baroreflex covaries with functional activity in a distributed corticolimbic circuitry. Annual Meeting of the American Psychosomatic Society, Portland, OR. *Psychosom Med*, 72, A-15. (oral presentation)

55. ••Christie IC, Sheu LK, •Onyewuenyi IC, **Gianaros PJ** (2010). Effective connectivity between corticolimbic brain areas during stress predicts magnitude of baroreflex suppression. Annual Meeting of the American Psychosomatic Society, Portland, OR. *Psychosom Med*, 72, A-23. (oral presentation)

56. ••Zanstra YJ, Sheu LK, Kuan CH, Manuck SB, Cohen S, **Gianaros PJ** (2010). Sex-dependent covariation between cerebral blood flow to corticolimbic brain areas and social integration. Annual Meeting of the American Psychosomatic Society, Portland, OR. *Psychosom Med*, 72, A-33. (poster)

57. ••Ryan JP, Sheu LK, **Gianaros PJ** (2010). Functional connectivity of the cingulate cortex jointly covaries with agreeableness and stressor-evoked cardio-vascular reactivity. Annual Meeting of the American Psychosomatic Society, Portland, OR. *Psychosom Med*, 72, A-42. (poster)

58. •Onyewuenyi IC, Muldoon MF, Hariri AR, Manuck SB, **Gianaros PJ** (2010). Metabolic syndrome covaries with reduced grey matter volume in the hippocampus. Annual Meeting of the American Psychosomatic Society, Portland, OR. *Psychosom Med*, 72, A-135. (poster)

59. Sheu LK & **Gianaros PJ** (2010). Test-retest reliability of a neuroimaging stress battery. Annual Meeting of the Organization for Human Brain Mapping. Barcelona, Spain. *NeuroImage*, 48, S1. (poster)

60. ••Christie IC, Sheu LK, •Onyewuenyi IC, **Gianaros PJ** (2010). Stressor-evoked suppression of baroreflex sensitivity covaries with functional activity in corticolimbic circuits. Annual Meeting of the Society for Psychophysiological Research, Portland, OR. *Psychophysiology*, 47, S7. (oral presentation)

61. •Onyewuenyi IC, ••Christie IC, Erickson KI, Sheu LK, **Gianaros PJ** (2011). Presence of the metabolic syndrome covaries with basal ganglia morphology and anhedonia. Annual Meeting of the American Psychosomatic Society, San Antonio, TX. *Psychosom Med*, 73, A-88. (poster)

62. •Egizio V, ••Christie IC, •Onyewuenyi IC, Sheu LK, ••Ryan JP, **Gianaros PJ** (2011). Resting state brain correlates of baroreflex function. Annual Meeting of the American Psychosomatic Society, San Antonio, TX. *Psychosom Med*, 73, A-75-A-78. (poster)

63. ••Ryan JP, Sheu LK, Critchley HD, **Gianaros PJ** (2011). Functional connectivity between insula and ventral striatum jointly covaries with insulin resistance and depressive symptoms. Annual Meeting of the American Psychosomatic Society, San Antonio, TX. *Psychosom Med*, 73, A-22. (poster).

64. ••Banihashemi L, Sheu LK, **Gianaros PJ** (2011). Childhood physical abuse correlates with adulthood stressor-evoked activity in limbic forebrain and hypothalamic regions. Annual Meeting of the American Psychosomatic Society, San Antonio, TX. *Psychosom Med*, 73, A-10-A-11. (oral presentation)

65. ••Christie IC, •Onyewuenyi IC, **Gianaros PJ** (2011). Baroreflex functionality as a mediator of stressor-evoked cardiovascular reactivity. Annual Meeting of the American Psychosomatic Society, San Antonio, TX. *Psychosom Med*, 73, A-48-A-49. (poster presentation)

66. 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 2011 meeting, Minneapolis, MN. Sleep, 34S, A-67. (oral presentation)

67. ••Ryan JP, **Gianaros PJ**, •Onyewuenyi IC, Verstynen TD, Sheu LK (2013). Cerebral blood flow links insulin resistance and baroreflex sensitivity. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-53. (poster)

68. •Onyewuenyi IC, Sheu LK, McRae K, Gross JJ, **Gianaros, PJ** (2013). Cognitive control brain systems underlying the association between reappraisal and the metabolic syndrome. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-51. (citation poster)

69. •Miller KM, Kamarck TW, Muldoon MF, **Gianaros PJ**, Manuck SB (2013). Flatter diurnal cortisol slope on work-days is associated with preclinical atherosclerosis. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-47. (oral presentation)

70. ••Ginty AT, **Gianaros PJ**, Derbyshire SW, Phillips AC, Carroll D (2013). Blunted cardiac stress reactivity relates to neural hypoactivation. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-7. (oral presentation)

71. ••Ginty AT, **Gianaros PJ**, Derbyshire SW, Phillips AC, Carroll D (2013). Extreme stress responses and regional grey matter volume differences. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-98. (poster)

72. **Gianaros PJ**, MarslandAL, KuanD C-H, Jennings JR, SheuLK, HaririAR, GrossJJ, Manuck SB. (2013).Interleukin-6 mediates the relationship between neural activity evoked by the cognitive regulation of emotion and preclinical atherosclerosis. Annual Meeting of the American Psychosomatic Society, Miami, FL. *Psychosom Med*, 75, A-3. (oral presentation)

73. \*\*Chang LJ, **Gianaros PJ**, Manuck SB, Krishnan A, Wager TD (2014). Picture induced negative emotion pattern differentates aversive expeiences. Annual meeting of Social and Affective Neuroscience Society (poster)

74. \*\*Banihashemi L, Herringa R, Sheu LK, Germain A, **Gianaros PJ** (2014). Childhood adversity is associated with resting perfusion within central visceral regions and the structural integrity of stria terminalis within healthy and PTSS groups. Annual meeting of Society of Biological Psychiatry (poster)

75. \*Messay B, Marsland AL, **Gianaros PJ** (2014). Goal adjustment ability predicts magnitude of emotional and cardiovascular reactivity to an unsolvable anagram task. Annual meeting of the Society of Behavioral Medicine (poster)

76. Creswell JD, \*Taren A, **Gianaros PJ** (2014). Neural pathways of mindfulness and stress reduction: amygdala functional connectivity co-varies with dispositional mindfulness and changes with mindfulness meditation training. Annual meeting of the American Psychosomatic Society (oral presentation)

77. Marsland AL, **Gianaros PJ**, Sheu L, Kuan C-H, Erickson KI, Muldoon M, Manuck S (2014). Systemic inflammation covaries inversely with brain structure and associated cognitive function in midlife adults. Annual meeting of the American Psychosomatic Society (oral presentation)

78. \*Onyewuenyi I, Sheu L, **Gianaros PJ** (2014). Heightened regional cerebral blood flow in the amygdala covaries with preclinical atherosclerosis. Annual meeting of the American Psychosomatic Society (oral presentation)

79. \*\*Allen B, Jennings JR, Muldoon MF, **Gianaros PJ**, Heim A (2014). Reduced thalamic gray matter volume in prehypertensive vs. normotensive adults. Annual meeting of the American Psychosomatic Society (oral presentation)

80. \*Gujral S, Alessi M, Manuck S, **Gianaros PJ**, Erickson KI (2014). Socioeconomic associations with depressive symptoms: unique contributions of multiple SES indicators. Annual meeting of the American Psychosomatic Society (poster presentation)

81. Molesworth T, Sheu L, Cohen S, **Gianaros PJ**, Verstynen T (2014). Social network diversity predicts white matter microstructural integrity in humans. Annual meeting of the American Psychosomatic Society (poster presentation)

82. \*Lockwood KG, Marsland AL, Manuck SB, **Gianaros PJ** (2014). Subjective socioeconomic status is associated with preclinical atherosclerosis. Annual meeting of the American Psychosomatic Society (poster presentation)

83. \*Wong PM, **Gianaros PJ**, Anderson B, Sheu LK, Kuan C-H, Kamarck TW, Manuck SB (2014). Sleep duration and intra-individual variability in sleep schedules associate with differences in hippocampal and amygdalar volume. Annual meeting of the American Psychosomatic Society (poster presentation)

84. \*Wong PM, Kamarck TW, Anderson B, Manuck SB, Muldoon MF, **Gianaros PJ** (June 2014) Irregularity in sleep schedules and insulin resistance independently associate with hippocampal volume. Annual meeting of SLEEP (poster presentation)

85. Sheu LK, MarslandAL, \*\*Hackman DA, Kuan C-H, **Gianaros PJ** (2014). Antioxidant and inflammatory pathways link socioeconomic position to brain morphology. Annual meeting of Organization for Human Brain Mapping (poster presentation)

86. \*Miller MA, \*Leckie RL, **Gianaros PJ**, Erickson KI, Manuck SB, Roecklein KA (2014) Preliminary evidence for seasonal plasticity in hippocampal volume. Annual meeting of Society of Biological Psychiatry (poster)

87. \*Tripathy S, Tunno B, \*Shmool JLC, Michanowicz DR, Manuck SB, **Gianaros PJ**, Clougherty JE (2014). Residential outdoor air pollution and brain morphology in the Adult Health and Behavior (AHAB II) Cohort in Pittsburgh. Annual meetings of the International Society of Environmental Epidemiology and International Society of Exposure Science.

88. Banihashemi L, Sheu LK, **Gianaros PJ**, Anne Germain A, Ryan Herringa R (2015). Childhood adversity predicts the structural integrity of limbic white matter tracts in combat veterans. Biennial meeting of the Society for Research in Child Development (poster)

89. **Gianaros PJ**, \*Miller K, Marsland AL, Manuck SB (2015). Cortisol and cardiovascular risk link community socioeconomic disadvantage to brain morphology. Annual meeting of the American Psychosomatic Society (oral presentation)

90. \*\*Ginty AT, **Gianaros PJ**, de Rooij SR, Carroll D, Jennings JR (2015). Cardiovascular reactions to acute psychological stress and cognitive function: Results from four independent studies. Annual meeting of the American Psychosomatic Society (oral presentation)

91. Hackman D, **Gianaros PJ**, Kuan D, Manuck S (2015). Higher parental education may protect against age-related decline of regional cerebral blood flow in the prefrontal cortex. Biennial meeting of the Society for Research in Child Development (oral presentation)

92. \*Lockwood KG, **Gianaros PJ**, Marsland AL (2015). Early life family assets predict acute stressor evoked changes in IL6 in adulthood. Annual meeting of the American Psychosomatic Society (poster)

93. Marsland AL, Manuck SB, Kuan DC, **Gianaros PJ** (2015). Systemic inflammation relates to connectivity of the default mode network in midlife adults. Annual meeting of the American Psychosomatic Society (oral presentation)

94. Muldoon MF, Laderian B, Kuan DC, Sereika SM, Marsland AL, **Gianaros PJ**, Jennings JR, Manuck SB (2015). Fish oil supplementation does not lower chronic inflammation or alter autonomic nervous system function in healthy adults. Annual meeting of the American Psychosomatic Society (oral presentation)

95. Ordaz S, Hackman D, Rosenblum S, Foran W, **Gianaros PJ**, Luna B (2015). Sex differences in the relation between socioeconomic status and longitudinal trajectories of brain function. Annual meeting of the Flux Congress (poster)

96. Rosso AL, \*\*Flatt JD, Carlson MC, Lovasi GS, Rosano C, Brown AF, Matthews KA, Diez Roux AV, **Gianaros PJ** (2015). Neighborhood socioeconomic status, race, and cognitive function in late life. Annual meeting of the Gerontological Society of America (poster)

97. Rosso AL, \*\*Flatt JD, Carlson MC, Lovasi GS, Rosano C, Brown AF, Matthews KA, Diez Roux AV, **Gianaros PJ** (2015). Neighborhood socioeconomic status, cognitive function, and small vessel disease. Annual meeting of the American Academy of Neurology (platform presentation)

98. \*Tripathy S, Tunno B, Michanowicz DR, Shmool JLC, **Gianaros PJ**, Clougherty JE (2015). Spatial variation in lead and manganese metal constituents of fine particulate matter. Annual meetings of the International Society of Environmental Epidemiology and International Society of Exposure Science (poster)

99. Cheng HH, **Gianaros PJ**, Kamarck TW, Roecklein KA, Tsung A, Geller D, Marsh M, Ahmed N, Steel J (2016). Gender differences and socioeconomic disparities of depression and IL-2 with regard to survival in hepatocellular carcinoma. 37th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine (poster)

100. \*Donofry SD, **Gianaros PJ**, Wright AGC, Muldoon MF, Manuck SB (2016). The relationship of cardiometabolic risk to basal ganglia volume in midlife adults. Paper presented at the annual meeting of the British Feeding and Drinking Group (oral presentation)

101. \*Donofry SD**, Gianaros PJ**, Wright AGC, Muldoon MF, Manuck SB (2016). The relationship of cardiometabolic risk to basal ganglia volume in midlife adults. Poster presented at the annual meeting of the Society for Biological Psychiatry (poster)

102. **Gianaros PJ**, Marsland AL, \*\*Hackman D, Janicki Deverts D, Sheu LK (2016). Antioxidant and inflammatory pathways link socioeconomic disadvantage to brain morphology. Annual Meeting of the American Psychosomatic Society (oral presentation)

103. \*\*Ginty AT, Muldoon MF, Kuan DC, Schirda B, Kamarck TW, Jennings JR, Manuck SB, **Gianaros PJ** (2016). Omega-3 supplementation and the neural correlates of mood and impulsivity: A double-blind, randomized, placebo-controlled trial in midlife adults. Annual Meeting of the American Psychosomatic Society (oral presentation)

104. \*\*Ginty AT, Carroll D, Sheu LK, **Gainaros PJ** (2016). Stressor-evoked ventromedial prefrontal cortex connectivity and autonomic regulation. Annul Meeting of the American Psychosomatic Society (poster)

105. \*Kraynak TE, Marsland AL, Manuck SB, **Gianaros PJ** (2016). Circulating interleukin-6 covaries with resting brain network connectivity and topology in midlife adults. Annual Meeting of the American Psychosomatic Society (oral presentation)

 106. \*Kraynak TE, Marsland AL, Wager TD, **Gianaros PJ** (2016). Functional neuroimaging of human brain-immune interactions: a quantitative meta-analysis. Annual Meeting of the American Psychosomatic Society (oral presentation)

107. \*Lockwood KG**,** Marsland AL, **Gianaros PJ** (2016). Stressor-evoked interleukin-6 reactivity correlates with brainstem activation in healthy midlife adults. Annual Meeting of the 2016 American Psychosomatic Society (oral presentation)

108. \*Lockwood KG**,** Marsland AL, **Gianaros, PJ** (2016). Sex differences in the association between acute stressor-evoked interleukin-6 responses and C-reactive protein. Annual Meeting of the American Psychosomatic Society (oral presentation)

109. \*Miller KG, **Gianaros PJ**, Jennings JR, Manuck SB (2016). Greater fear bias associates with lower heart rate variability. Annual Meeting of the American Psychosomatic Society (poster)

110. \*Tripathy S, Tunno B, Michanowicz D, Kinnee E, Shmool JL, **Gianaros P**, Clougherty J (2016). Outdoor Air Pollution and Brain Morphology in the Adult Health and Behavior II and Pittsburgh Imaging Project Cohorts 26th Annual Meeting of the International Society of Exposure Science: Interdisciplinary Approaches to Health and the Environment (oral presentation)

111. \*Tripathy S, Tunno B, Michanowicz D, Kinnee E, Shmool JL, **Gianaros P**, Clougherty J (2017). Ambient Fine Particulate Matter, Metal Constituents, and Brain Morphology. 28th Conference of the International Society of Environmental Epidemiology: Old and New Risks, Challenges for Environmental Epidemiology (poster)

112. Jennings JR, Heim A, Sheu LK, Muldoon MF, Ryan C, Gach MH, **Gianaros PJ** (2017). Brain function predicts progression of blood pressure. 75th Annual Meeting of the American Psychosomatic Society, Sevilla, Spain (poster)

113. Williams SE, **Gianaros PJ**, Cumming J, Sheu LK, \*\*Ginty AT (2017). Emotional imagery ability is associated with functional connectivity of the amygdala 75th Annual Meeting of the American Psychosomatic Society, Sevilla, Spain (poster)

114. \*Kraynak TE, Marsland AL, **Gianaros PJ** (2017). Retrospective recall of childhood abuse and midlife subclinical cardiovascular disease: cross-sectional and longitudinal associations 75th Annual Meeting of the American Psychosomatic Society, Sevilla, Spain (oral presentation)

115. \*\*Ginty AT, **Gianaros PJ**, Muldoon M, Aizenstein H, Jennings JR. (2017). Cross-sectional and longitudinal associations between blood pressure and hippocampal volume. 75th Annual Meeting of the American Psychosomatic Society, Sevilla, Spain (oral presentation)

116. **Gianaros PJ** (2017). How will the genomics era inform the link between soma and psyche? 75th Annual Scientific Meeting of the American Psychosomatic Society, Sevilla, Spain (oral presentation)

117. Jorgensen D, White GE, Yu YH, Sekikawa A, **Gianaros PJ** (2017). Cardiovascular disease risk factors, proinflammatory markers, and depression in the National Health and Nutrition Examination Survey. Annual Meeting of the American Heart Association. (poster)

118. Jennings RJ, Scudder M, Matthews K, Owens J, **Gianaros PJ** (2017). Arterial pulse wave velocity derived from impedance plethysmography. 57TH Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria, Psychophysiology, 54, S76. (poster)

119. Lockwood KG, Kamarck TW, Manuck SB, Marsland AL, **Gianaros PJ** (2018). Perceived discrimination and ambulatory cardiovascular activity in healthy midlife adults: the role of systemic inflammation. 76th Annual Scientific Meeting of the American Psychosomatic Society, Louisville, KY (oral presentation)

120. Leckie RL, Kuan D C-H, Manuck SB, Muldoon MF, **Gianaros PJ** (2018). Lower subjective social status and reduced anterior cingulate volume: replication and extension. 76th Annual Scientific Meeting of the American Psychosomatic Society, Louisville, KY (citation poster)

121. Thomas MC, Kamarck TW, Li X, **Gianaros PJ**, Erickson K, Manuck SB (2018). Objective physical activity moderates the association between daily psychosocial stressors and ambulatory blood pressure reactivity. 76th Annual Scientific Meeting of the American Psychosomatic Society, Louisville, KY (poster)

122. Jorgensen DR, Kuan DC-H, Sekikawa A, **Gianaros PJ** (2018). Racial differences in brain health at midlife and the mediating role of cardiorespiratory fitness & cardiometabolic risk: a sequential mediation analysis. American Heart Association’s annual Scientific Sessions, Chicago, Illinois. (poster)

123. Lockwood KG, Marsland AL, **Gianaros PJ** (2019). daily assessments of perceived discrimination and disparities in cardiovascular disease risk: is inflammation a biological pathway? 77th Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC (poster)

124. DuPont CM, **Gianaros PJ**, Manuck SB (2019). Extraversion is associated with reduced heart rate reactivity to acute laboratory stressors in healthy adults. 77th Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC (poster)

125. Kraynak TE, Marsland AL, Hanson JL, **Gianaros PJ** (2019). An inflammatory pathway links retrospective recall of childhood physical abuse with resting corticolimbic connectivity in midlife adults. 77th Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC (oral presentation)

126. Miller K, **Gianaros PJ**, Kamarck T, Muldoon MF, Manuck SB (2019). Community socioeconomic disadvantage associates with preclinical vascular disease via altered cortisol activity. 77th Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC (poster)

127. Ginty AT, Kraynak TE, Kuan DC, **Gianaros PJ** (2019). Ventromedial prefrontal cortex connectivity during and after psychological stress. 77th Annual Scientific Meeting of the American Psychosomatic Society, Vancouver, BC (oral presentation)

128. Scudder MR, Stanley KC, Shuford H, Bender MJ, Gadagkar S, Jennings JR, **Gianaros PJ** (2018). Age-Related Associations among Reactive Hyperemia and a Novel Measure of Pulse Wave Velocity Derived from Dual Impedance Plethysmography. 57TH Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria, Psychophysiology, 54, S76. (poster)

129. Lovell JR, Murphy EI, ThayeJF, Lane R, **Gianaros PJ**, Kober H, Wager TD (2021). Functional Neuroimaging of the Autonomic Brain: A Meta-Analysis, Poster Presented at the annual meeting of the Society for Neuroscience

130. Rosero J, Betzel R, Sentis A, Kraynak TE, **Gianaros PJ**, Verstynen TD (December, 2021). Similarity in evoked responses does not imply similarity in macroscopic network states across tasks. Flash talk. Neuromatch Conference 4.0

131. Bañuelos C, Creswell K, Manuck SB, **Gianaros PJ**, Verstynen TD (2021). DRD2 polymorphism and sensitivity to losses during value-based decision-making" Neuromatch Conference 4.0

132. Rosero J, Sentis A, Kraynak TE, **Gianaros PJ**, Verstynen TD (2021). Response conflict tasks rely on different underlying network dynamics, despite overlapping activity profiles. Poster. Network Neuroscience 2021 Satellite

133. Alkhateeb S, Santini T, **Gianaros PJ**, Manuck SB, Marsland AL, Ibrahim TS (2021). The Volume of Hippocampal Subfields in correlation with Middle Age Healthy Adults” Proc. International Society for Magnetic Resonance in Medicine Annual Meeting

134. Spencer C, Reed R, Votruba-Drzal E, **Gianaros PJ** (2022). *Perceived Psychological Stress and the Longitudinal Progression of Subclinical Atherosclerosis*. Poster presented at the American Psychosomatic Society Annual meeting, Long Beach, CA.

135. Bo K, Kraynak TE, Sun M, Kwon M, **Gianaros PJ**, Wager TD (2022, April). Deconstructing the brain bases of emotion regulation: A system-identification approach using Bayes factors. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

136. Rosero J, Betzel R, Sentis A, Kraynak TE, **Gianaros PJ**, Verstynen TD (2022). Similarity in evoked responses does not imply similarity in macroscopic network states across tasks. Poster. The Organization for Human Brain Mapping (OHBM).

137. Kraynak TE, Karim HT, Manuck SB, Marsland AL, **Gianaros PJ** (2022, March). Cardioimmunometabolic risk is associated with brain-age in midlife. Paper session talk presented at the American Psychosomatic Society Annual Scientific Meeting, Long Beach, CA.

138. Natale BN, Jones EJ, Manuck SB, **Gianaros PJ**, Marsland AL (2022, March). Interactive effects of

childhood socioeconomic status, family environment, and race on systemic inflammation in adulthood. Talk given in-person at the American Psychosomatic Society Annual Meeting & virtually at the University of Pittsburgh’s A&S GSO Grad Expo. Long Beach, CA.

139. Alkhateeb S, Santini T, Ibrahim D, Cho R, Marsland AL, **Gianaros PJ**, Ibrahim TS (2022). “Hippocampal Subfields Volume in Middle Age Healthy Adults” Proc. International Society for Magnetic Resonance in Medicine Annual Meeting London, UK

140. Flaig CA, **Gianaros PJ**, Beach S, Vodovotz Y, Reyes V, Antoni M, Johnson JT, Kiefer GJ, Marsh CR, Bierenbaum J, Tageja N, Krauze M, VanderWeele RA, Goel G, Ramineni GA, Pappu B, Zandberg DP, Nilsen M, Geller DA, Steel JL (2022, April). The role of adverse childhood experiences as a predictor of stress and cardiometabolic abnormalities in cancer caregivers [Poster presentation], Society of Behavioral Medicine 43rd Annual Meeting & Scientific Sessions, Baltimore, MD.

141. Rasero J, Betzel R, Sentis A, Kraynak T, **Gianaros P**, Verstynen T (2022). Similarity in evoked responses does not imply similarity in macroscopic network states across tasks. Conference on Cognitive Computational Neuroscience, San Francisco, CA.

142. Bo K, Kraynak T, Kwon M, Sun M, **Gianaros PJ**, Wager TD (2022). Deconstructing emotion regulation: A system-identification approach using Bayes factors. Society for Neuroscience Annual Meeting, Chicago IL.

143. Nestor K, Rasero J, Betzel R, **Gianaros PJ**, Verstynen T (2022). Task demand alters cortical network states ensuing integration and modularization. Society for Neuroscience Annual Meeting, Chicago IL.

144. Spencer C, Scudder M, Manuck SB, Muldoon MF, Marsland AL, **Gianaros PJ** (2023). Does race moderate the relationship between heart rate variability and preclinical cardiovascular disease? 80th Annual Meeting of the American Psychosomatic Society.

145. Drake JA, **Gianaros PJ**, Marsland AL, Haiqing H, Karikari T, Klunk W, Hillman CH, Vidoni ED, Burns J, Kramer AF, McAuley E, George G, Kang C, Erickson K (2023). Associations between subjective socioeconomic status and brain amyloid beta deposition. 80th Annual Meeting of the American Psychosomatic Society

**Other conference presentations**

1. **Gianaros PJ**, Levine ME, Plesce CM, Stern RM (1997). Effects of electrical acustimulation on gastric tachyarrhythmia and subjective reports of nausea before and during exposure to a rotating optokinetic drum. Annual Meeting of the International Electrogastrography Society, Washington, DC. (poster)

2. **Gianaros PJ**, Stern RM, Morrow GR, Hickok JT, Roscoe JA (1998). Relationship of gastric myoelectric activity to nausea over repeated chemotherapy sessions. Annual Meeting of the International Electrogastrography Society, New Orleans, LA. (oral presentation)

3. **Gianaros PJ**, Stern RM, Morrow GR, Hickok JT, Roscoe JA (1998). Relationship between pre-treatment gastric tachyarrhythmia, cardiac vagal tone, and chemotherapy-induced nausea.Annual Meeting of the International Electrogastrography Society, New Orleans, LA. (oral presentation)

4. **Gianaros PJ**, Stern RM, Kioulanis J, Mantides A (1998). Electrogastrography and symptom reports of sub-total gastrectomy patients 20 years after surgery. Annual Meeting of the International Electrogastrography Society, New Orleans, LA. (poster)

5. **Gianaros PJ** (2004). Cardiac vagal reactivity to psychological stress as a predictor of atherosclerosis. Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology, Princeton, NJ. (oral presentation)

6. •Glorioso C, Brown SM, **Gianaros PJ**, Lewis DA, Hariri AR, Sibille EL (2006). Microarray and voxel-based morphometric analysis of aging in the human central nervous system in correlation with serotonin 1B genotype. Annual Meeting of the Society for Neuroscience, Atlanta, GA. (poster)

7. •Rischall MA, **Gianaros PJ**, Wu M, Reynolds CF, Studenski SA, Aizenstein HJ (2008). The relationship of medial temporal lobe volume to mood and cognition in the ADNI dataset. Annual Meeting of the American Geriatrics Society, Washington, DC. (poster)

8. Derbyshire SWG, **Gianaros PJ**, Whalley MG, Oakley DA (2008). Gray matter volume in medial frontal and supplementary motor regions increases with hypnotisability. Annual Meeting of the British Society for Academic and Clinical Hypnosis, Essex, UK. (oral presentation)

9. **Gianaros PJ**. Brain-body pathways to cardiovascular disease risk. (2008). The Herbert Weiner Early Career Award Lecture. Annual Meeting of the American Psychosomatic Society, Baltimore, MD. (award address)

10. Jedema HP, **Gianaros PJ**, Greer P, Bradberry CW (2008). Morphological impact of the serotonin transporter polymorphism (5-HTTLPR) in Rhesus Macaques. Annual Meeting of the Society for Neuroscience, Washington, DC. (poster)

11. Harrison NA, **Gianaros PJ**, Gray MA, Critchley HD (2008). Psychophysiology of disgust. Annual Meeting of the Society for Neuroscience, Washington, DC. (poster)

12. **Gianaros PJ** (2009). Neurobiological pathways linking perceived social standing and health. Annual Meeting of the Society for Personality and Social Psychology. Tampa, FL. (oral presentation)

13. **Gianaros PJ** (2010). Neural and behavioral pathways linking stress and cardiovascular disease in humans. Stress and the central role of the brain in health inequities. Annual Meeting of the American Association for the Advancement of Science, San Diego, CA. (oral presentation, plenary session)

14. **Gianaros PJ** (2010). Promises and pitfalls of neuroimaging methods in cardiovascular stress reactivity research. Annual Meeting of the American Psychosomatic Society, Portland, OR. (oral presentation, plenary session on ‘Measuring Biomarkers of Stress’)

15. •Woodard GA, **Gianaros PJ**, Marsland AL, Barinas-Mitchell E, Sutton-Tyrrell K (2010). Autonomic and inflammatory predictors of subclinical cardiovascular disease: Findings from the Study to Slow Adverse Vascular Effects. Annual Conference on Cardiovascular Disease Epidemiology and Prevention - and - Nutrition, Physical Activity and Metabolism, San Francisco, CA. (poster)

16. Rosano C, Aizenstein HJ, Venkatraman VK, Newman AB, **Gianaros PJ**, Strotmeyer ES, Ryan C, Orchard T, Harris T, Yaffe K, Kritchevsky S, for the Health ABC group. (2010). Neuroimaging markers of accelerated brain aging in middle aged patients with Type-1 Diabetes (T1D). Scientific Program Highlights Plenary Session at the Annual Meeting of the American Academy of Neurology, Toronto, Ontario, Canada. (oral presentation)

17. **Gianaros PJ** (2010). Human neuroimaging assessments of blood pressure reactivity to mental stress: Relevance for understanding cardiovascular disease risk. Annual Meeting of the International Society of Hypertension, Vancouver, British Columbia, Canada. (invited plenary oral presentation)

18. •Patel MJ, **Gianaros PJ**, Boada F, Aizenstein H (2010). Association of small vessel ischemic white matter changes with fMRI BOLD signal in the elderly. Annual Meeting of the Society for Neuroscience, San Diego, CA. (poster)

19. Marsland AL, Krajina K, **Gianaros PJ** (2012). Systemic inflammation and the integrity of brain white matter tracts. Annual Meeting of the PsychoNeuroImmunology Research Society, San Diego, CA. (oral presentation)

20. ••Banihashemi L, Sheu LK, **Gianaros PJ**. (2012) Childhood abuse predicts adulthood stressor-evoked activity in hypothalamic and limbic forebrain regions. Annual Meeting of the Society for Biological Psychiatry, Philadelphia, PA. (*blue ribbon poster*)

21. ••Banihashemi L, Sheu LK, Gianaros PJ (2012). Childhood physical abuse correlates with adulthood hypothalamic and limbic forebrain activity and connectivity in response to psychological stress. Society for Neuroscience, New Orleans, LA. (oral presentation)

22. **Gianaros PJ** (2012) Does the cingulate link emotion regulation to vagal cardiac control? Annual Meeting of the Academy of Behavioral Medicine Research, Ashville, NC. (oral presentation)

23. **Gianaros PJ** (2013). What is blunted cardiovascular reactivity? Symposium discussant as part of “Blunted physiological responses to acute Psychological stress.” Annual Meeting of the American Psychosomatic Society, Miami, FL. Psychosomatic Medicine, 75, A-6. (oral presentation)

24. ••Hackman D, Manuck SB, **Gianaros PJ** (2013). Socioeconomic status and the family environment: Associations with neural activity and behavior during emotion regulation" Abstract ID: 1531608. Biennial Meeting of the Society for Research in Child Development. (oral presentation)

25. ••Banihashemi L, Sheu LK, Germain A, Gianaros PJ (2013). Adverse childhood experiences predict the activity of visceral brain regions during rest and stress. American Psychological Association, Honolulu, Hawaii. (oral presentation)

26. Bradberry CW, Tudorascu D, Minhas D, Sheu L, Jedema HP, **Gianaros PJ**, Price JC, Aizenstein H. Cocaine self-administration causes structural deficits in monkey prefrontal cortex: Longitudinal MR imaging results (2014). Presentation accepted as a Neuroscience 2013’s "Hot Topic." Annual Meeting of the Society for Neuroscience, Washington, D.C. (oral presentation)

27. Gianaros PJ (2017). How will the genomics era inform the link between soma and psyche? 75th Annual Scientific Meeting of the American Psychosomatic Society, Sevilla, Spain (oral presentation)

28. Gianaros PJ (2019). How does the brain break our hearts? Delivered as part of symposium, “Cardiovascular stress reactivity: from basic concepts to modern approaches.” 59th Annual Meeting of the Society for Psychophysiological Research (SPR), Washington, DC

29. Gianaros PJ (2020). Affective health neuroscience: What’s new? What’s true? Invited Keynote delivered at the 2020 Virtual Meeting of the American Psychosomatic Society.

30. Gianaros PJ (2022). Bodies, brains, and boroughs: A Pittsburgh Story. Invited lecture delivered for the Paul D. MacLean Award for Outstanding Contributions to Neuroscience at the 2022 Meeting of the American Psychosomatic Society, Long Beach, CA.

**Chaired symposia**

1. Neuroimaging of autonomic – cardiac reactivity in health and disease (2006). Symposium held at the Annual Meeting of the American Psychosomatic Society, Denver, CO.

2. From cell to syndrome: Genetic and imaging neuroscience studies of affect and neurovisceral function in health and disease (2008). Symposium held at the Annual Meeting of the American Psychosomatic Society, Baltimore, MD.

3. Social and emotional neurobiology in health and disease (2013). Symposium held at the Annual Meeting of the American Psychosomatic Society, Miami, FL.

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| --- |
| **PROFESSIONAL ACTIVITIES** |

|  |
| --- |
| **Teaching activities:** |
|  |
| **Courses**  |
| *Year(s)* | *Course* | *Students* | *Role* | *University, Department* |
| 1995, 1996, 1997 | Research methods in psychophysiology | Approx. 30 undergraduates per semester | Teaching assistant | Pennsylvania State University, Psychology |
| 1997 | Multiple regression & correlation | Approx. 20 graduate students | Teaching assistant | Pennsylvania State University, Psychology |
| 1998 | Research methods in visual perception | Approx. 30 undergraduates | Teaching assistant | Pennsylvania State University, Psychology |
| 1998 | Introductory psychology | Approx. 120 undergraduates | Recitation instructor, 3 sections | Pennsylvania State University, Psychology |
| 1999 | Biobehavioral aspects of stress | Approx. 75 undergraduates | Teaching assistant | Pennsylvania State University, Biobehavioral Health |
| 1999 | Research methods in behavioral endocrinology | Approx. 40 undergraduates | Teaching assistant | Pennsylvania State University, Biobehavioral Health |
| 1999 | Introduction to research methods in psychology | Approx. 40 undergraduates | Instructor | Pennsylvania State University, Psychology |
| 2003, 2005, 2008, 2010, 2012, 2014, 2016, 2017, 2019, 2022 | Cardiovascular psychophysiology | Approx. 8-12 graduate students, post-doctoral fellows, & junior faculty per semester | Instructor | University of Pittsburgh, Psychology |
| 2004, 2005 | Scientific writing | Approx. 8-10 graduate students, post-doctoral fellows, & junior faculty per semester | Instructor | University of Pittsburgh, Psychiatry and Psychology |
|  |  |  |  |  |
| 2012, 2013, 2014, 2015, 2016, 2018, 2021 | Introduction to Biopsychology | Approx. 30 to 200 undergraduates | Instructor | University of Pittsburgh, Psychology |
| 2013, 2014, 2017, 2022, 2023 | Biopsychology of Health Inequalities | 16-28 undergraduates | Instructor | University of Pittsburgh, Psychology |
| 2015 | Health Neuroscience | 9 graduate students | Instructor | University of Pittsburgh, Psychology |

**Educational lectures, panelist activities, and problem-based learning modules**

1. Lecture on “Stress and health” to undergraduate students enrolled in Introduction to Psychology, Carnegie Mellon University, 02/2003

2. Lecture on the “Functional neuroanatomy of stress” to interns in the Clinical Psychology Internship Program of the Western Psychiatric Institute and Clinic, University of Pittsburgh, School of Medicine, 05/2004

3. Lecture on “Stress and health” to undergraduate students enrolled in Introduction to Psychology, University of Pittsburgh, 09/2004

4. Discussion facilitator for 2 modules of “Introduction to being a physician,” a small group problem-based learning course on biostatistics for first year medical students, University of Pittsburgh, School of Medicine, 08/2005

5. Discussion facilitator for 1 module of “Introduction to being a physician,” a small group problem-based learning course on public health and medicine for first year medical students, University of Pittsburgh, School of Medicine, 08/2006

6. Organizer and discussion panelist for a 1-hour career development session on “Grant writing as a career development issue,” held at the Pittsburgh Mind-Body Center Summer Institute on “Health Behavior and Chronic Disease,” University of Pittsburgh, 06/2007

7. Discussion panelist for a 1-hour career development session on “Balancing personal and professional lives,” held at the Career Development Institute for Psychiatry, University of Pittsburgh, School of Medicine, 04/2008

8. Discussion panelist for a 1.5-hour career development session on “Graduate Fellowships,” held in the Department of Psychology, University of Pittsburgh, 03/2009

9. Lecture on “Neuroimaging as a ‘magic bullet’ in biological and health psychology” to graduate students in the Department of Psychology, University of Pittsburgh, 11/2009

10. Panelist and co-organizer for ‘Tips on fellowship and grant application writing’ delivered to graduate students in the Department of Psychology, University of Pittsburgh, 04/2010

11. Guest lecturer for ‘Psychosocial Factors and Disease Class,’ a graduate seminar in the Department of Epidemiology taught by Dr. Joyce Bromberger, University of Pittsburgh, 04/2010

12. “Scientific Writing.” Invited professional development workshop for graduate and post-doctoral trainees co-led with Dr. Natasha Tokowicz at the 74th Annual Meeting of the American Psychosomatic Society, Denver, CO, 03/ 2016.

13. Discussion panelist for VIPitt Weekend, “Faculty-Student Fit,” held in the Department of Psychology, University of Pittsburgh, 10/2017

14. Geographic Life Expectancy, Community lecture and news interviews delivered as part of the community engagement series of the Clinical and Translational Science Institute, Urban League of Greater Pittsburgh, the New Pittsburgh Courier, and the UPMC Center for Engagement and Inclusion, 09/2021

* <https://newpittsburghcourier.com/2021/09/15/longevity-equity-for-life-expectancy/>
* <https://newpittsburghcourier.com/2021/09/15/take-charge-of-your-health-today-be-informed-be-involved-neighborhoods-and-health/>
* <https://newpittsburghcourier.com/2021/09/15/how-our-neighborhoods-influence-our-health/>

**Training faculty memberships on NIH Institutional National Research Service Awarding Grants**

1. Clinical Research Training in Psychiatry (Director, Charles Reynolds, MD): NIMH T32-16804, Membership years: 2005-pres.

2. Cardiovascular Behavioral Medicine Research Training: NHLBI T32-07560, Membership years: 2005-pres. Co-Director, 2020-pres.

3. Clinical research training for psychologists (Director, Paul Pilkonis, Ph.D.): NIMH T32-018269, Membership years: 2012-pres.

**Co-director and organizer of the 2010 Pittsburgh Mind-Body Summer Institute**

This institute was titled, “Mind-Body Science, Tools, and Strategies,” and was held at the University of Pittsburgh in June, 2010. Co-directors and co-organizers were Drs. Karen A. Matthews and Martica Hall. Responsibilities included organizing and scheduling training events for 28 attendees (post-doctoral fellows, and faculty from the University of Pittsburgh and outside universities), chairing a symposium on biomarkers in behavioral medicine research, serving as a grant reviewer for a mock NIH grant review, and chairing and speaking in a symposium on academic promotion.

**Overall Director of the NIH Multimodal Neuroimaging Training Program, 2013-2017**

The MNTP was comprised of an annual 6-week summer workshop to provide training in multiple brain imaging modalities. It also consisted of a graduate training and fellowship program. See: <http://www.mntp.pitt.edu/>

**Mentorship activities:**

*Postdoctoral and Research Associate Trainees*

Layla Banihashemi, PhD (2010-13), NIH Individual National Research Service Award Mentee

Israel Christie, PhD (2009-10), NIH American Reinvestment and Recovery Act Award Mentee

Annie Ginty, PhD (2014-16)

Ronald Glick, MD (2005-07), Pittsburgh Mind-Body Center Scholar Mentee

Daniel Hackman, PhD (2013-14)

Emily Jones (2020-23)

Gina Leckie, PhD (2017-19)

Jennifer MacCorrmack (2020-22)

John Ryan, PhD (2009-12), NIH Individual National Research Service Award Mentee

Mark Scudder, PhD (2017-19)

Isabella Soreca, MD (2007-10), Pittsburgh Mind-Body Center Scholar Mentee

*Graduate Trainees*

Jermon Drake (2022-pres.), Co-advisor with K. Erickson

Caitlin DuPont (2018-22)

Dana Jorgensen (2016-18)

Thomas Kraynak (2015-22), Andrew Carnegie Mellon Fellow, Co-Advisor with A. Marsland

Kimberly Lockwood (2013-19), National Science Foundation Fellow, Co-Advisor with A. Marsland

Maya Martinko, (2022-pres.) Co-Advisor with A. Marsland

Karen Muñoz (2009-13)

Ikechukwu Onyewuenyi (2010-14)

Abby Shell (2022-pres.) Co-Advisor with A. Marsland

Chrystal Spencer (2020-pres.)

*Graduate Student Research Supervision*

Christina Ogle (2008-11), Cardiovascular Behavioral Medicine Research Fellowship Mentee

Sophy Perdomo (2013), Center for Neuroscience Lab Rotation

Jenna Scisco (2008), National Defense Science and Engineering Graduate Fellowship Mentee

Robert Tavares (2009-11), Cardiovascular Behavioral Medicine Research Fellowship Mentee

Mandy Hu (2017), VU Amsterdam Research Fellowship

*Undergraduate Fellowship and Thesis Supervision*

Aliaksei Basatski (2014-2017), Honors Thesis Advisor

Belen Best (2018-2019), Honors Thesis Committee

Kruthika Doreswamy (2020-2021), Honors Advisor (Neuroscience)

Amanda Good (2005-06), Chair of Honors Thesis Committee

Jasmine Kraftician (2019-2020), Chair of Honors Thesis Committee

Aishwarya Mukundan, (2022), Honors Thesis Co-Advisor (Neuroscience)

Elizabeth Rodgers (2004-05), Mentor on Honors College Fellowship

Tiffany Sinclair (2005-08), Primary Mentor on Brackenridge Fellowship

Trevor Weis (2021), Honors Advisor (Neuroscience), Recipient of the Edward M. Stricker Neuroscience Excellence Award)

*Graduate Committees*

Salem Kamal Alkhateeb, Dissertation Committee

Marlissa Amole, Masters Committee

Jamie Cohen, Masters & Dissertation Committees

Jermon Drake, Masters Committee

Victoria Egizio, Masters, Specialty Exam, & Dissertation Committees

Patrick Fisher, Specialty Exam &Dissertation Committees

Mary Gilliam (Norman), Specialty Exam & Dissertation Committees

Christin Glorioso, Specialty Exam &Dissertation Committees

Swathi Gujral, Masters Committee, Specialty Exam & Dissertation Committees

Dana Jorgensen, Specialty Exam & Dissertation Committees

Harrison, Rachel, Masters Committee

Jeffrey Horenstein, Dissertation Committee

Laalithya Konduru, Masters Committee

Regina Leckie, Dissertation Committee

Li-Chun Lin, Reprint Exam, Masters, & Dissertation Committees

Sweyta Lohani, Dissertation Committee

Darcy Mandel, Specialty Exam &Dissertation Committees

Scott Marek, Specialty Exam & Dissertation Committees

Berhane Messay, Dissertation Committee

Karissa Miller, Specialty Exam and Dissertation Committees

Christie Musket, Dissertation Committee

Lauren Oberlin, Masters Committee

Darcy Mandell, Specialty Exam & Dissertation Committees

Berhane Messay, Masters Committee

Destiny Miller, Dissertation Committee

Christie Musket, Dissertation Committee

Amar Ojha, Chair Comprehensive Exam Committee

Adam Olsen, Masters Committee

Jaime Peven, Dissertation Committee

Jennifer Phillips, Dissertation Committee

Petra Rupert, Specialty Exam Committee

Amy Sentis, Specialty Exam & Dissertation Committees

Kristen Stedenfeld, Dissertation Committee

Maggie Sweitzer, Dissertation Committee

Adrienne Taren, Masters, Specialty Exam, & Dissertation Committees

Mark Thomas, Specialty Exam & Dissertation Committees

Sheila Tripathy, Masters, Specialty Exam, & Dissertation Committees

Caitlin Walsh, Specialty Exam & Dissertation Committees

Andrea Weinstein, Specialty Exam & Dissertation Committees

Genevieve Woodard, Specialty Exam & Dissertation Committees

Anna Vazeou-Nieuwenhuis, Specialty Exam & Dissertation Committees

*Undergraduate Thesis Committees*

Maria Alessi Shelly Burke

Hannah Cheng Nicholas Johnson

Mallory Hudson Belen Best

Mallory Rose Haley Shuford

Jordan Seigel Carly Flaig

Anisha Chandwani

**Research activities:**

**Current grant support as Principal Investigator or MPI**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Years inclusive** | **Grant number, title** | **Source** | **Total costs**  | **Effort (months)** |
| 2018-2023 | 2 P01 HL040962“Biobehavioral Studies of Cardiovascular Disease” | National Heart Lung and Blood Institute | $11,428,685 | 4.4 |
|  |  |  |  |  |
|  |  |  |  |  |
| 2020-2023 | Administrative Supplement to 2 P01 HL040962 | National Heart Lung and Blood Institute | $326,789 | 0.6 |
|  |  |  |  |  |
| 2017-2021 (NCE, 2023) | R01 NIDDK110041 (M-PI with Anna Marsland)“Metabolic and Inflammatory Pathways of Midlife Neurocognitive Disparities”  | National Institute of Diabetes and Digestive and Kidney Diseases | $3,292,757 | 2.0 |
|  |  |  |  |  |
| 2020-2028 | T32HL007560(MPI with Rebecca Thurston)“Cardiovascular Behavioral Medicine Research Training” | National Heart Lung and Blood Institute | $1,976,321 |  |

**Prior grant support as Principal Investigator**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Years inclusive** | **Grant number, title** | **Source** | **Total costs** | **Effort (months)** |
| 2012-2019 | R01 HL089850Competing continuation“Neurobiological pathways linking stress and emotion to atherosclerosis” | National Heart Lung and Blood Institute | $2,773,537 | 3.0 |
|  |  |  |  |  |
| 2015-2016 | NSF DMS 1557572Collaborative Research: Personalized Predictive Neuromarkers for Stress-Related Health Risks | National Science FoundationCo-PI with Singh, Verstynen | $100,000 | .8 |
|  |  |  |  |  |
| 2006-2017 | R90 DA023420Multimodal NeuroimagingTraining Program | National Institute on Drug Abuse | $1,389,828 | 0.6 |
|  |  |  |  |  |
| 2006-2017 | T90 DA022761Multimodal NeuroimagingTraining Program | National Institute on Drug Abuse | $677,110 | 0.6 |
|  |  |  |  |  |
| 2010-2013 | R01 HL101421Central Mechanisms for Cardioprotective Behavioral Effects of Ω-3 Fatty Acids | National Heart Lung and Blood Institute | $609,000 | 2.40 |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2009-2011 | R01 HL089850 (Supplement)American Reinvestment and Recovery Act of 2009 | National Heart Lung and Blood Institute | $197,530 | Mentorship of Dr. Israel Christie, subsumed: HL089850 |
|  |  |  |  |  |
| 2008-2010 | R01 HL089850 (Supplement)Research Supplement to Promote Diversity in Health-Related Research | National Heart Lung and Blood Institute | $62,110/yr | Mentorship of Ikechukwu Onyewuenyi, subsumed: HL089850 |
|  |  |  |  |  |
| 2008-2010 | “Brain pathways to cardiovascular health” | Pennsylvania Department of Health, Commonwealth Universal Research Enhancement Program | $25,000 | 1.2 |
|  |  |  |  |  |
| 2004-2009 | K01 MH070616“Functional organization of cardiovascular reactivity” | National Institute of Mental Health | $593,412 | 12 |
|  |  |  |  |  |
| 2006 | P50 HL076852/076858“Functional imaging of economic status” | Awarded through the NIH Pittsburgh Mind-Body Center | $37,464 | 1.2(subsumed: K01 MH070616) |
|  |  |  |  |  |
| 2002-2003 | F32 HL071333“Central control of cardiovascular reactivity to stress” | National Heart Lung and Blood Institute | $44,212 | 12 |
|  |  |  |  |  |
| 2001 | P50 HL65112“Functional neuroanatomy of cardiovascular reactivity to stress” | Awarded through the NIH Pittsburgh Mind-Body Center  | $15,000 | Subsumed: F32 HL071333 |
|  |  |  |  |  |
| 1999-2000 | F31 MH012418“Cardiovascular & gastrointestinal reactivity to stress” | National Institutes of Mental Health | $19,280 | 12 |
|  |  |  |  |  |
| 1998 | “Autonomic habituation to aversive auditory stimuli” | Sigma Xi SocietyGrant-in-Aid of Research | $1000 |  |
| **Prior Grant Support as Co-I** |
| **Years Inclusive** | **Grant number, title** | **Source, role** | **Total costs**  | **Effort****(months)** |
| 2012-2019 | R01 DK095172“Influcence of physical activity and weight loss on brain plasticity”(PI: Kirk Erickson) | National Institute of Diabetes and Digestive and Kidney DiseasesCo-I |  | 0.48 |
|  |  |  |  |  |
| 2011-2016 | R01 AG037451“Resilience to mobility impairment: Neural correlates and protective factors”(PIs: Caterina Rosano & Howard Aizenstein) | National Institute of AgingCo-I | $3,675,262 | 0.6 |
|  |  |  |  |  |
| 2004-2006 | R24 HL076852/HL07658“Stress and Brain Pathways of Reactivity”(PI: J. Richard Jennings) | National Heart Lung and Blood InstituteCo-I | $428,042 | 1.2 (subsumed: K01 MH070616) |
|  |  |  |  |  |
| 2009-2014 | R01 DK089028“Imaging biomarkers of accelerated brain aging in Type-1 diabetes”(PI: Caterina Rosano) | National Institute of Diabetes and Digestive and Kidney DiseasesCo-I | $2,754,189 | 0.6 |
| 2009-2012 | 1 R01 DA025636“Cognitive dysfunction and impaired inhibitory control in cocaine dependence”(PI: Charles Bradberry) | National Institute of Drug Abuse and AddictionCo-I | $2,363,042 | 0.6 |
|  |  |  |  |  |
| 2011-2012 | “Inflammation in Cognitive Aging”(PI: Anna Marsland) | Aging Institute, UPMCCo-I | $20,000 | NA |
|  |  |  |  |  |
| 2008 | Manners Faculty Development Award“A teaching and student research laboratory for integrative biological andpsychosocial assessments” | University Center for Social and Urban Research, University of PittsburghCo-I | $9,876 | NA |
|  |  |  |  |  |
| 2007-2015 | P01 HL040962“Biobehavioral studies of cardiovascular disease” | Co-I: Project 1 Substrates of threat and reward sensitivity and CVD riskDirector, Neuroimaging statistics: Core C | $9,990,613 | 1.2 |
| 2010-2015 | RO1 HL101959“The brain as a target for pre and essential hypertension” | Co-I | $2,284,933 | 0.36 |

**SEMINARS, INVITED TALKS, ROUNTABLE DISCUSSIONS, AND WORKSHOPS**

1. “Affective startle modulation and habituation.” Oral presentation delivered at the 5th Annual College of Liberal Arts and Sciences Honorary Research Symposium, University of Florida, Gainesville, FL. March 1995

2. “What do we know about nausea?” Research colloquium presented to the Biological and Health Psychology Program, Department of Psychology, University of Pittsburgh, December 2001

3. “The psychophysiology of stress-induced nausea.” Invited colloquium presented to the Department of Psychology, Hofstra University, January 2002

4. “The nature of nausea.” Invited colloquium presented to the Department of Psychology, University of West Virginia, January 2003

5. “The psychophysiology of nausea.” Invited colloquium presented to the Department of Psychology, University of South Florida, February 2003

6. “A psychophysiological approach to understanding nausea.” Invited colloquium presented to the Department of Psychology, Ohio Wesleyan University, January 2004

7. “The central regulation of cardiovascular reactivity to stress.” Invited colloquium presented to the Department of Psychology, University of Wisconsin, Milwaukee, February 2004

8. “The mind under pressure: The functional neuroanatomy of cardiovascular reactivity to stress.” Invited colloquium presented to the Department of Psychology, University of Pittsburgh, March 2004

9. “Assessment of heart-rate variability.” Presentation as part of a methodology workshop for the Pittsburgh Mind-Body Center. University of Pittsburgh Medical School, December 2004

10. “Tips on applying for post-doctoral fellowships.” Colloquium delivered to graduate students of the Biological and Health Psychology Program in the Department of Psychology, University of Pittsburgh, January 2005

11. “On the market: Searching for and getting a job in academia.” Invited roundtable discussion co-organized and held with Susan Segerstrom at the 63rd Annual Meeting of the American Psychosomatic Society, Vancouver, British Columbia, Canada, March 2005

12. “How to respond to journal reviewers.” Colloquium given to graduate students of the Biological and Health Psychology Program in the Department of Psychology, University of Pittsburgh, December 2005

13. “Fear and stress brain systems.” Lecture given to graduate students of the Biological and Health Psychology Program in the Department of Psychology, University of Pittsburgh, January 2006

14. “Stressful experiences and the brain.” Invited colloquium given to students in the MD/PhD program of the University of Pittsburgh School of Medicine, February 2006

15. “Fostering collaborations between neuroscientists and psychosomatic researchers.” Invited roundtable discussion co-organized and held with Mary-Frances O’Conner at the 64th Annual Meeting of the American Psychosomatic Society, Denver, CO, March 2006

16. “Writing and publishing as career development issues.” Panelist discussion organized and held at the Pittsburgh Mind-Body Center Summer Institute on “Basic Pathways Linking Behavior and Disease” (http://pmbcii.psy.cmu.edu/), University of Pittsburgh Medical School, June 2006

17. “Variation in cingulate cortex morphology as a function of perceived social class.” Research colloquium given to the Cognitive and Affective Think Tank in the Department of Neuroscience, University of Pittsburgh, November 2006

18. “Brain-body pathways to cardiovascular disease.” Invited research colloquium delivered to the Department of Psychiatry, University of Pittsburgh, December 2006

19. “Introduction to scientific writing for researchers in psychosomatic medicine.” Workshop organized and held at 65th Annual Meeting of the American Psychosomatic Society, Budapest, Hungary, March 2007

20. “Show me the $$$: Tips on writing postdoctoral fellowships and career development awards.” Colloquium co-organized with Natasha Tokowicz and delivered to graduate students in the Department of Psychology, University of Pittsburgh, March 2007

21. “Structural neural correlates of chronic life stress and subjective social standing.” Invited research colloquium delivered to the John D. and Catherine T. MacArthur Foundation Research Network on Socioeconomic Status and Health, Boston, MA, May 2007

22. “How to be a word carpenter.” Colloquium delivered to graduate students of the Biological and Health Psychology Program in the Department of Psychology, University of Pittsburgh, September 2007

23. “Progress on Pittsburgh Mind-Body Center neuroimaging studies of acute and chronic stress.” Research presentation given to the External Advisory Board of the Pittsburgh Mind-Body Center, University of Pittsburgh, October 2007

24. “Junior faculty writing workshop.” Co-organizer with Paul Pilkonis of a workshop presented by Mimi Zeiger and held in the Department of Psychiatry, University of Pittsburgh, November 2007

25. “The mind under pressure: Neural mechanisms of cardiovascular reactivity to psychological stress in health and disease.” Invited colloquium delivered at The Rockefeller University, January 2008

26. “They said what?! A scientific writing workshop on responding to reviewers.” Workshop organized and held at 66th Annual Meeting of the American Psychosomatic Society, Baltimore, MD, March 2008

27. “Application of imaging neuroscience methods in brain-body science.” Research colloquium delivered as part of a brain imaging methodology workshop for the Pittsburgh Mind-Body Center (http://pmbcii.psy.cmu.edu/), May 2008

28. “Central regulation of stress systems underlying disease vulnerability.” Research colloquium delivered as part of the Pittsburgh Mind-Body Center Summer Institute on “Basic Pathways Linking Behavior and Disease” (http://pmbcii.psy.cmu.edu/), June 2008

29. “Review of research on stress, socioeconomic status, and the brain.” Invited research colloquium delivered to the John D. and Catherine T. MacArthur Foundation Research Network on Socioeconomic Status and Health, Phoenix, AR, September 2008

30. “Neurobehavioral dimensions of cardiovascular disease risk.” Invited research colloquium delivered to the Department of Psychiatry, University of California, San Diego, March 2009

31. “Neuroimaging and cardiovascular health.” Invited research colloquium delivered to the Department of Psychiatry, University of Pittsburgh, Pittsburgh, August 2009

32. “Neurobiological pathways linking socioeconomic position and health.” Invited research colloquium delivered to the Department of Psychiatry at the University of Sussex, Department of Medicine, Sussex, UK, January 2010

33. “How socioeconomic status gets under the skin: Brain functioning.” Invited research colloquium delivered at the Child Health and Well-Being Conference, University of Wisconsin, Madison, Institute for Research on Poverty, October, 2010. http://www.irp.wisc.edu/newsevents/conferences/childhealth2010.htm

34. “Neurobiological pathways linking socioeconomic position and health.” Invited research colloquium delivered at The Rockefeller University as part of the symposium: Social neuroscience: Gene x Environment x Brain x Body,” December 2010

35. "Neuro-navigating the pathways from socioeconomic position to health: Brain maps of dirt roads, ditches, and dead ends." Research colloquium delivered as part of the Pittsburgh Mind-Body Center IDEAS series, December 2010.

36. “Mapping the mind under pressure: fMRI studies of stress reactivity and their relevance to understanding cardiovascular disease risk.” Invited research colloquium delivered to the Department of Psychology, University of Miami, February 2011

37. “fMRI studies of stress-related cardiovascular disease risk.” Invited research colloquium delivered to the Mood, Brain, and Biology Research Group at the University of Pittsburgh, April 2011

38. “Heart rate variability, stress reactivity and subclinical CVD.” Invited research colloquium delivered to the Department of Epidemiology, University of Pittsburgh, April 2011

39. “Stress, socioeconomic status, and physical health from a neurobiological perspective.” Invited research colloquium delivered at The Glasgow Centre for Population Health, Glasgow, Scotland, May 2011. <http://www.gcph.co.uk/events/109>

40. “From census to white matter tracts.” Invited research presentation delivered via Skype to the MacArthur Network on Socioeconomic Status and Health, September 2011

41. “Brain-body pathways to cardiovascular disease risk.” Invited research colloquium delivered at the Semel Institute for Neuroscience and Human Behavior, UCLA. October 2011

42. “Brain-body pathways to cardiovascular disease risk.” Invited research colloquium delivered at the Center for the Neural Basis of Cognition Annual Retreat, October 2011

43. “Brain-body pathways to cardiovascular disease risk.” Invited colloquium delivered to the Department of Psychology, University of British Columbia, Vancouver, March 2012

44. “Neurobiological pathways linking socioeconomic position and health.” Invited colloquium delivered at the 6th Biennial Congress of The International Society of Affective Disorders, Royal College of Physicians, London, UK, April 2012

45. “Do inflammatory pathways link socioeconomic inequalities to the integrity of brain networks?” Invited presentation delivered as part of a plenary symposium on health at the 5th Annual Meeting of the Social & Affective Neuroscience Society, New York City, April 2012

46. “Stress and biological embedding.” Invited colloquium delivered to the National Institutes of Health Behavioral and Social Sciences Research Coordinating Committee, Rockville, MD, June 2012

47. “Health disparities as a problem for neuroscience.” Invited colloquium delivered to the Center for Neuroscience & Society, University of Pennsylvania, Philadelphia, PA, April 2013

48. “Health disparities as a problem for neuroscience.” Invited colloquium sponsored by the Research Center for Group Dynamics at the University of Michigan Institute for Social Research, as part of a lecture series titled, “Social Class: A Multidisciplinary Perspective on Health and Well-being, Ann Arbor, MI, April 2013

49. “How does the brain break our hearts?” Colloquium delivered to the Department of Psychology, University of Pittsburgh, September 2013

50. “Neurobiology of socioeconomic health disparities.” Invited colloquium sponsored by the Center for Mind and Brain and the Center for Poverty Research, University of California, Davis, December 2013

51. “Career options in medical schools and Arts and Sciences environments.” Invited roundtable discussion to be held with Sarah Pressman at the 72nd Annual Meeting of the American Psychosomatic Society, San Francisco, CA, March 2014

52. “Brain-body pathways linking stress and health.” Department of Psychology, The Ohio State University, April 2014

53. “Neurobiology of cardiovascular disease risk”, Invited colloquium, Department of Psychology, The Pennsylvania State University, November 2014

54. “Neurobiology of cardiovascular disease risk” and “Neurobiology of Socioeconomic Health Disparities”, Invited colloquia, Department of Psychology, Brigham and Young University, October 2014.

55. “Neurobiology of cardiovascular disease risk,” Alzheimer Disease Research Center, University of Pittsburgh, November, 2014

56. “Neurobiology of socioeconomic health disparities,” Learning and Research Development Center, University of Pittsburgh, December, 2014

57. “Conceptualizing and measuring stress in brain imaging studies.” Invited speaker. Annual Meeting of the National Institutes of Health Stress Measurement Center. Oakland, CA, April 2015

58. “Stress, socioeconomic status, and cardiovascular disease risk.” Invited colloquium speaker for Cardiology Grand Rounds. St Luke’s and Roosevelt Hospitals, NY, April 2015

59. 2 invited colloquia delivered at the Sunnybrook Health Sciences Centre, Toronto, October, 2015:

* “Neurobiology of stress and cardiovascular disease.” Department of Psychiatry’s Mood & Anxiety Clinical Rounds
* “Neurobiology of socioeconomic disadvantage and health.” Brain Sciences Grand Rounds

60. “Adversity and the neuroscience of cardiovascular health.” Invited speaker for the inauguration of the Center for the Study of Adversity and Cardiovascular Disease. University of California, San Francisco, March 2016

61. “Scientific Writing.” Invited professional development workshop for graduate and post-doctoral trainees co-led with Dr. Natasha Tokowicz at the 74th Annual Meeting of the American Psychosomatic Society, Denver, CO, March 2016

62. “Neurobiology of socioeconomic disadvantage.” Invited speaker, “Workshop on Deepening Connections between Neuroscience and Public Policy to Understand Poverty,” University of Wisconsin-Madison, April 2016

63. “Neurobiology of stress, emotion, and cardiovascular disease.” Invited colloquium speaker for Grand Rounds at the Icahn School of Medicine at Mount Sinai, Friedman Brain Institute, Department of Psychiatry. New York, NY, December, 2016

64. “Neurobiology of socioeconomic health disparities.” Invited speaker for the NIH BSSR Festival: Synergy of Basic and Applied Behavioral and Social Sciences, Bethesda, MD, December 2016. <https://obssr.od.nih.gov/bssr-festival-panel-one-synergy-of-basic-and-applied-behavioral-and-social-sciences/>

65. “Adversity and brain aging: a focus on inflammatory pathways.” Invited speaker and session organizer / chair for the NIA Reversibility Network meeting on Childhood Adversity, Adult Health, and Preventive Interventions, The Rockefeller University, New York, NY, April, 2017

66. “Health Neuroscience.” Invited “Virtual Brown Bag” for the Social Personality Health Network ([http://sphnetwork.org](https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fsphnetwork.org&data=01%7C01%7Cgianaros%40pitt.edu%7C4758bf12518a49f68c5b08d43bf1f8d2%7C9ef9f489e0a04eeb87cc3a526112fd0d%7C1&sdata=FRXngyRglI09Z%2FONlG0W7Qx4xMp8JuWK%2FJiebQnA6aQ%3D&reserved=0)), June, 2017

67. “Neurobiology of stress and heart disease.” Invited speaker for the Festschrift of Bruce McEwen: “Stress: Past, present and future directions.” Princeton University, NJ, June, 2017 <https://stressmeeting2017.princeton.edu/>

68. “Neurobiology of socioeconomic disadvantage.” Invited, September 2017 meeting, Neuroscience, Public Policy, and Poverty, Milwaukee, WI, September, 2017

69. “Neurobiology of stress and heart disease.” Invited speaker for the Annual Gene Brody Lecture, University of Georgia, March, 2018

70. “Neurobiology of socioeconomic disadvantage.” Invited Principal Guest Scientist and Speaker, Center for Family Consultation’s 34th Midwest Symposium on Family Systems Theory and Therapy, Chicago, May, 2018

71. “Two to make it true? Systematically testing a purported affective neural correlate of cardiovascular disease risk.” Invited talk delivered at the 2019 meeting of the Society for Affective Science, MA, March, 2019

72. “Neurobiology of stress and heart disease.” National Heart, Lung, and Blood Institute’s Office of Education at the National Institutes of Health, Tenure Track Seminar Series. Intramural Research Program, May, 2019.

73. “Neurobiology of emotion, emotion regulation, and cardiovascular disease risk.” University of Limerick, Ireland, November, 2021

74. “Neurobiology of emotion, emotion regulation, and cardiovascular disease risk.” Yale University, April, 2022

75. “Neurobiology of emotion, emotion regulation, and cardiovascular disease risk.” Rice University, February, 2023

**OTHER RESEARCH-RELATED ACTIVITIES**

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| **National and international grant reviewing** |
| *Years* | *Role and Granting Organization* |
| 2009 | Review panel member of the study section (ZAG ZIJ-1-M1) for grant proposals submitted to the NIH National Institute of Aging Social Neuroscience Request for Applications (RFA-AG-09-006) |
| 2009 | Reviewer of grant applications submitted to the Neuroscience and Mental Health program of The Wellcome Trust, London, UK |
| 2009 | Reviewer of grant applications submitted to the Biomedical Research program of the Italian Ministry of Health, Directorate for Health and Technologies Research |
| 2010 | Stage 1 reviewer of grant applications submitted to the NIH Funding Opportunity Announcement, Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field |
| 2010 | Reviewer of Grants of Excellence applications submitted to the Icelandic Research Fund, Division for Science and Innovation, The Icelandic Centre for Research, Reykjavík – Iceland |
| 2011 | Reviewer of grant applications submitted to Office of Naval Research (ONR) Stress Physiology Program |

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| 2011 | Ad hoc member of Biobehavioral & Behavioral Processes IRG (ZRG1 BBBP-L 53), Center for Scientific Review. Reviewer of NIH R21 Exploratory/Developmental grant applications intended to advance research on basic processes and mechanisms of self-regulation |
| 2011 | External grant application referee for the Chief Scientist Office, Experimental and Translational Medicine Research Committee, Scottish Government, http://www.cso.scot.nhs.uk/ |
| 2012 | Reviewer. Special Emphasis Panel/Scientific Review Group 2012/10 ZRG1 BBBP-V (05) M |
| 2013 | Special Emphasis Panel/Scientific Review Group 2013/10, NIH Social Neuroscience and Neuroeconomics of Aging (SNNA) Program Announcements PAR-11-336 and PAR-11-337 ZRG1 PSE-D (58) R meeting |
| 2013 | Proposal reviewer, Social Psychology Program, the National Science Foundation |
| 2015 | Ad hoc grant reviewer for the NIH National Institute of Aging. Special review panel for a U19 application (Cooperative Agreement; PAR-14-356) |
| 2015 | Ad hoc grant reviewer for the NIH National Institute of Aging. Aging Systems and Geriatrics (ASG) Study Section |
| 2015 | Ad hoc grant reviewer for the Dana Foundation |
| 2017 | Ad hoc reviewer for NIH Study Section, MESH (Biobehavioral Mechanisms of Emotion, Stress and Health) |
| 2021-22 | Reviewer. Special Emphasis Panel/Scientific Review Group 2022/01 ZAG1 ZIJ-4 (J1) M |
| 2018-22 | Standing member, NIH Study Section, MESH (Biobehavioral Mechanisms of Emotion, Stress and Health) |
| 2022 | External Grant Reviewer, United Kingdom Medical Research Council |
| 2022 | External Grant Reviewer for Laureate Awards, Irish Research Council |
| 2022 | External Merit Reviewer, University of Luxembourg and European Science Foundation |
| 2022 | External Reviewer, Killam Accelerator Research Fellowship Program, University of British Columbia |
| 2023 | Ad hoc grant reviewer for NHLBI P01 Special Emphasis Panel |
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| **Ad hoc journal reviewing** |
| *Years* | *Journals (alphabetical)* |
| 2009 | American Journal of Hypertension |
| 2011 | American Journal of Geriatric Psychiatry |
| 2017, 2022 | American Psychologist |
| 2002-2005 | Annals of Behavioral Medicine |
| 2005-2006 | Annals of Neurology |
| 2010 | Annals of Medicine |
| 2000-2003 | Aviation, Space, & Environmental Medicine |
| 2008- | Biological Psychiatry |
| 2005- | Biological Psychology |
| 2012, 2013 | Brain Behavior and Immunity |
| 2006 | Brain Research |
| 2017 | Brain Structure and Function |
| 2013 | Cerebral Cortex |
| 20062014 | Cognitive Therapy and ResearchComprehensive Physiology |
| 2018, 2019 | Current Directions in Psychological Science |
| 2011 | Developmental Cognitive Neuroscience |
| 2011 | Developmental Science |
| 1999 | Digestive Diseases and Sciences |
| 2007 | Emotion |
| 20072016 | European Journal of Clinical InvestigationFrontiers in Neurology, section on Autonomic Neuroscience |
| 1999 | Gastroenterology |
| 2017-22 | Health Psychology |
| 2006 | Human Brain Mapping |
| 2012 | Hypertension |
| 2006 | International Journal of Psychophysiology |
| 2013 | JAMA: Psychiatry |
| 2006 | Journal of Neurology |
| 2009, 2011 | Journal of Psychiatry and Neuroscience |
| 2008 | Journal of Psychophysiology |
| 2012 | Journal of the American Medical Association |
| 2012 | The Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology |
| 2010 | The Lancet |
| 2006 | NeuroImage and NeuroImage: Clinical |
| 2006 | Neurology |
| 2002 | Neuropsychology |
| 2012 | Neuroscience |
| 2009, 2011 | Neuroscience and Biobehavioral Reviews |
| 2004 | Neuroscience Letters |
| 2012 | Pediatrics |
| 1999 | Perceptual and Motor Skills |
| 2016, 2017 | Physiology and Behavior |
| 2010, 2011 | PLoS ONE |
| 2007, 2010, 2013, 2017, 2018 | Proceedings of the National Academy of Sciences |
| 2008, 2011 | Psychological Science |
| 2012 | Psychological Bulletin |
| 2008 | Psychoneuroendocrinology |
| 2002-pres | Psychosomatic Medicine |
| 2000-pres. | Psychophysiology |
| 2011 | Science |
| 2011, 2012, 2016, 2020 | Social, Cognitive, Affective Neuroscience |
| 2008, 2011 | Trends in Cognitive Sciences |

**Book proposal reviewer**

2007 Oxford University Press

2016, 2017 Routledge

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| **SERVICE** |
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| **Professional society service** |
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| *Inclusive years of service* | *Position, Committee, and Organization* |
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| 1999-2004 | Member, Committee to Promote Student Interests, Society for Psychophysiological Research |
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| 2004-2015 | Reviewer, Conference Abstracts, American Psychosomatic Society annual meeting |
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| 2005-2006 | Member, Nominating Committee, Society for Psychophysiological Research |
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| 2004-2008 | Member, Program Committee, American Psychosomatic Society |
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| 2005-2009 | Member, Scientific Advisory Board and Conference Abstract Reviewers, Organization for Human Brain Mapping |
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| 2008, 2016 | Member, Strategic Planning Committee, American Psychosomatic Society |
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| 2008-2010 | Member, Bylaws Committee, Society for Psychophysiological Research |
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| 2009-2012 | Member, Award Selection Committee, American Psychosomatic Society |
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| 2010, 2011 | Reviewer, Conference Abstracts, Division 38 program of the 2011 American Psychological Association Convention |
| 2012-2013 | Member, Program Committee, Society for Psychophysiological Research |
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| 2012-2015 | Chair, Award Selection Committee, American Psychosomatic Society (Herbert Weiner Early Career Award, Patricia Barchas Award in Sociophysiology, Donal Oken Fellowship, APS Scholar Awards, Minority Travel Awards, Medical Scientist Travel Awards, and Distinguished Scientist Award) |
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| 2013-2014 | Member, Program Committee, Academy of Behavioral Medicine Research |
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| 2013-2017 | Writing Member, Working Group on Stress and Health Disparities, American Psychological Association, Public Interest Directorate |
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| 2015-2018 | Elected Member, Council, American Psychosomatic Society |
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| 2017-2018 | Elected Member, Nominating Committee, American Psychosomatic Society |
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| 2022 | Reviewer, Young Investigator Colloquium, American Psychosomatic Society |

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| **University and departmental service** |
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| 2000-pres. | Ad hoc reviewer for the Department of Psychiatry Research Review Committee, University of Pittsburgh Medical Center (over 50 grant proposals reviewed) |
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| 2006-2010 | Member, Peer Review Research Committee, Pilot Imaging Program of the Magnetic Resonance Research Center and Positron Emission Tomography Center, University of Pittsburgh Medical Center |
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| 2007-2009 | Member, Training Faculty, Department of Psychiatry Post-doctoral Survival Skills Seminar, University of Pittsburgh Medical Center |
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| 2008-2011 | Member, Academic Promotions and Tenure Committee, Department of Psychiatry, University of Pittsburgh Medical Center |
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| 2009 | Grant Reviewer, Manners Faculty Development Award, University of Pittsburgh Center for Social and Urban Research |
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| 2009 | Facilitator/Coordinator, Pro-seminar in Neuroscience, Department of Neuroscience |
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| 2011 | Member, Western Psychiatric Institute and Clinic, Research Day Planning Committee, University of Pittsburgh Medical Center |
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| 2012 | Poster Judge, Grad Expo 2012, Dietrich School of Arts and Sciences, University of Pittsburgh |
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| 2010-2011 | Chair of the Brown Bag Series in Biological and Health Psychology, Department of Psychology |
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| 2012-2013 | Member, Assistant Professor search committee, area of emphasis on diversity and underrepresented minority groups, Department of Psychology |
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| 2012-2013 | Chair of the Colloquium Committee, Department of Psychology |
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| 2013-2016 | Member, Undergraduate Education Committee, Department of Psychology |
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| 2013-2016 | Member, Executive Committee, Center for the Neural Basis of Cognition |
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| 2014-2017, 2020-pres.2019-20202015-20162014, 2015 | Member, Executive Committee and Faculty Development Committee, Department of PsychologyMember, IRB Committee, Department of PsychologyMember, Assistant Professor Search Committee, LRDC-Brain Institute-Psychology, Faculty Position, Department of Psychology |
| 2017-2018 (2020-2021) | Member, Departmental Colloquium Committee |
| 2021-pres. | Member, Ethics & Anti Bias Committee |
| 2021-pres. | Member, Steering Committee, CMU-Pitt, Brain Imaging Data Generation and Education Center |
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| 2023 | Ad hoc promotion committee, Dietrich School of Arts and Sciences |
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| **Other service** |
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| 2001, 2002, 2004 | Judge, Senior Biological Sciences Category of Pittsburgh Science Fair |
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| 2010-pres. | Participating Mentor, National Heart Lung and Blood Institute eMentoring Program |
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| 2010, 2019 | External Academic Promotion Referee for Columbia University |
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| 2013 | External Academic Promotion Referee for University of Texas, Austin |
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| 2015, 2020, 2022, 2023 | External Academic Promotion Referee for The Ohio State University |
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| 2016 | External Academic Promotion Referee for Carnegie Mellon University |
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| 2016 | External Academic Promotion Referee for Duke University |
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| 2016 | External Academic Promotion Referee for University of Denver |
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| 2017 | External Academic Promotion Referee for Siena College |
| 2017 | 2 External Academic Promotion Referee Letters for University of Pittsburgh Medical Center |
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| 2017, 2018, 2021, 2022 | External Academic Promotion Referee for Columbia University |
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| 2017, 2018, 2021, 2022 | External Academic Promotion Referee for UC San Francisco |
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| 2018, 2021 | External Academic Promotion Referee for University of Texas, Austin |
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| 2019 | External Academic Promotion Referee for Rutgers University  |
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| 2019, 2021 | External Academic Promotion Referee for UNC, Chapel Hill |
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| 2021 | External Academic Promotion Referee for Baylor University |
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| 2022 | External PhD Examiner, University of Toronto |