#  CURRICULUM VITAE

 **BIOGRAPHICAL**

**Name:** Karen A. Matthews

**Home Address:** 704 Robinhood Road **Home Phone:** 412-963-0321

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**Citizenship:** United States **E-Mail Address:** matthewska@upmc.edu

**Business Address:** Department of Psychiatry

University of Pittsburgh

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 **EDUCATION and TRAINING**

**UNDERGRADUATE:**

1964-1966 Foothill Junior College, A.A. Psychology

Los Altos, CA 1966

1966-1968 University of California A.B. Psychology

at Berkeley, Berkeley, CA 1968

**GRADUATE:**

1970-1971 California State University at San Jose M.A. Psychology

San Jose, CA 1971

1972-1976 University of Texas at Austin Ph.D. Psychology

Austin, TX 1976

 **APPOINTMENTS AND POSITIONS**

**ACADEMIC:**

1973 University of Texas at Austin Instructor

Department of Psychology

Austin, TX

1974-1975 University of Texas at Austin Research Associate

Department of Psychology David C. Glass, Supervisor

Austin, TX

1976-1978 Kansas State University Assistant Professor

Department of Psychology

Manhattan, KS

1977-1978 Institute of Environmental Research Research Associate

Kansas State University

Manhattan, KS

1979-1983 University of Pittsburgh Assistant Professor

Departments of Psychiatry, Epidemiology,

and Psychology, Pittsburgh, PA

1983-1989 University of Pittsburgh Associate Professor

Departments of Psychiatry, Epidemiology,

and Psychology, Pittsburgh, PA

1983-present Cardiovascular Behavioral Medicine Research Director

Training Program, University of Pittsburgh

Pittsburgh, PA

December 1985 Awarding of Tenure, Department of Psychiatry,

University of Pittsburgh, Pittsburgh, PA

1989-present University of Pittsburgh Professor

Departments of Psychiatry and Epidemiology

Pittsburgh, PA

1990-present University of Pittsburgh Professor

Department of Psychology

Pittsburgh, PA

1999-2010 The Pittsburgh Mind-Body Center Director

University of Pittsburgh and

Carnegie Mellon University

Pittsburgh, PA

2009-present University of Pittsburgh Professor

 Clinical and Translational Science Institute

 Pittsburgh, PA

2009-present University of Pittsburgh Distinguished Professor

 Department of Psychiatry

 Pittsburgh, PA

 **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

 **HONORS**

American Heart Association Established Investigatorship 1980-1985

Research Career Development Award, National Heart, Lung, and Blood Institute, 1980

offered and declined

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, 1983

Division 38, American Psychological Association

Scientist-at-Large in MacArthur Foundation Network on Health-Promoting 1983-1988;

and Health-Damaging Behavior 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, Health Psychology 1990-1994

MERIT Award (Method to Extend Research in Time), 1990-2001

National Heart, Lung, and Blood Institute

President of American Psychosomatic Society 1990-1991

Award for Distinguished Contributions to Health Psychology, 1992

Division 38, American Psychological Association

One of 50 Highest Impact Authors in Psychology Based on Citations/ 1992

Number of Publications from 1986-1990, Institute for Scientific Information

Most Frequently Cited Author in Health Psychology, 1982-1991 1992

Citation Classic Recognition from Current Contents: 1992

Understanding a Psychological Risk Factor for Coronary Disease

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 2001

Department of Psychology, University of Texas at Austin

Master Lecturer, American Psychological Association, San Francisco, CA 2001

Member, Institute 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 2005

of Psychology

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 2010

(Invited Lecture in honor of ORI’s 50th anniversary)

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

American Psychosomatic Society Patricia R. Barchas Award 2013

James McKeen Cattell Lifetime Achievement Award for Applied Research, 2013

Association of Psychological Science

 **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 S C 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, Cottington 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, Cottington 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. Cottington 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**, Cottington 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 apoliprotein 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 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.
123. Ickovics JR, Morrill, A, Meisler A, Rodin J, Bromberger JT, **Matthews KA**. Employment and coronary risk in women at midlife: a longitudinal analysis. Am J Epidemiol. 143:144-50, 1996.
124. Bromberger JT, **Matthews KA**. A "feminine" model of vulnerability to depressive symptoms: a longitudinal investigation of middle-aged women. J Pers Soc Psychol. 70:591-8, 1996.
125. **Matthews KA**, Kuller LH, Wing RR, Meilahn EN, Plantinga P. Prior to use of estrogen replacement therapy, are users healthier than nonusers? Am J Epidemiol. 143:971-8, 1996.
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*Erratum*: Psychosom Med 72:331, 2010.

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**Reviews, Invited Published Papers, Proceedings of Conferences and Symposia, Monographs, Books and Book Chapters**

* 1. **Matthews KA**. Assessment and developmental antecedents of the coronary-prone behavior pattern in children. In: Dembroski TM, Weiss SM, Shields JL, Haynes SG, Feinleib M, editors. Coronary-prone behavior. New York: Springer-Verlag; 1978. p. 207-17.
	2. Cohen JB, **Matthews KA**, Waldron I. Section summary: Coronary-prone behavior: developmental and cultural considerations. In: Dembroski TM, Weiss SM, Shields JL, Haynes SG, Feinleib M, editors. Coronary-prone behavior. New York: Springer-Verlag; 1978. p. 183-90.
	3. **Matthews KA**. "At a relatively early age...the habit of working the machine to its maximum capacity": Antecedents of the Type A coronary-prone behavior pattern. In: Brehm SS, Kassin SM, Gibbons FX, editors. Developmental social psychology. New York: Oxford University Press; 1981. p. 215-31.
	4. **Matthews KA**, Glass DC. Type A behavior, stressful life events, and coronary heart disease. In: Dohrenwend BP, Dohrenwend BS, editors. Stressful life events and their contexts. New York: Prodist; 1981. p. 167-85.
	5. **Matthews KA**, Siegel JM. The Type A behavior pattern in children and adolescents: Assessment, development, and associated coronary risk. In: Baum A, Singer J, editors. Handbook of psychology and health. Vol. 2. Hillsdale (NJ): Lawrence Erlbaum Associates; 1982. p. 99-116.
	6. **Matthews KA**, Carver CS, Scheier MF. Focus of attention and awareness of bodily sensations. In: Underwood G, editor. Aspects of consciousness. Vol. 3. London: Academic Press; 1982. p. 166-97.
	7. Scheier MF, Carver CS, **Matthews KA**. Attentional factors in the perception of bodily stress. In: Cacioppo J, Petty R, editors. Social psychophysiology. New York: Guilford Press; 1983. p. 179-92.
	8. **Matthews** **KA**. Assessment issues in coronary-prone behavior. In: Dembroski T, Schmidt T, Blumchen G, editors. Biobehavioral bases of coronary heart disease. Basel (Switzerland): Karger; 1983. p. 62-78.
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	11. Weiss SM, **Matthews KA**, Detre T, Graeff JA, editors. Stress, reactivity, and cardiovascular disease: proceedings of the working conference. 1984 April 7-10. Bethesda (MD): National Institutes of Health; 1984. 412 p. (NIH Publication No. 84-2698).
	12. **Matthews KA**, Weiss SM, Detre T. Status of and prospects for stress, reactivity, and cardiovascular disease: themes from the NHLBI-University of Pittsburgh Working Conference. Behav Med Updates. 6:7-9, 1984.
	13. **Matthews KA**. Assessment of Type A, anger, and hostility in epidemiological studies of cardiovascular disease. In: Ostfeld A, Eaker E, editors. Proceedings of the NHLBI workshop on measuring psychosocial variables in epidemiologic studies of cardiovascular disease. 1983 Dec 11-14. Bethesda (MD): National Institutes of Health; 1985. p. 153-84. (NIH Publication No. 85-2270).
	14. **Matthews KA**, Jamison W, Cottington EM. Assessment of Type A, anger, and hostility: A review of measures through 1982. In: Ostfeld A, Eaker E, editors. Proceedings of the NHLBI workshop on measuring psychosocial variables in epidemiologic studies of cardiovascular disease. 1983 Dec 11-14. Bethesda (MD): National Institutes of Health; 1985. p. 207-312. (NIH Publication No. 85-2270).
	15. **Matthews KA**, Weiss SM, Detre T, Dembroski TM, Falkner B, Manuck SB, Williams RB, editors. Handbook of stress, reactivity, and cardiovascular disease. New York: Wiley; 1986. 527 p.
	16. **Matthews KA**, Rakaczky CJ. Familial aspects of the Type A behavior pattern and physiologic reactivity to stress. In: Dembroski T, Schmidt T, Blumchen G, editors. Biological and psychological factors in cardiovascular disease. Berlin (Germany): Springer-Verlag; 1986. p. 228-45.
	17. Saab PG, **Matthews KA**. Type A behavior: emergence, development, and implications for children. In: Wolraich ML, Routh D, editors. Advances in developmental and behavioral pediatrics. Greenwich (CT): JAI Press; 1986. p. 126-140.
	18. **Matthews KA**, Siegel JM. Training health psychologists in schools of public health. In: Stone GC, Weiss SM, Matarazzo JD, Miller NE, Rodin J, Belar CD, Follick MJ, Singer JE, editors. Health psychology: a discipline and a profession. Chicago: University of Chicago Press; 1987. p. 481-91.
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	30. **Matthews KA**. Are sociodemographic variables markers for psychological determinants of health? Health Psychol. 8:641-8, 1989.
	31. **Matthews KA**, Bromberger J, Egeland G. Behavioral antecedents and consequences of the menopause. In: Korenman SG, editor. The menopause. Norwell (MA): Serono Symposia USA; 1990. p. 1-15.
	32. Kuller LH, Meilahn EN, Gutai J, Cauley J, Wing RR, **Matthews KA**, Eichner JE, Egeland G. Lipoproteins, estrogens, and the menopause. In: Korenman SG, editor. The menopause. Norwell (MA): Serono Symposia USA; 1990. p. 43-57.
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	39. Adler N, **Matthews KA**. Health psychology: Why do some people get sick and some stay well? Ann Rev Psychol. 45:229-59, 1994.
	40. **Matthews KA**, Kuller LH, Wing RR, Meilahn EN. Biobehavioral aspects of menopause: Lessons from the Healthy Women Study. Exp Gerontol. 29:337-42, 1994.
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	42. **Matthews KA**. Reproductive hormones, stress and cardiovascular reactivity in women. In: Czajkowski SM, Hill DR, Clarkson TB, editors. Women, behavior, and cardiovascular disease. Proceedings of a conference sponsored by the National Heart, Lung, and Blood Institute. Bethesda (MD): National Institutes of Health; 1994. p. 145-152. (NIH Publication No. 94-3309)
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1. **Matthews KA**. Reproductive hormones, stress and cardiovascular reactivity in women. In: Women, behavior and cardiovascular disease. Proceedings of a Conference Sponsored by the National Heart, Lung, and Blood Institute. Bethesda (MD): National Institutes of Health; 1994. 388 p. (NIH Publication No. 94-3309)
2. Blumenthal SJ, **Matthews KA**, Weiss SM, editors. New research frontiers in behavioral medicine: proceedings of the national conference. Washington, DC: U.S. Government Printing Office; 1994. 260 p. (NIH Publication No. 94-3772)
3. **Matthews KA**. Conference promises. In: Blumenthal SJ, **Matthews KA**, Weiss SM, editors. New research frontiers in behavioral medicine: proceedings of the national conference. Washington, DC: U.S. Government Printing Office; 1994. p. 17-9. (NIH Publication 94-3772)
4. Meilahn EN, Kuller LH, Wing RR, **Matthews KA**, Nowalk MP. Menopausal changes in lipids and weight -- relationship to diet. In: Progress in obesity research 1994. London: Libbey Publishers; 1996. p. 419-22.
5. Kuller LH, Meilahn EN, Lassila H, **Matthews KA**, Wing R. Cardiovascular risk factors during first five years postmenopause in nonhormone replacement therapy users. In: Forte TM, editor. Hormonal, metabolic, and cellular influences on cardiovascular disease in women. Armonk (NY): Futura Publishing Company; 1997. p. 273-87.
6. **Matthews KA**, Cauley J. Menopause and mid-life changes. In: Hazzard WR, Blass JP, Ettinger WH Jr, Halter JB, Ouslander JG, editors. Principles of geriatric medicine and gerontology. 4th ed. New York: McGraw-Hill, Inc.; 1999. p. 179-89.
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8. Chen E, **Matthews KA**. Socioeconomic differences in social information processing and cardiovascular reactivity. Ann NY Acad Sci 896:417-9, 1999.
9. **Matthews KA**. A behavioral medicine perspective on aging and health. In: Qualls SH, Abeles N, editors. Psychology and the aging revolution. Washington, DC: American Psychological Association; 2000. p. 197-205.
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11. **Matthews KA**, Wing RR, Kuller LH, Meilahn EN, Owens JF. Menopause as a turning point in midlife. In: Manuck SB, Baum A, editors. Behavior, health, and aging. Mahwah (NJ): Lawrence Erlbaum Associates; 2000. p. 43-57.
12. Sowers MF, Crawford S, Sternfeld B, Morganstein D, Gold E, Greendale G, Evans D, Neer R, **Matthews KA**, Sherman S, Lo A, Weiss G, Kelsey J. SWAN: A multi-center, multi-ethnic, community-based cohort study of women and the menopausal transition. In: Lobo R, Marcus R, Kelsey J, editors. Menopause. New York: Academic Press; 2000. p. 175-88.
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16. Olson M, Kelsey S, Shaw L, Mankad S, Cornell C, **Matthews KA**, McGorray S, Bairey Merz CN. Hormone replacement therapy, ethnicity, and psychological health in women: results from the NHLBI-sponsored WISE study. Eur Heart J. 4:259, 2003. (Abstract)
17. Gianaros PJ, Salomon K, Zhou F, Edmundowicz D, Kuller LH, **Matthews KA**. Stress-induced suppression of high-frequency heart rate variability predicts coronary and aortic calcification in healthy postmenopausal women. Psychophysiology. 41:S98, 2004. (Abstract)
18. **Matthews KA**. Psychological perspectives on the development of coronary heart disease. Am Psychol. 60:783-96, 2005.
19. **Matthews KA**, Hall M, Kamarck T, Owens J, Buysse D., Strollo P. Blood pressure dipping status and sleep quality. Psychosom Med. 68:A-12, 2006. (Abstract #1246)
20. Owens JF, **Matthews KA**, Hall M, Buysse D, Kamarck TW, Reis S. Are self-reported measures of sleep quantity and quality good markers of sleep as measured by polysomnography? Psychosom Med. 68:A-105, 2006. (Abstract #1556)
21. **Matthews KA**, Gold EB, Hall M, Kravitz HM, Sowers M, Bromberger JT, Buysse DJ, Owens JF. Associations of race and socioeconomic status with sleep quality and duration: results from the SWAN Sleep Study. Sleep. 20:A109, 2006. (Abstract)
22. Hall M, Sowers MF, Gold E, **Matthews KA**, Kravitz HM. Stress and depressive symptomatology are correlates of disturbed sleep in mid-life women: results from the SWAN Sleep Study. Sleep. 20:A113, 2006. (Abstract)
23. Hall M, Sowers M, Owens J, **Matthews K**, Kravitz H, Gold E, Feinberg I, Bromberger J, Buysse D, Sanders M. Sleep and the metabolic syndrome in mid-life women. Sleep. 30:A116, 2007. (Abstract)
24. Mezick EJ, **Matthews KA**, Hall M, Kamarck TW, Owens JF, Buysse DJ, Strollo PJ, Reis SE. Positive and negative psychological attributes are associated with blood pressure dipping. Psychosom Med. 70(3):A20, 2008. (Abstract)
25. **Matthews KA**, Mezick EJ, Hall M, Kamarck TW, Owens JF, Buysse DJ, Strollo PJ, Reis SE. Sleep as a potential pathway connecting socioeconomic status and cardiovascular diseases. Psychosom Med. 70(3): A11, 2008. (Abstract)
26. Owens JF, **Matthews KA**, Hall M, Kamarck TW, Mezick EJ, Buysse DJ, Strollo PJ, Reis SE. Daytime napping, stress, sleep, and obesity: The Sleep SCORE Study. Psychosom Med. 70(3):A77, 2008. (Abstract)
27. Buysse DJ, Hall M, Strollo PJ, Owens JF, Lee L, Reis S, **Matthews K**. Are the Pittsburgh Sleep Quality Index (PSQI) and the Epworth Sleepiness Scale (ESS) related? Findings from a community sample. Sleep. 31:A331, 2008. (Abstract)
28. Hall M, **Matthews K**, Mulukutula S, Buysse D, Strollo P, Kamarck T, Owens J, Reis S. Heart Rate variability during sleep: the Sleep SCORE Study. Sleep. 31:A102, 2008. (Abstract)
29. Troxel WM, Buysse DJ, Hall M, Kamarck T, Strollo PJ, Owens JF, Reis SE, **Matthews KA**: Social isolation, blood pressure dipping, and nocturnal pathways in African American and Caucasian men and women. Psychosom Med. 71:A Abstract, 2009.
30. 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.
31. Mezick EJ, **Matthews KA**, Hall M, Kamarck TW, Owens JF, Buysse DJ, Strollo PJ: Within person variability in actigraphy measures of sleep across nine nights is associated with stressful life events and poor subjective sleep quality. Psychosom Med. 71:A Abstract, 2009.
32. Cohen S, Janicki-Deverts D, Chen E, **Matthews KA**: Childhood socioeconomic status and adult health. Ann NY Acad Sci 1186:37-55, 2010. DOI: 10.1111/j.1749-6632.2009.05334.x
33. **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
34. Mezick EJ, Hall M, **Matthews KA**. Are sleep and depression independent or overlapping risk factors for cardiometabolic disease? Sleep Med Rev. 15:51-63, 2011. PMCID: PMC2928398
35. 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.
36. **Matthews KA**, Gallo LC. Psychological perspectives on pathways linking socioeconomic status and physical health. Annu Rev Psychol. 62:501-30, 2011. PMID: 20636127
37. **Matthews KA**. Matters of the heart: Advancing psychological perspectives on cardiovascular diseases. Perspect Psychol Sci. In press.

**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.

1. **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**, Daviglus 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, Daviglus 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 Pouwer 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. PMCID: PMC2907745

**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

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| **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 |  |
| Kelly F. Harris | Jason B. Lassner | Janine D. Flory |  |
| Wendy M. Troxel | Annette Rexroad | Stephen M. Patterson |  |
| Edie M. Goldbacher | Melissa Hagan | Brooks B. Gump |  |
| Jennifer J. McGrath | Sonya S. Brady | Max Guyll |  |
| 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 |  |
|  | Carolyn J. Gibson | John M. Ruiz |  |
|  |  |  |  |
| Post-Baccalaureate Students | Medical Student Research |
| Shannon Chiles |  | Louis Tripoli |  |
|  |  | Eric Wald |  |
|  |  | Alexandra Clark |  |

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| **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. |  |

**RESEARCH:**

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| **Current Grant Support:** |
| *Grant Number* | *Grant Title* | *Role in Project and Percentage of Effort* | *Years**Inclusive**(TC 1998-present)* | *Source* |
| RO1HL025767 | 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 |
| T32 HL007560 | Cardiovascular Behavioral Medicine Research Training | Program Director, 10% | 7/1/83-6/30/13($4,327,687) | NIH NHLBI |
| UO1 AG012546 | Study of Women’s Health Across the Nation (originally: Menopausal Transition in African-American & White Women) | Principal Investigator,20% | 9/30/94-4/30/14($9,583,840) | NIH NIA |
| P50 HL040962 | Biobehavioral Studies of Cardi-ovascular Disease Project 2 | Co-Investigator,10% | 9/1/07-6/30/12($43,085) | NIH NHLBI |
| RO1HL112646-01 | 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) | NIH NHLBI |
| RO1AT007262-01 | Temporally-Oriented Subjective Well-Being Across Transitions?Resources and Outcomes  | Co-Investigator, 3% | 9/1/11-6/30/16($175,001) | NIH NCCAM |
| RO1HL105647-A1 | Mechanisms Linking Hot Flashes to Cardiovascular Risk | Co-Investigator, 10% | 9/1/11-7/31/16($3,257,167) | NIH NHLBI |
| R01 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) | NIH NHLBI |
| **Prior Grant Support:** |
|  | 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 |
| R01 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) | MacArthurFoundation |
| P50 HL065112 | Understanding Shared Psychobiological Pathways | Center Director,10%;Project Leader, 5% | 9/30/99-8/31/05($8,175,243) | NIH NHLBI |
| Solvay Pharma-ceutical | SES in the Healthy Women Study | Co-Investigator,0% | 1/1/00-12/31/02($4,704) | SolvayPharmaceuti-cal |
| MacArthur#NSS 18SC | SES in the Healthy Women Study | Principal Investigator,5% | 1/1/00-12/31/02($47,889) | MacArthur Foundation |
| R01 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 |
| R24HL076852 | 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 |

**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 Illinios, Chicago, November 7, 2012

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

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

**CURRENT RESEARCH INTERESTS:** Cardiovascular risk factors, Women’s health

**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: Behavioral Medicine Study Group chairperson; Behavioral Medicine Colloquia Series organizer; Committee on Academic Promotions and Tenure; WPIC Research Committee; WPIC Training Grant Review Committee; Director of Psychiatric Residency Training Program Search Committee; 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, Chair of Academic Promotions Committee for Department of Psychiatry, Member of Psychiatry Department Chair Search Committee

**Community Activities**

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

Member of Advisory Board, Claude D. Pepper Older Americans Independence Center, Yale University, 1994