

# CURRICULUM VITAE

## BIOGRAPHICAL

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## EDUCATION and TRAINING

### UNDERGRADUATE:

1964-1966	Foothill Junior College, Los Altos, CA	A.A. 1966	Psychology
1966-1968	University of California at Berkeley, Berkeley, CA	A.B. 1968	Psychology

### GRADUATE:

1970-1971	California State University at San Jose San Jose, CA	M.A. 1971	Psychology
1972-1976	University of Texas at Austin Austin, TX	Ph.D. 1976	Psychology

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## APPOINTMENTS AND POSITIONS

### ACADEMIC:

1973	University of Texas at Austin Department of Psychology Austin, TX	Instructor
1974-1975	University of Texas at Austin Department of Psychology Austin, TX	Research Associate David C. Glass, Supervisor

1976-1978	Kansas State University Department of Psychology Manhattan, KS	Assistant Professor
1977-1978	Institute of Environmental Research Kansas State University Manhattan, KS	Research Associate
1979-1983	University of Pittsburgh Departments of Psychiatry, Epidemiology, and Psychology, Pittsburgh, PA	Assistant Professor
1983-1989	University of Pittsburgh Departments of Psychiatry, Epidemiology, and Psychology, Pittsburgh, PA	Associate Professor
1983-2020	Cardiovascular Behavioral Medicine Research Training Program, University of Pittsburgh Pittsburgh, PA	Director
December 1985	Awarding of Tenure, Department of Psychiatry, University of Pittsburgh, Pittsburgh, PA	
1989-2021	University of Pittsburgh Departments of Psychiatry and Epidemiology Pittsburgh, PA	Professor
1990-2021	University of Pittsburgh Department of Psychology Pittsburgh, PA	Professor
1999-2010	The Pittsburgh Mind-Body Center University of Pittsburgh and Carnegie Mellon University Pittsburgh, PA	Director
2009-2021	University of Pittsburgh Clinical and Translational Science Institute Pittsburgh, PA	Professor
2009-2021	University of Pittsburgh Department of Psychiatry Pittsburgh, PA	Distinguished Professor
2021-present	University of Pittsburgh Department of Psychiatry Pittsburgh, PA	Distinguished Professor Emeritus

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### MEMBERSHIPS IN PROFESSIONAL and SCIENTIFIC SOCIETIES

American Psychological Association	1976-present
Society for Research in Child Development	1976-1983

Eastern Psychological Association	1979-present
American Psychosomatic Society	1980-present
American Heart Association	1980-present
Academy of Behavioral Medicine Research	1981-present
Society of Behavioral Medicine	1981-present
American Association for the Advancement of Science	1981-1987
Society of Experimental Social Psychology	1982-2000
American Psychological Society	1988-2003
Institute of Medicine	2002-present

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### HONORS

American Heart Association Established Investigatorship	1980-1985
Research Career Development Award, National Heart, Lung, and Blood Institute, offered and declined	1980
Member of Academy of Behavioral Medicine Research	1981
Fellow of American Heart Association, Council of Epidemiology	1981
Fellow of American Psychological Association	1982
Award for Outstanding Contributions to Health Psychology, Division 38, American Psychological Association	1983
Scientist-at-Large in MacArthur Foundation Network on Health-Promoting and Health-Damaging Behavior	1983-1988; 1990-1993
Fellow of Society of Behavioral Medicine	1985
Prokasy Lecturer, University of Utah, Salt Lake City, UT	1987
President of Division 38, Health Psychology, American Psychological Association	1987-1988
Editor-in-Chief, <u>Health Psychology</u>	1990-1994
MERIT Award (Method to Extend Research in Time), National Heart, Lung, and Blood Institute	1990-2001
President of American Psychosomatic Society	1990-1991
Award for Distinguished Contributions to Health Psychology, Division 38, American Psychological Association	1992

One of 50 Highest Impact Authors in Psychology Based on Citations/ Number of Publications from 1986-1990, Institute for Scientific Information	1992
Most Frequently Cited Author in <u>Health Psychology</u> , 1982-1991	1992
Citation Classic Recognition from <u>Current Contents</u> : Understanding a Psychological Risk Factor for Coronary Disease	1992
Award for Significant Research Contribution, Society of Pediatric Psychology	1994
Distinguished Scientist Award, Society of Behavioral Medicine	1999
Chair, Center for Scientific Review Advisory Committee, National Institutes of Health	2000-2003
Distinguished Alumnus Award Department of Psychology, University of Texas at Austin	2001
Master Lecturer, American Psychological Association, San Francisco, CA	2001
Member, National Academy of Medicine	2002
Cardiovascular Research Award, North American Menopause Society/Pfizer	2004
American Psychosomatic Society President's Award	2005
American Psychological Association Award for Distinguished Scientific Applications of Psychology	2005
Philosophiae Doctor Honoris Causa, University of Helsinki, Finland	2007
Walker-Ames Lecturer, University of Washington, Seattle, WA	2008
Science Series Lecturer, Oregon Research Institute (ORI), Eugene, OR (Invited Lecture in honor of ORI's 50 <sup>th</sup> anniversary)	2010
One of Top 100 Most Cited People in Psychiatry/Psychology, Web of Science	2011
Nathan Perry Career Service to Health Psychology Award, Division 38 Health Psychology, American Psychological Association	2011
Albert Alden Lecturer, Duke University Department of Psychiatry	2012
Patricia R. Barchas Award, American Psychosomatic Society	2013
James McKeen Cattell Lifetime Achievement Award for Applied Research, Association of Psychological Science	2013
Lifetime Achievement Award, Academy of Behavioral Medicine Research	2017
Distinguished Scientist Award, American Psychosomatic Society	2020

## PUBLICATIONS

### Refereed Articles

1. **Matthews KA**, Krantz DS. Resemblance of twins and their parents in pattern A behavior. *Psychosom Med.* 38:140-44, 1976.
2. **Matthews KA**, Glass DC, Rosenman RH, Bortner RW. Competitive drive, pattern A, and coronary heart disease: a further analysis of some data from the Western Collaborative Group Study. *J Chronic Dis.* 30:489-98, 1977.
3. **Matthews KA**. Caregiver-child interactions and the Type A coronary-prone behavior pattern. *Child Dev.* 48:1752-6, 1977.
4. **Matthews KA**, Saal FE. Relationship of the Type A coronary-prone behavior pattern to achievement, power, and affiliation motives. *Psychosom Med.* 40:631-6, 1978.
5. Weidner G, **Matthews KA**. Reported physical symptoms elicited by unpredictable events and the Type A coronary-prone behavior pattern. *J Pers Soc Psychol.* 36:1213-20, 1978.
6. Barnett MA, **Matthews KA**, Corbin C: The effect of competitive and cooperative instructional sets on children's generosity. *Pers Soc Psychol Bull.* 5:91-4, 1979.
7. Barnett MA, **Matthews KA**, Howard JA. The relationship between competitiveness and empathy in 6- and 7-year-olds. *Dev Psychol.* 15:221-2, 1979.
8. **Matthews KA**, Rosenfield D, Stephan WG. Playing hard to get: a two-determinant model. *J Res Pers.* 13:234-44, 1979.
9. Corbin CS, Barnett MA, **Matthews KA**. The effect of direct and indirect competition on children's state anxiety. *J Leisure Res.* 11:271-7, 1979.
10. Krantz DS, Sanmarco MI, Selvester RH, **Matthews KA**. Psychological correlates of progression of atherosclerosis in men. *Psychosom Med.* 41:467-75, 1979.
11. **Matthews KA**, Brunson BI. Allocation of attention and the Type A coronary-prone behavior pattern. *J Pers Soc Psychol.* 37:2081-90, 1979.
12. **Matthews KA**. Efforts to control by children and adults with the Type A coronary-prone behavior pattern. *Child Dev.* 50:842-7, 1979.
13. **Matthews KA**, Scheier MF, Brunson BI, Carducci B. Attention, unpredictability, and reports of physical symptoms: eliminating the benefits of predictability. *J Pers Soc Psychol.* 38:525-37, 1980.
14. **Matthews KA**, Angulo J. Measurement of the Type A behavior pattern in children: assessment of children's competitiveness, impatience-anger, and aggression. *Child Dev.* 51:466-75, 1980.
15. Helmreich RL, Spence JT, Beane WF, Lucker GW, **Matthews KA**. Making it in academic psychology: demographic and personality correlates of attainment. *J Pers Soc Psychol.* 39:896-908, 1980.
16. **Matthews KA**, Helmreich RL, Beane WF, Lucker GW. Pattern A, achievement-striving, and scientific merit: does pattern A help or hinder? *J Pers Soc Psychol.* 39:962-7, 1980.

17. Cottington EM, **Matthews KA**, Talbott E, Kuller LH. Environmental events preceding sudden death in women. *Psychosom Med.* 42:567-74, 1980.
18. Brunson BI, **Matthews KA**. The Type A coronary-prone behavior pattern and reactions to uncontrollable stress: an analysis of performance strategies, affect, and attributions during failure. *J Pers Soc Psychol.* 40:906-18, 1981.
19. **Matthews KA**, Batson CD, Horn J, Rosenman RH. "Principles in his nature which interest him in the fortune of others...": the heritability of empathic concern for others. *J Pers.* 49:237-47, 1981.
20. Siegel JM, **Matthews KA**, Leitch CJ. Validation of the Type A interview assessment of adolescents: a multidimensional approach. *Psychosom Med.* 43:311-21, 1981.
21. Horn JM, **Matthews KA**, Rosenman R: Blood groups, physical appearance, and personality similarity in adult dizygotic twins. *Twin Research* 3. Part B. Intelligence, personality, and development. *Prog Clin Biol Res.* 69B:121-6, 1981.
22. **Matthews KA**, Volkin JI. Efforts to excel and the Type A behavior pattern in children. *Child Dev.* 52:1283-9, 1982.
23. **Matthews KA**, Krantz DS, Dembroski TM, MacDougall JM. Unique and common variance in Structured Interview and Jenkins Activity Survey measures of the Type A behavior pattern. *J Pers Soc Psychol.* 42:303-13, 1982.
24. **Matthews KA**, Carra J. Suppression of menstrual distress symptoms: a study of Type A behavior. *Pers Soc Psychol Bull.* 8:146-51, 1982.
25. **Matthews KA**. Psychological perspectives on the Type A behavior pattern. *Psychol Bull.* 91:293-323, 1982.
26. **Matthews KA**, Avis NE. Psychologists in schools of public health: current status, future prospects, and implications for other health settings. *Am Psychol.* 37:949-54, 1982.
27. Corse CD, Manuck SB, Cantwell JD, Giordani B, **Matthews KA**. Coronary-prone behavior pattern and cardiovascular response in persons with and without coronary heart disease. *Psychosom Med.* 44:449-59, 1982.
28. **Matthews KA**, Siegel JM. Type A behaviors by children, social comparison, and standards for self-evaluation. *Dev Psychol.* 19:135-40, 1983.
29. **Matthews KA**, Siegel JM, Kuller LH, Thompson M, Varat M. Determinants of decisions to seek medical treatment by patients with acute myocardial infarction symptoms. *J Pers Soc Psychol.* 44:1144-56, 1983.
30. **Matthews KA**. Origins of the Type A (coronary-prone) behavior pattern. *J South Carolina Med Assoc.* October:551-556, 1983.
31. Siegel JM, **Matthews KA**, Leitch CJ. Blood pressure variability and the Type A behavior pattern in adolescence. *J Psychosom Res.* 27:265-72, 1983.
32. **Matthews KA**, Avis NE. Stability of overt Type A behaviors in children: results from a one-year longitudinal study. *Child Dev.* 54:1507-12, 1983.
33. **Matthews KA**, Jennings JR. Cardiovascular responses of boys exhibiting the Type A behavior

pattern. *Psychosom Med.* 46:484-97, 1984.

34. Jennings JR, **Matthews KA**. The impatience of youth: phasic cardiovascular response in Type A and Type B elementary school-aged boys. *Psychosom Med.* 46:498-511, 1984.
35. **Matthews KA**, Rosenman RH, Dembroski TM, Harris EL, MacDougall JM. Familial resemblance in components of the Type A behavior pattern: a reanalysis of the California Type A Twin Study. *Psychosom Med.* 46:512-22, 1984.
36. **Matthews KA**, Jamison W, Cottingham EM. Assessment of Type A, anger, and hostility: a review of measures through 1982. *Psychol Doc.* 4(2):1-74, 1984.
37. Talbott EO, Helmkamp JC, **Matthews KA**, Kuller LH, Cottingham EM, Redmond G. Occupational noise exposure, noise-induced hearing loss, and the epidemiology of high blood pressure. *Am J Epidemiol.* 121:501-14, 1985.
38. Manuck SB, Kaplan JR, **Matthews KA**. Behavioral antecedents of coronary heart disease and atherosclerosis. *Arteriosclerosis.* 6:2-14, 1986.
39. **Matthews KA**, Manuck SB, Saab PG. Cardiovascular responses of adolescents during a naturally occurring stressor and their behavioral and psychophysiological predictors. *Psychophysiology.* 23:198-209, 1986.
40. **Matthews KA**, Haynes SG. Type A behavior pattern and coronary risk: update and critical evaluation. *Am J Epidemiol.* 123:923-60, 1986.
41. Cottingham EM, **Matthews KA**, Talbott EO, Kuller LH. Occupational stress, suppressed anger, and hypertension. *Psychosom Med.* 48:249-60, 1986.
42. Adams LL, LaPorte RE, **Matthews KA**, Orchard TJ, Kuller LH. Blood pressure determinants in a middle class black population: the University of Pittsburgh experience. *Prev Med.* 15:232-43, 1986.
43. Murray DM, **Matthews KA**, Blake SM, Prineas RJ, Gillum RF. Type A behavior in children: demographic, behavioral and physiological correlates. *Health Psychol.* 5:159-69, 1986.
44. **Matthews KA**, Stoney CM, Rakaczky CJ, Jamison W. Family characteristics and school achievement of Type A children. *Health Psychol.* 5:453-67, 1986.
45. Allen MT, Lawler KA, Mitchell VP, **Matthews KA**, Rakaczky CJ, Jamison W. Type A behavior pattern, parental history of hypertension, and cardiovascular reactivity in college males. *Health Psychol.* 6:113-30, 1987.
46. Stoney CM, Davis MC, **Matthews KA**. Sex differences in physiological responses to stress and in coronary heart disease: a causal link? *Psychophysiology.* 24:127-31, 1987.
47. **Matthews KA**, Rakaczky CJ, Stoney CM, Manuck SB. Are cardiovascular responses to behavioral stressors a stable individual difference variable in childhood? *Psychophysiology.* 24:464-73, 1987.
48. Cohen S, **Matthews KA**. Social support, Type A behavior, and coronary artery disease. *Psychosom Med.* 49:325-30, 1987.
49. **Matthews KA**, Cottingham EM, Talbott EO, Kuller LH, Siegel JM. Stressful work conditions and diastolic blood pressure among blue collar factory workers. *Am J Epidemiol.* 126:280-91, 1987.

50. Visintainer PF, **Matthews KA**. Stability of overt Type A behaviors in children: results from a two and five year longitudinal study. *Child Dev.* 58:1586-91, 1987.
51. **Matthews KA**, Stoney CM. Influences of sex and age on cardiovascular responses during stress. *Psychosom Med.* 50:46-56, 1988.
52. Stoney CM, **Matthews KA**. Parental history of hypertension and myocardial infarction predicts cardiovascular responses to behavioral stressors in middle-aged men and women. *Psychophysiology.* 25:269-77, 1988.
53. **Matthews KA**, Manuck SB, Stoney CM, Rakaczky CJ, McCann BS, Saab PG, Woodall KL, Block DR, Visintainer PF, Engebretson TO. Familial aggregation of blood pressure and heart rate responses during behavioral stress. *Psychosom Med.* 50:341-52, 1988.
54. McCann BS, **Matthews KA**. Influences of potential for hostility, Type A behavior, and parental history of hypertension on adolescents' cardiovascular responses during stress. *Psychophysiology.* 25:503-11, 1988.
55. Egeland GM, **Matthews KA**, Kuller LH, Kelsey SF. Characteristics of noncontraceptive hormone users. *Prev Med.* 17:403-11, 1988.
56. **Matthews KA**. Coronary heart disease and Type A behaviors: update on and alternative to the Booth-Kewley and Friedman (1987) quantitative review. *Psychol Bull.* 104:373-80, 1988.
57. Stoney CM, **Matthews KA**, McDonald RH, Johnson CA. Sex differences in lipid, lipoprotein, cardiovascular, and neuroendocrine responses to acute stress. *Psychophysiology.* 25:645-56, 1988.
58. Meilahn EN, Kuller LH, Stein EA, Caggiula AW, **Matthews KA**. Characteristics associated with apoprotein and lipoprotein lipid levels in middle-aged women. *Arteriosclerosis.* 8:515-20, 1988.
59. **Matthews KA**, Kelsey SF, Meilahn EN, Kuller LH, Wing RR. Educational attainment and behavioral and biologic risk factors for coronary heart disease in middle-aged women. *Am J Epidemiol.* 129:1132-44, 1989.
60. Pedersen NL, Lichtenstein P, Plomin R, DeFaire U, McClearn GE, **Matthews KA**. Genetic and environmental influences for type A-like measures and related traits: a study of twins reared apart and twins reared together. *Psychosom Med.* 51:428-40, 1989.
61. Wing RR, Bunker CH, Kuller LH, **Matthews KA**. Insulin, body mass index and cardiovascular risk factors in premenopausal women. *Arteriosclerosis.* 9:479-84, 1989.
62. Saab PG, **Matthews KA**, Stoney CM, McDonald RH. Premenopausal and postmenopausal women differ in their cardiovascular and neuroendocrine responses to behavioral stressors. *Psychophysiology.* 26:270-80, 1989.
63. **Matthews KA**, Meilahn E, Kuller LH, Kelsey SF, Caggiula AW, Wing RR. Menopause and coronary heart disease risk factors. *N Engl J Med.* 321:641-6, 1989.
64. **Matthews KA**. Interactive effects of behavior and reproductive hormones on sex differences in risk for coronary heart disease. *Health Psychol.* 8:373-87, 1989.
65. Woodall KL, **Matthews KA**. Familial environment associated with Type A behaviors and psychophysiological responses to stress in children. *Health Psychol.* 8:403-26, 1989.



66. Engebretson TO, **Matthews KA**, Scheier MF. Relationships between anger expression and cardiovascular reactivity: reconciling inconsistent findings through a matching hypothesis. *J Pers Soc Psychol.* 57:513-21, 1989.
67. **Matthews KA**, Rodin J. Women's changing work roles: impact on health, family and public policy. *Am Psychol.* 44:1389-93, 1989.
68. Repetti RL, **Matthews KA**, Waldron I. Effects of paid employment on women's mental and physical health. *Am Psychol.* 44:1394-1402, 1989.
69. Wing RR, Kuller LH, Bunker CA, **Matthews KA**, Caggiula AW, Meilahn E, Kelsey SF. Obesity, obesity related behaviors and coronary heart disease risk factors in black and white premenopausal women. *Int J Obesity.* 13:511-19, 1989.
70. Menkes MS, **Matthews KA**, Krantz DS, Lundberg U, Mead LA, Qaqish B, Liang K-Y, Thomas CB, Pearson TA. Cardiovascular reactivity to the cold pressor test as a predictor of hypertension. *Hypertension.* 14:524-30, 1989.
71. Talbott EO, Kuller LH, Detre K, **Matthews KA**, Norman S, Kelsey SF, Belle S. Reproductive history of women dying of sudden cardiac death: a case-control study. *Int J Epidemiol.* 18:589-94, 1989.
72. Scheier MF, **Matthews KA**, Owens J, Magovern GJ, Sr., Lefebvre RC, Abbott RA, Carver CS. Dispositional optimism and recovery from coronary artery bypass surgery: the beneficial effects on physical and psychological well-being. *J Pers Soc Psychol.* 57:1024-40, 1989.
73. Meilahn EN, **Matthews KA**, Egeland G, Kelsey SF. Characteristics of women with hysterectomy. *Maturitas.* 11:319-29, 1989.
74. Fredrikson M, **Matthews KA**. Cardiovascular responses to behavioral stress and hypertension: a meta-analytic review. *Ann Behav Med.* 12:30-9, 1990.
75. Stoney CM, Owens JF, **Matthews KA**, Davis MC, Caggiula A. Influences of the normal menstrual cycle on physiologic functioning during behavioral stress. *Psychophysiology.* 27:125-35, 1990.
76. Owens JF, **Matthews KA**, Wing RR, Kuller LH. Physical activity and cardiovascular risk: a cross-sectional study of middle-aged premenopausal women. *Prev Med* 19:147-57, 1990.
77. **Matthews KA**, Wing RR, Kuller LH, Meilahn EN, Kelsey SF, Costello EJ, Caggiula AW. Influences of natural menopause on psychological characteristics and symptoms of middle-aged healthy women. *J Cons Clin Psychol.* 58:345-51, 1990.
78. Caggiula AR, Stoney CM, **Matthews KA**, Owens JF, Davis MC, Rabin BS. T-lymphocyte reactivity during the menstrual cycle in women. *Clin Immunol Immunopathol.* 56:130-4, 1990.
79. **Matthews KA**, Woodall KL, Stoney CM. Changes in and stability of cardiovascular responses to behavioral stress. *Child Dev.* 61:1134-44, 1990.
80. Muldoon MF, Manuck SB, **Matthews KA**. Lowering cholesterol concentrations and mortality: a quantitative review of primary prevention trials. *Br Med J.* 301:309-14, 1990.
81. Talbott EO, Findlay RC, Kuller LH, Lenkner LA, **Matthews KA**, Day RD, Ishii EK. Noise-induced hearing loss: a possible marker for high blood pressure in older noise-exposed populations. *J Occup Med.* 32:690-7, 1990.

82. Davis MC, **Matthews KA**. Cigarette smoking and oral contraceptive use influence women's lipid, lipoprotein, neuroendocrine, and cardiovascular responses during stress. *Health Psychol.* 9:717-736, 1990.
83. Kuller LH, Gutai JP, Meilahn E, **Matthews KA**, Plantinga P. Relationship of endogenous sex steroid hormones to lipids and apoproteins in postmenopausal women. *Arteriosclerosis.* 10:1058-66, 1990.
84. Egeland GM, Kuller LH, **Matthews KA**, Kelsey SF, Cauley J, Guzick D. Hormone replacement therapy and lipoprotein changes during early menopause. *Obstet Gynecol.* 76:776-82, 1990.
85. Wing RR, **Matthews KA**, Kuller LH, Meilahn EN, Plantinga PL. Weight gain at the time of the menopause. *Arch Intern Med.* 151:97-102, 1991.
86. Muldoon MF, Manuck SB, **Matthews KA**. Does cholesterol lowering increase non-illness-related mortality? *Arch Intern Med.* 151:1453-4, 1991.
87. **Matthews KA**, Davis MC, Stoney CM, Owens JF, Caggiula AR. Does the gender relevance of the stressor influence sex differences in psychophysiological responses? *Health Psychol.* 10:112-20, 1991.
88. Markovitz JH, **Matthews KA**, Wing RR, Kuller LH, Meilahn EN. Psychological, health behavior, and biological predictors of blood pressure change in middle-aged women. *J Hypertension.* 9:399-406, 1991.
89. Meilahn EN, Kuller LH, **Matthews KA**, Wing RR, Caggiula AW, Stein EA. Potential for increasing high-density lipoprotein cholesterol, subfractions HDL2-c and HDL3-c, and apoprotein AI among middle-aged women. *Prev Med.* 20:462-73, 1991.
90. Blumenthal JA, **Matthews KA**, Fredrikson M, Rifai N, Schniebolk S, German D, Steege J, Rodin J. Effects of exercise training on cardiovascular function and plasma lipid, lipoprotein, and apolipoprotein concentrations in premenopausal and postmenopausal women. *Arteriosclerosis Thrombosis.* 11:912-7, 1991.
91. Blumenthal JA, Fredrikson M, **Matthews KA**, Kuhn CM, Schniebolk S, German D, Rifai N, Steege J, Rodin J. Stress reactivity and exercise training in premenopausal and postmenopausal women. *Health Psychol.* 10:384-91, 1991.
92. Wing RR, **Matthews KA**, Kuller LH, Meilahn EN, Plantinga P. Waist:hip ratio in middle-aged women: associations with behavioral and psychosocial factors and with changes in cardiovascular risk factors. *Arteriosclerosis Thrombosis.* 11:1250-7, 1991.
93. Burgio KL, **Matthews KA**, Engel G. Prevalence, incidence and correlates of urinary incontinence in healthy, middle-aged women. *J Urol.* 146:1255-9, 1991.
94. Markovitz JM, **Matthews KA**. Platelets in coronary heart disease: potential pathophysiologic mechanisms. *Psychosom Med.* 53:643-68, 1991.
95. Bunker CH, Wing RR, Mallinger AG, Becker DJ, **Matthews KA**, Kuller LH. Cross-sectional and longitudinal relationship of sodium-lithium countertransport to insulin, obesity and blood pressure in healthy perimenopausal women. *J Hum Hyperten.* 5:381-92, 1991.
96. Lloyd CE, **Matthews KA**, Wing RR, Orchard TJ. Psychosocial factors and complications of IDDM. the Pittsburgh Epidemiology of Diabetes Complications Study. VIII. *Diabetes Care.* 15:166-72, 1992.

97. Owens JF, **Matthews KA**, Wing RR, Kuller LH. Can physical activity mitigate the effects of aging in middle-aged women? *Circulation*. 85:1265-70, 1992.
98. **Matthews KA**, Rodin J. Pregnancy alters blood pressure responses to psychological and physical challenge. *Psychophysiology*. 29:236-44, 1992.
99. Engebretson TO, **Matthews KA**. Dimensions of hostility in men, women, and boys: relationships to personality and cardiovascular responses to stress. *Psychosom Med*. 54:311-23, 1992.
100. **Matthews KA**, Woodall KL, Engebretson TO, McCann BS, Stoney CM, Manuck SM, Saab PG. Influence of age, sex, and family on Type A and hostile attitudes and behaviors. *Health Psychol*. 11:317-23, 1992.
101. Meilahn E, Kuller L, **Matthews KA**, Kiss J. Fibrinogen and factor VIIc levels according to menopausal status and use of hormone replacement therapy. *Ann Epidemiol*. 2:445-55, 1992.
102. **Matthews KA**, Owens JF, Allen MT, Stoney CM. Do cardiovascular responses to laboratory stress relate to ambulatory blood pressure levels?: Yes, in some of the people, some of the time. *Psychosom Med*. 54:686-97, 1992.
103. Wing RR, **Matthews KA**, Kuller LH, Smith D, Becker D, Plantinga PL, Meilahn EN. Environmental and familial contributions to insulin levels and change in insulin in middle-aged women. *JAMA*. 268:1890-5, 1992.
104. Woodall KL, **Matthews KA**. Changes in and stability of hostile characteristics: results from a four year longitudinal study of children. *J Pers Soc Psychol*. 64:491-9, 1993.
105. Perkins KA, Rohay J, Meilahn EN, Wing RR, **Matthews KA**, Kuller LH. Diet, alcohol intake, and physical activity as a function of smoking status in middle-aged women. *Health Psychol*. 12:410-5, 1993.
106. Allen MT, Stoney CM, Owens JF, **Matthews KA**. Hemodynamic adjustments to laboratory stress: the influence of gender and personality. *Psychosom Med*. 55:505-17, 1993.
107. **Matthews KA**, Woodall KL, Allen, MT. Cardiovascular reactivity to stress predicts future blood pressure status. *Hypertension*. 22:479-85, 1993.
108. Owens JF, Stoney CM, **Matthews KA**. Menopausal status influences ambulatory blood pressure levels and blood pressure changes during mental stress. *Circulation*. 88:2794-802, 1993.
109. Markovitz JH, **Matthews KA**, Kannel WB, Cobb JL, D'Agostino RB. Psychological predictors of hypertension in the Framingham Study: is there tension in hypertension? *JAMA*. 270:2439-43, 1993.
110. Lassner JB, **Matthews KA**, Stoney CM. Are cardiovascular reactors to asocial stress also reactors to social stress? *J Pers Soc Psychol*. 66:69-77, 1994.
111. Bromberger JT, **Matthews KA**. Employment, nonemployment, and depressive symptoms in middle-aged women: a longitudinal investigation. *Am J Pub Health*. 84:202-6, 1994.
112. **Matthews KA**, Wing RR, Kuller LH, Meilahn EN, Plantinga P. Influence of the perimenopause on cardiovascular risk factors and symptoms of middle-aged healthy women. *Arch Intern Med*.

154:2349-2355, 1994.

113. Carson CA, Caggiula AW, Meilahn EN, **Matthews KA**, Kuller LH. Coffee consumption: its relationship to blood lipids in middle-aged women. *Int J Epidemiol.* 23:523-7, 1994.
114. Caggiula AR, McAllister CG, **Matthews KA**, Berga SL, Owens JF, Miller AL. Psychological stress and immunological responsiveness in normally cycling, follicular-stage women. *J Neuroimmunol.* 59:103-11, 1995.
115. Davis MC, **Matthews KA**, Meilahn EN, Kiss JE. Are job characteristics related to fibrinogen levels in middle-aged women? *Health Psychol.* 14:310-8, 1995.
116. Patterson SM, **Matthews KA**, Allen MT, Owens JF. Stress-induced hemoconcentration of blood cells and lipids in healthy women during acute psychological stress. *Health Psychol.* 14:319-24, 1995.
117. Everson SA, **Matthews KA**, Guzick DS, Wing RR, Kuller LH. Effects of surgical menopause on psychological characteristics and lipid levels: the Healthy Women Study. *Health Psychol.* 14:435-443, 1995
118. **Matthews KA**, Caggiula AR, McAllister CG, Berga SL, Owens JF, Flory JD, Miller AL. Sympathetic reactivity to acute stress and immune response in women. *Psychosom Med.* 57:564-71, 1995.
119. Markovic N, **Matthews KA**, Huston SL, Egbagbe E, Ukoli FAM, Bunker CH. Blood pressure reactivity to stress varies by hypertensive status and sex in Nigerians. *Am J Epidemiol.* 142:1020-8, 1995.
120. Kuller LH, Meilahn E, Bunker C, Yong LC, Sutton-Tyrrell K, **Matthews KA**. Development of risk factors for cardiovascular disease among women from adolescence to older ages. *Am J Med Sci.* 310(Suppl 1):S91-100, 1995.
121. Bunker CH, Ukoli FA, **Matthews KA**, Kriska AM, Huston SL, Kuller LH. Weight threshold and blood pressure in a lean Black population. *Hypertension.* 26:616-23, 1995.
122. **Matthews KA**, Woodall KL, Kenyon K, Jacob T. Negative family environment as a predictor of boys' future status on measures of hostile attitudes, interview behavior, and anger expression. *Health Psychol.* 15:30-7, 1996.
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### **Reviews, Invited Published Papers, Proceedings of Conferences and Symposia, Monographs, Books and Book Chapters**

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75. Bromberger JT, Chang Y, Buysse DJ, **Matthews KA**, Owens JF, Hall M, Sanders M, Kravitz H, Sowers MF, Hardin K: Past depression and current sleep problems in midlife women. *Psychosom Med.* 71:A Abstract, 2009.
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78. **Matthews KA**, Gallo LC, Taylor SE: Are psychosocial factors mediators of socioeconomic status and health connections:? A progress report and blueprint for the future. *Ann NY Acad Sci* 1186:146-173, 2010. DOI: 10.1111/j.1749-6632.2009.05332.x
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80. Gump BB, **Matthews KA**. Stress and the development of atherosclerotic cardiovascular disease. In: S Waldstein, W Kop, L Katzel, editors. *Cardiovascular Behavioral Medicine*. New York: Springer; 2011.
81. **Matthews KA**, Gallo LC. Psychological perspectives on pathways linking socioeconomic status and physical health. *Annu Rev Psychol.* 62:501-30, 2011. PMID: 20636127
82. **Matthews KA**. Matters of the heart: Advancing psychological perspectives on cardiovascular diseases. *Perspect Psychol Sci.* 8(6):676-78., 2013.
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85. Lockwood KG, Marsland AL, **Matthews KA**, Gianaros PJ. Perceived discrimination and cardiovascular health disparities: a multisystem review and health neuroscience perspective. *Ann NY Acad Sci.* 1428(1):170-207, 2018.

### Other publications

1. Owens JF, **Matthews KA**, Stoney CM, Berga SL. Menopause and blood pressure [letter]. *Circulation.* 89:2947, 1994.
2. **Matthews KA**, Kuller LH, Wing RR, Meilahn EN, Plantinga P. Health prior to hormone use: Matthews et al. reply to Grodstein [letter]. *Am J Epidemiol.* 143:983-84, 1996.
3. **Matthews KA**, Kuller LH, Wing RR, Meilahn EN, Plantinga P. Health prior to hormone use: Matthews et al. reply to Willett [letter]. *Am J Epidemiol.* 145:283-84, 1997.
4. **Matthews KA**, Cauley J, Yaffe K, Zmuda JM. Reply to Letter to Editor from Cunningham, O'Neill, and Rowan: Estrogen replacement therapy and cognitive decline in elderly community women [letter]. *J Am Geriatr Soc.* 47:518-23, 1999.
5. **Matthews KA.** Commentary: Is an educated wife hazardous to her husband's heart?: never, always, or sometimes? *Int J Epidemiol.* 31:806-7, 2002.
6. Yan LL, Liu K, **Matthews KA**, Daviglius ML, Ferguson TF, Kiefe CI. Psychosocial factors and risk for hypertension: the Coronary Artery Risk Development in Young Adults (CARDIA) study [Comment]. *JAMA.* 290:2190-2, 2003.
7. Yan LL, Liu K, Daviglius ML, **Matthews KA**, Kiefe CI. Hostility and impatience as risk factors for hypertension – reply [letter]. *JAMA.* 291:692, 2004.
8. Everson-Rose SA, **Matthews KA**, Torrens JI, Bromberger JT, Kravitz HM, Meyer PM. Depressive symptoms, insulin resistance, and risk of diabetes in women at midlife: response to Poucher and de Jonge [letter]. *Diabetes Care.* 28:1266, 2005.
9. Chen E, Martin AD, **Matthews KA.** Issues in exploring variation in childhood socioeconomic gradients by age: a response to Case, Paxson, and Vogl [letter]. *Soc Sci Med.* 64:762-4, 2007.
10. Thurston RC, **Matthews KA.** The importance of considering both racial and socioeconomic disparities: A response to Collins and Alpert. [letter]. *Soc Sci Med.* 69:1582-3, 2009. PMID: PMC2907745
11. Matthews KA, Adler NE, Forrest CB, Stead WW. Getting started: Comment on Condon et al (2017) and Rossiter (2017). *Am Psychol.* In press.
12. Thurston RC, **Matthews KA.** Women and children first: Promoting empowerment through resistance education-Reply. *JAMA Intern Med.* 2019 Feb 1;179(2):278-279. doi: 10.1001/jamainternmed.2018.7813.
13. Swabe G, **Matthews K**, Brooks M, Janssen I, Wang N, El Khoudary SR. Response to a letter to the editor on "HDL-C and arterial calcification in midlife women: The contribution of estradiol and C-

## PROFESSIONAL ACTIVITIES

### TEACHING:

#### At Kansas State University, Department of Psychology, Manhattan, KS:

1976-1978: Personality and Social Development  
Abnormal Psychology  
Psychology of Women  
Psychological Stress

#### At University of Pittsburgh, Pittsburgh, PA:

Course Title: Psychology 2505, Health Psychology Program Research Seminar  
Description: Organized seminar series on academic survival skills and research ethics  
Year: 2005-2008  
No. of Times: 2  
To Whom: Graduate students in psychology  
No. of Students: 20  
Where: Faculty of Arts & Sciences, Department of Psychology

Course Title: Psychology 2502, Health Fundamentals: Foundations of Biological and Health Psychology  
Description: Seminar based on the major conceptual and methodological tools that underlie contemporary research in health psychology  
Year: 2005 - 2007  
No. of Times: 2  
To Whom: Graduate students in psychology  
No. of Students: 8-10  
Where: Faculty of Arts & Sciences, Department of Psychology

Course Title: Epidemiology 2400, Behavioral Factors in Disease  
Description: Lectures on basic principles of assessment of psychosocial variables and on current status of research on psychosocial factors in chronic diseases  
Year: 1980 – 2004  
No. of Times: 15  
To Whom: Graduate students in public health and psychology, medical residents  
No. of Students: 15 - 30  
Where: Graduate School of Public Health, Department of Epidemiology

Course Title: Psychology 3215, Advanced Behavioral Medicine Seminar  
Description: Organization of seminar series on recent findings in behavioral medicine, including treatment and basic science research  
Year: 1983 - 1990  
No. of Times: 3 times per year  
To Whom: Graduate and postgraduate trainees who are graduate students in psychology and public health and physicians  
No. of Students: 10 - 20  
Where: Western Psychiatric Institute and Clinic

Course Title: Behavioral Medicine Course in Patient/Doctor Relationship Block  
Description: Course coordinator for problem-based learning series on concepts and skills of modern behavioral sciences and the determinants and consequences of health behaviors.

Year: 1992 - 1993  
 No. of Times: 2  
 To Whom: First year medical students  
 No. of Students: 144  
 Where: School of Medicine, Department of Psychiatry

Guest lectures in Epidemiology 2400 (Behavioral Factors in Disease); Epidemiology 2170 (Cardiovascular Epidemiology), Epidemiology 2250 (Epidemiology Seminar Series), Psychiatry I, Psychobiology 3rd year elective for medical students, Multidisciplinary Sleep Conference

Psychiatry Resident Seminar Series on the theme of Mind-Body Science, Summer 2009: Organized presentations and gave introductory lecture to the series

**Supervision of the following (listed chronologically):**

M.S./M.P.H. Students	Doctoral Students	Postdoctoral Fellows	
Gerdi Weidner	Kathy Ferguson	Judith M. Siegel	Jennifer J. McGrath
Bradford Brunson	Eric M. Cottington	Nancy E. Avis	Patricia K. Agatisa
Joseph Carra	Michael Peterson	Michael T. Allen	Sarah D. Pressman
Karen L. Woodall	Paul Visintainer	Patrice G. Saab	Danielle L. Beatty
Tilmer O. Engebretson	Jane F. Owens	R. Craig Lefebvre	Carissa A. Low
Mary C. Davis	Joyce T. Bromberger	Barbara S. McCann	Tanisha Burford
Laurie Trad	Tilmer O. Engebretson	Catherine M. Stoney	Maya Lambiase
Brooks B. Gump	Karen L. Woodall	Jerome H. Markovitz	Nataria Joseph
Sonya S. Brady	Mary C. Davis	Susan A. Everson	Jennifer Boylan
Kelly F. Harris	Jason B. Lassner	Janine D. Flory	Jenny Cundiff
Wendy M. Troxel	Annette Rexroad	Stephen M. Patterson	Matt Cribbet
Edie M. Goldbacher	Melissa Hagan	Brooks B. Gump	Katherine Duggan
Jennifer J. McGrath	Sonya S. Brady	Max Guyll	Rachel Koffer
Elizabeth J. Mezick	Wendy M. Troxel	Heidi Fritz	
Aimee J. Midei	Edie M. Goldbacher	Linda C. Gallo	
Carolyn J. Gibson	Mehret S. Birru	Edith Chen	
Sanam S. Dhaliwal	Elizabeth J. Mezick	Deborah J. Jones	
Karen P. Jakubowski	Aimee J. Midei	Karen M. Grewen	
Norman Wang	Carolyn J. Gibson	John M. Ruiz	
Briana Milligan Taylor	Carrie Hanley		
	Karen Jakubowski		

Post-Baccalaureate Students  
 Shannon Chiles

Medical Student Research  
 Louis Tripoli  
 Eric Wald  
 Alexandra Clark  
 Olutiwa Akomolede

**Sponsor or Co-Sponsor of Career Development Awards for the following:**

Jerome H. Markovitz, M.D., M.P.H.	Peter J. Gianaros, Ph.D.
Martica H. Hall, Ph.D.	Rebecca C. Thurston, Ph.D., M.S.
Rachel Hess, M.D., M.Sc.	Wendy Troxel, Ph.D.
Margaret B. Conroy, M.D., M.P.H.	Ciara Ghetti, M.D.
Carol Greco, Ph.D.	Beth Prairie, M.D., M.P.H.
Kathleen McTighe, M.D., M.P.H.	Samar El Khoudary, Ph.D.

**RESEARCH:**

<b>Prior Grant Support:</b>				
	Origins of the Type A Behavior Pattern	Established Investigator	7/1/80-6/30/85 (100% salary support)	American Heart Association
RO1 HL25005	Noise and the Epidemiology of High Blood Pressure	Co-Principal Investigator, 5%	12/1/80-11/30/82	NIH NHLBI
	Operating Costs and Laboratory Instrumentation for Network on Health-Promoting and Health-Damaging Behavior	Scientist-At-Large	1/1/83-12/31/88 (\$12,000)	MacArthur Foundation
RO1 HL31611	Biobehavioral Factors Affecting Hypertension in Blacks	Investigator, 5%	9/30/83-9/29/86	NIH NHLBI
	Genetic, Psychological, and Developmental Underpinnings of Hostility	Principal Investigator, 5%	1/1/84-12/31/84 (\$18,930)	MacArthur Foundation
	Workload and Cardiovascular Risk Among Premenopausal Women	Principal Investigator, 5%	1/1/86-12/31/86 (\$6,000)	MacArthur Foundation
RO1/R37 HL38712	CHD Risk, Behavioral Stress, and Reproductive Hormones (MERIT a/o 7/1/90)	Principal Investigator, 25%	7/1/87-6/30/01 (\$456,450)	NIH NHLBI
RO1 HL40962	Biobehavioral Studies of Cardiovascular Disease	Project Director, 10%	3/1/89-2/28/99	NIH NHLBI
	Hemostatic Reactivity to Psychological Stress in Coronary Heart Disease	Co-Principal Investigator, 0%	11/1/90-10/31/91	MacArthur Foundation
RO1 HL44413	Epidemic Hypertension in Nigerian Workers	Co-Investigator, 5%	1/1/91-12/31/93	NIH NHLBI
RO1 MH48299	Ovarian Hormones, Stress, and Immunological Responsiveness	Co-Principal Investigator, 5%	7/1/91-12/31/96 (\$367,194)	NIMH
RO1 HL44436	Effects of Personality and Context on Recovery from CABS	Co-Principal Investigator, 10%	7/1/91-6/30/95	NIH NHLBI
F32 HL008536	Hemostatic Reactivity in Coronary Heart Disease (NRSA)	Sponsor, 0%	9/1/91-8/31/92 (\$33,000)	NIH NHLBI
RO1 HL46328	Effects of Cholesterol Reduction on Behavior	Co-Investigator, 10%	12/1/91-1/31/98	NIH NHLBI
	Examination of Differential Sensitivity to Stress During the Pubertal Period	Co-Investigator, 5%	4/1/92-3/31/94 (\$79,570)	MacArthur Foundation
	Reproductive Transitions in Women	Sponsor, 0%	8/1/92-6/30/94 (\$323,081)	MacArthur Foundation
NO1-WH-3-2112	Vanguard Clinical Center for the Women's Health Initiative	Co-Principal Investigator, 5%	3/15/93-9/14/05 (5% salary support)	NIH
RO1 MH50748	Pathogenesis of Functional Hypothalamic Amenorrhea	Co-Investigator, 5%	9/30/94-8/31/02	NIH NIMH

	Chronic Stress and Aortic Compliance During Stress and Rest in African-American and White Children and Adolescents	Principal Investigator, 0%	6/19/96-12/19/97	MacArthur Foundation
RO1 HL58867-A1	Do Hostility and Stress Predict CV Mortality in MRFIT?	Principal Investigator, 5%	5/1/98-10/31/00 (\$179,038)	NIH NHLBI
MacArthur #NSS 10SC	Chronic Stress and Response to Acute Stressors	Principal Investigator, 0%	11/1/98-10/31/00 (\$49,039)	MacArthur Foundation
P50 HL065112	Understanding Shared Psychobiological Pathways	Center Director, 10%; Project Leader, 5%	9/30/99-8/31/05 (\$8,175,243)	NIH NHLBI
Solvay Pharmaceutical	SES in the Healthy Women Study	Co-Investigator, 0%	1/1/00-12/31/02 (\$4,704)	Solvay Pharmaceutical
MacArthur #NSS 18SC	SES in the Healthy Women Study	Principal Investigator, 5%	1/1/00-12/31/02 (\$47,889)	MacArthur Foundation
RO1 HL065591	Prevalence & Progression of Subclinical Atherosclerosis	Co-Investigator, 5%	9/18/00-7/31/04 (\$259,043)	NIH NHLBI
P50 HL065112-05S1	Understand Shared Psychobiological Pathways: Spirituality Supplement	Principal Investigator, 0%	9/1/02-8/31/05 (\$35,000)	NIH NHLBI
MacArthur #3627sc	Understanding the Influence of SES: Pittsburgh Life Span Development Studies	Principal Investigator, 0%	12/1/03-11/30/05 (\$29,886)	MacArthur Foundation
MacArthur #5198sc	Understanding the Influence of Socioeconomic Status: Pathways across the Life Cycle	Principal Investigator, 2%	1/1/08-12/31/09 (\$26,747)	MacArthur Foundation
RO1 HL076379	Stress, Sleep, and Emerging CVD Risk Factors	Principal Investigator, 10%	8/1/04-6/30/10 (\$2,621,895)	NIH NHLBI
NCE00001-01	Determining the Effects of Temperature and Heat Waves on Mortality and Morbidity in California (SWAN Air Pollution Study)	Principal Investigator, 1%	2/1/10-6/30/10 (\$15,000)	California Institute for Energy & Environment, UC-Berkeley
T15 HL071085	PMBC Summer Institutes	Principal Investigator, 0%	4/1/02-7/31/10 (\$256,608)	NIH NHLBI
MacArthur #6218sc	Socioeconomic Status, Social Interactions, and Demanding Circumstances	Principal Investigator, 2%	4/1/10-12/31/10 (\$10,609)	MacArthur Foundation
RO1 AG19352	SWAN Sleep Study II: Pittsburgh	Co-Principal Investigator, 5%	4/15/02-4/30/11 (\$1,767,045)	NIH, NIA
R24 HL076852	Pittsburgh Mind-Body Center II	Center Director, 10%; Co-Investigator, 5%	9/1/04-6/30/11 (\$3,393,802)	NIH NHLBI
RO1 HL089850-A1	Neural Reactivity to Stress & Atherosclerosis	Co-Investigator, 5%	4/1/08-3/31/12 (\$304,590)	NIH NHLBI

UO1 AG012553 -16S1	SWAN Coordinating Center	Co-Investigator, 5%	9/15/10-4/30/12 (\$34,489)	NIH NIA
RO1 MH059689	Menopause, Depression, and Aging	Co-Investigator, 5%	9/15/01-3/31/12 (\$1,741,255) NCE	NIMH
P50 HL040962	Biobehavioral Studies of Cardiovascular Disease Project 2	Co-Investigator, 10%	9/1/07-6/30/12 (\$43,085)	NIH NHLBI
RO1 HL025767	Development of Psychobiological Risk Factors in Adolescence (originally: Antecedents of the Type A Behavior Pattern)	Principal Investigator, 20%	4/1/80-6/30/13 (\$3,308,377)	NIH NHLBI
RO1 HL028266	Epidemiology of Cardiovascular Risk Factors in Women	Co-Principal Investigator, 7.5%	4/1/83-3/31/13 (\$2,014,590; \$ thru 07)	NIH NHLBI
	Ectopic Cardiovascular Fat, Endogenous Sex Hormones, and Subclinical Atherosclerosis in Women at Midlife	Co-Investigator, 2%	7/1/13-6/30/14	AHA
RO1 HL112646-01	Security and Vigilance in Military Couples: A Dynamic Model of Sleep, Interpersonal Environment	Co-Investigator, 5%	8/8/11-7/31/15 (Yr 01 TC: \$369,087) (NCE)	NIH NHLBI
RO1 AT007262-01	Temporally-Oriented Subjective Well-Being Across Transitions? Resources and Outcomes	Co-Investigator, 3%	9/1/11-6/30/16 (\$175,001)	NIH NCCAM
RO1 HL111802	Early Life Adversity, Sleep, and Cardiovascular Risk in Black and White Men	Principal Investigator, 20%	8/15/12-7/31/15 (\$2,169,039) (NCE)	NIH NHLBI
FHA00008-02	High-Density Lipoprotein Particles in Women Transitioning through Menopause: The HDL-Menopause Study	Co-Investigator, 2%	7/1/15-6/30/17	AHA
RO1 HL105647	Mechanisms Linking Hot Flashes to Cardiovascular Risk	Co-Investigator, 4%	9/1/11-7/31/16 (\$3,257,167) (NCE)	NIH NHLBI
T32 HL007560	Cardiovascular Behavioral Medicine Research Training	Program Director, 10%	7/1/83-8/1/2023 (\$4,327,687)	NIH NHLBI
UO1 AG012546	Study of Women's Health Across the Nation	Principal Investigator, 30%	9/30/94-6/30/19 (NCE) (\$12,374,280)	NIH NIA
RO1 HL122648	Pediatric Depression and Subsequent Cardiac Risk Factors: A Longitudinal Study	Multiple Principal Investigator, 10%	05/18/2015 – 02/28/2019 (NCE) (\$2,579,758)	NIH NHLBI

U19 AG063730	The Study of Women's Health Across the Nation (SWAN): The Impact of Midlife and the Menopause Transition on Health and Functioning in Early Old Age [Core 1, 3; Projects 1, 2]	Co-Investigator, 20%	9/30/2020-07/31/2024	NIH/NIA
R01 HL137246	Examining biomarkers and mechanisms of health disparities in sexual minority women	Co-Investigator, 10%	04/01/2017 – 03/31/2021	NIH NHLBI
R01 AG058690	Compositional and Functional Alterations of HDL Over Ovarian Aging	Co-Investigator, 5%	7/15/2018 - 3/31/2023	NIH NIA
U01 AG017719	SWAN Genomic Analyses and SWAN Legacy	Co-Investigator, 2%	9/1/2018-8/31/2020	NIH NIA

### Seminars and invited lectures related to research: (Representative selection)

1. Weidner G, **Matthews KA**. Perceived physical symptoms elicited by unpredictable events and the Type A coronary-prone behavior pattern. Midwestern Psychological Association, Chicago, May 1978
2. **Matthews KA**. Type A behavior as a useful behavioral construct for behavioral medicine. Academy of Behavioral Medicine Research, Charlottesville, VA, June 1980
3. **Matthews KA**, Cottington E, Talbott E. Environmental events preceding sudden death in women. American Psychological Association, Montreal, September 1980
4. **Matthews KA**. Assessment issues in coronary-prone behavior. German Conference on Coronary-Prone Behavior: Biological Bases of Coronary-Prone Behavior, Altenberg, West Germany, June 1981
5. **Matthews KA**. Developmental aspects of the Type A coronary-prone behavior pattern. Third National Conference on Emotional Stress and Cardiovascular Disease, Myrtle Beach, SC, April 30-May 2, 1982
6. **Matthews KA**. Role of psychology in understanding disease-proneness: A case study of Type A behavior. Georgia Psi Chi Conference Keynote Address, University of Georgia, Athens, GA, May 1983
7. **Matthews KA**. Familial origins of the Type A (coronary-prone) behavior pattern. American Association for the Advancement of Science, Detroit, MI, May 1983
8. **Matthews KA**. Assessment of Type A, anger, and hostility. NIH Conference on Measures of Psychosocial Variables in Epidemiologic Studies, Galveston, TX, December 1983
9. **Matthews KA**. Origins of the Type A behavior pattern. University of Miami Conference on Stress, Miami, FL, February 1984
10. **Matthews KA**, Stoney CM, McCann BS, Manuck SB. Sex and adult/child differences in blood

pressure responses to behavioral stress. American Psychosomatic Society, Baltimore, MD, March 1986

11. **Matthews KA.** Is reactivity a risk factor for hypertension? National Conference on High Blood Pressure Control, Las Vegas, NV, April 1987
12. **Matthews KA.** Gender differences in cardiovascular responses to stress: When? Why? So what? University of Stockholm/Karolinska Institute, Stockholm, Sweden, May 1992
13. **Matthews KA, Everson S.** The effects of menopause on women's health. Second International Congress of Behavioral Medicine, Hamburg, Germany, July 1992
14. **Matthews KA.** Turning points: Menopause, behavior, and cardiovascular disease. Third International Congress of Behavioral Medicine, Amsterdam, The Netherlands, July 1994
15. **Matthews KA.** Gender differences in cardiovascular disease: Patterns, predictors, and policy. William Bevan Invited Address, American Psychological Association, Chicago, August 1997
16. **Matthews KA.** Health matters for women. Keynote Speaker, Society of Behavioral Medicine, San Diego, March 1999
17. **Matthews KA, Kuller LH, Sutton-Tyrrell K, Edmundowicz D.** Lipid changes during the peri- and post-menopause and subclinical cardiovascular disease. Invited Address, 9th International Menopause Society World Congress on Menopause, Yokohama, Japan, October 1999
18. **Matthews KA.** Behavior, socioeconomic context, and cardiovascular disease: A lifespan approach. Master Lecture, American Psychological Association, San Francisco, August 24, 2001
19. **Matthews KA.** Development of behavioral risk factors for cardiovascular disease. Center for Society and Health Symposium, Harvard University, Boston, MA, November 12, 2002
20. **Matthews KA, Bromberger JT, Sutton-Tyrrell K, Kuller LH, Gold E, SWAN Investigators.** Hot stuff about the menopause. Menses meeting, Pittsburgh, June 6, 2003
21. **Matthews KA.** Getting to the heart of the matter: Origins of cardiovascular risk. European Health Psychological Society, Helsinki, Finland, Keynote Speaker, June 22, 2004
22. **Matthews KA.** Getting to the heart of the matter: Origins of cardiovascular risk. President's Award Lecture, American Psychosomatic Society, Vancouver, March 3, 2005
23. **Matthews KA, Bromberger JT.** Does the menopausal transition impact health-related quality of life? National Institute of Health State-of-the-Science Conference on Management of Menopause-related Symptoms, Bethesda, MD, March 21, 2005
24. **Matthews KA.** Getting to the heart of the matter: Psychobiological origins. Walker-Ames Lecture, University of Washington, Seattle, WA, April 1, 2008
25. **Matthews KA.** Getting to the heart of the matter: Psychobiological origins of cardiovascular disease. 35th Annual Thomas Francis, Jr. Memorial Lecture, University of Michigan, January 28, 2009
26. **Matthews KA.** Women's coronary heart disease, menopause, and depression: Lessons from The Study of Women's Health Across the Nation. Albert Alden Lecture, Duke University, March 1, 2012
27. **Matthews KA.** Childhood Roots of Disparities in Cardiovascular Disease in Adulthood: A



Multidisciplinary Perspective. Distinguished Lecture, Institute for Health Research and Policy, University of Illinois, Chicago, November 7, 2012

28. **Matthews KA.** Biological Pathways of Inequalities in Child Health. Bronfenbrenner Lecture. INRICH Annual Workshop, Cornell University, Ithaca, NY, June 15, 2017.
29. **Matthews KA.** Interpersonal Factors and Risk for Cardiovascular Disease. Keynote Address, Society for Interpersonal Theory and Research, Pittsburgh, PA, July 28, 2017.

Colloquia presented at the following institutions:

University of Kansas, University of Miami, University of Minnesota, University of North Carolina, Mailman Center, Uniformed Services University of the Health Sciences, University of Delaware, University of California-Los Angeles, Karolinska Institute, University of Michigan, University of Georgia, University of Pennsylvania, State University of New York-Buffalo, University of Utah, State University of New York-Albany, University of Washington-Seattle, University of Virginia, Columbia University, University of British Columbia, Duke University, University of Alabama-Birmingham, University of Colorado-Boulder, McGill University, Rockefeller University, Rush-St. Luke's Presbyterian University, State University of New York-Stony Brook, Legacy Portland Hospitals-Portland, OR, University of Texas-Austin, Oregon Research Institute (Eugene, OR), Harvard University, Kent State University, Concordia University

**Other research related activities:**

Ad hoc reviewer for Journal of Personality, Journal of Research in Personality, Journal of Behavioral Medicine, Journal of Personality and Social Psychology, Psychosomatic Medicine, Child Development, Personality and Social Psychology Bulletin, Science, American Journal of Cardiology, New England Journal of Medicine, Maturitas, Hypertension, Obstetrics and Gynecology, National Science Foundation, National Academy of Science, National Institute of Mental Health, National Heart, Lung, and Blood Institute

Consulting Editor, Journal of Behavioral Medicine Abstracts, Psychosomatic Medicine

Editorial Board, Journal of Personality, Journal of Applied Social Psychology, Menopause, Sleep Health

Associate Editor, Emotion Review, 2007 – 2012

Associate Editor, American Psychologist, 2005-present

Associate Editor, Health Psychology, 1984-1987

Editor-Elect, Health Psychology, 1989

Editor-in-Chief, Health Psychology, 1990-1994

Associate Editor, Women's Health: Research on Gender, Behavior, and Policy, 1994-1998

Member of Behavioral Medicine/NHLBI consultant to team to SCOR-A sites

Member of Program Committee for Division 38, Health Psychology, American Psychological Association, 1980, 1981, 1983

Delegate to National Conference on Training in Health Psychology, Arden House, NY, 1983

Chair of Nominations and Elections Committee, Division 38, Health Psychology, 1983

Member of Program Committee, American Psychosomatic Society, 1983

Ad hoc member of planning committee for American Heart Association 1984 Conference on Behavioral Medicine and Cardiovascular Disease

Member of Publication Committee, Society of Behavioral Medicine, 1984

Co-Organizer of NHLBI/University of Pittsburgh Stress, Reactivity, and Cardiovascular Disease Conference in Oglebay Park, WV, April 1984

Member of Council, American Psychosomatic Society, 1984-1986

Ad hoc member, Clinical Applications and Prevention Advisory Council, National Heart, Lung, and Blood Institute, 1984, 1986

Co-Organizer of Epidemiology Department, University of Pittsburgh Conference on Epidemiologic Perspectives in Women's Health, October 1985

Program Co-Chair for Division 38, Health Psychology, American Psychological Association, 1982, 1987

President of Division 38, Health Psychology, American Psychological Association, 1987 -1988

Delegate to National Working Conference on Research in Health and Behavior, Harper's Ferry, WV, 1988

Member, Clinical Applications and Prevention Advisory Council, National Heart, Lung, and Blood Institute, 1987-1991

President of American Psychosomatic Society, 1990-1991

Working Group Co-Chair, NIH Conference on Status of Cardiovascular Health and Disease in Women: Health Promotion and Disease Prevention/Optimal Disease Recognition and Management, 1992

Member, Executive Committee, MacArthur Foundation Network on Health-Damaging and Health-Promoting Behavior - review research proposals and organize conferences, 1983-1988; 1990-1993

Member, Asymptomatic Cardiac Ischemia Pilot Data Safety and Monitoring Board, National Heart, Lung, and Blood Institute, 1991-1993

Member, Psychophysiological Investigations of Myocardial Ischemia Data Safety and Monitoring Board, National Heart, Lung, and Blood Institute, 1991-1993

Co-Chair, National Working Conference on Research Frontiers in Behavioral Medicine, NIH Health and Behavior Coordinating Committee and National Institute of Mental Health, 1993

Co-Chair, Executive Committee, Women's Health Initiative, National Institutes of Health, 1993-1995

Chair, Behavioral Subcommittee, Women's Health Initiative, National Institutes of Health, 1993-1995

Member, SES and Health Planning Initiative of the John D. and Catherine T. MacArthur Foundation, 1994-1996

Member, National Heart, Lung, and Blood Institute Advisory Council of National Institutes of Health, 1994-1997

Member, National Heart, Lung, and Blood Institute Behavioral Medicine Task Force, 1996-1997

Member of North American Advisory Board for CME Monograph on Postmenopausal Health Curriculum, Pragmaton, 1997

Chair, Search Committee for Editor of Health Psychology, Division 38, Health Psychology, American Psychological Association, 1998

Member, John D. And Catherine T. MacArthur Foundation Research Program on Socioeconomic Status and Health, 1997-present

Member, National Heart, Lung, and Blood Institute Council Working Group on Epidemiology, 1998  
Member, Committee for Emerging Science, CARDIA, 1998-present

Member, Center for Scientific Review Advisory Committee, National Institutes of Health, 1998-2003

Chair, Center for Scientific Review Advisory Committee, National Institutes of Health, 2000-2003

Member, National Heart, Lung, and Blood Institute Working Group on Early Life Influences on Health, 1999

External Reviewer, Institute of Medicine, Report on Health and Behavior: Research, Practice, and Policy, 2000

Guest Editor, International Journal of Behavioral Medicine, Special Issue on Women's Health, 2001

Member, American Heart Association Strategic Research Directions Task Force, 2001

Member, Board on Neuroscience and Behavioral Health, Institute of Medicine, 2001-2004

Member, Board of External Advisors, National, Heart, Lung, and Blood Institute, 2002-2006

Member, Health Psychology, Division 38, Editor Selection Committee, American Psychological Association, 2003-2004

Member, Center for Scientific Review, Director Search Committee, National Institutes of Health, 2004

Chair, Nominations Committee, Division 38, Health Psychology, American Psychological Association, 2007

Chair, Awards Committee, Society of Behavioral Medicine, 2007-2009

Chair, Data Safety Monitoring Board for MsFlash Clinical Trials Network, NIA, NIH, 2009-present

Member, Institute of Medicine working group on "Capturing Social and Behavioral Domains and Measures in Electronic Health Records", 2013-2014

Member, Awards Committee, American Psychological Association, 2015-17

Founding Member, Behavioral Medicine Research Council, 2018-2020

**CURRENT RESEARCH INTERESTS:** Cardiovascular risk factors, women's health, life course epidemiology

**SERVICE:**

**University and Medical School**

At Kansas State University: Committees on subject pool; evaluation of graduate students; women's studies; departmental recruitment; and University-wide human use committee

At University of Pittsburgh:

Department of Psychiatry: Behavioral Medicine Study Group chairperson; Behavioral Medicine Colloquia Series organizer; Committee on Academic Promotions and Tenure, member and Chair; Research Committee; Training Grant Review Committee; and Director of Psychiatric Residency Training Program Search Committee; Clinician-Educator Faculty Development Program Advisory Committee, member and Chair; Center for Families and Children, Board Member.

Other Departments: Clinical Psychology Faculty Search Committee; Psychiatric Epidemiology Faculty Search Committee, Health Services Faculty Search Committee, Committee on Awards (CoA): Health Sciences, Chair of Epidemiology Department Search Committee.

School of Medicine: Academic Promotions Committee (nontenure stream), member; Academic Promotions Committee (tenure stream), member; Psychiatry Department Chair Search Committee, member; Executive Committee of the Faculty, member.

### **Community Activities**

Lectures through Continuing Education Conference Series, Western Psychiatric Institute and Clinic

Women's Center and Shelter, member of Evaluation Committee, Long-term Planning Committee, former hotline advocate.