

Curriculum Vitae

HURWITZ, Barry Elliot

1. Date: 12/14/2010

PERSONAL

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5. Current Academic Rank: Professor
6. Primary Department: Department of Psychology
7. Secondary Appointments: a) School of Medicine
b) Department of Biomedical Engineering
8. Citizenship: United States

HIGHER EDUCATION

9. Institutional (institution, degree awarded, date conferred, program of study)

University of Florida	Ph.D.	1984	Physiological Psychology
Ohio University	M.S.	1980	Experimental Psychology
University of Toronto	B.Sc.	1978	Psychology & Zoology

EXPERIENCE

10a. Academic (institution; rank/status; dates)

University of Miami	Professor of Medicine	2003-present
University of Miami	Professor of Psychology & Biomedical Engineering	2000-present
University of Miami	Associate Professor of Psychology & Biomedical Engineering	1995-2000
University of Miami	Assistant Professor of Psychology & Biomedical Engineering	1993-1995
University of Miami	Graduate Faculty	1989-present
University of Miami	Research Assistant Professor of Psychology	1989-1993
University of Miami	Research Associate	July-Oct., 1989
University of Miami	Post-doctoral Research Fellow	1984-1989
University of Florida	Graduate Research Assistant	1980-1984

10b. Other (institution; rank/status; dates)

Journal of CardioMetabolic Syndrome	Associate Editor	2008-present
Behavioral Medicine Research Center	Associate Director	2007-present
International Diabetes Monitor	Associate Editor	2006-present
Graduate Faculty, University of Miami	member	1989-present

PUBLICATIONS

11. Books and monographs published

Hurwitz, B.E. (1993). Special issue: Impedance Cardiography. *Biological Psychology*. 36, 1-138. (guest editor)

12. Juried or refereed journal articles

- Hurwitz, B.E.** (2010). The Longitudinal Predictive Validity of Metabolic Syndrome. *International Diabetes Monitor*. 22(1), 29-35.
- Fletcher, M.A., Rosenthal, M., Antoni, M., Ironson, G., Zeng, X.R., Barnes, Z., Harvey, J., **Hurwitz, B.E.**, Levis, S., Broderick, G., Klimas, N.G. (2010). Plasma Neuropeptide Y: a biomarker for symptom severity in Chronic Fatigue Syndrome. *The Behavioral and Brain Functions*. 6, 76(1-9). [[www.behavioralandbrainfunctions.com/content/ 6/1/76](http://www.behavioralandbrainfunctions.com/content/6/1/76)]
- Fletcher, M.A., Zeng, X.R., Maher, K., Levis, S., **Hurwitz, B.E.**, Antoni, M., Broderick, G., Klimas, N.G. (2010). Biomarkers in chronic fatigue syndrome: evaluation of natural killer cell function and dipeptidyl peptidase IV/CD26. *PLoS One*. 5(5), e10817.
- Hurwitz, B.E.**, Coryell, V.T., Parker, M., Martin, P., LaPerriere, A., Klimas, N.G., Sfakianakis, G.N., Bilsker, M.S. (2009). Chronic Fatigue Syndrome: Illness Severity, Sedentary Lifestyle, Blood Volume and Evidence of Diminished Cardiac Function. *Clinical Science*. 118(2), 125-135.
- Hurwitz, B.E.**, Henry, N., Goldberg, R.B. (2009). Long-term Oral Contraceptive Treatment, Metabolic Syndrome and Measures of Cardiovascular Risk in Pre-menopausal Women: National Health and Nutrition Examination Survey 1999-2004. *Gynecological Endocrinology*. 25(7), 441-449.
- Klaus, J.R., **Hurwitz, B.E.**, Llabre, M.M., Skyler, J.S., Goldberg, R.B., Marks, J.B., Bilsker, M.S, Schneiderman, N. (2009). Central Obesity and Insulin Resistance in Cardiometabolic Syndrome: Pathways to preclinical cardiovascular structure and function. *Journal of the CardioMetabolic Syndrome*. 4, 63-71.
- Paz-Filho, G., Esposito, K., **Hurwitz, B.**, Sharma, A., Dong, C., Andreev, V., Delibasi, T., Erol, H., Ayala, A., Wong, M., Licinio, J. (2009). Leptin and insulin sensitivity: reply to Oral and Burant. *American Journal of Physiology – Endocrinology and Metabolism*. 296, E396.
- Paz-Filho, G., Esposito, K., **Hurwitz, B.**, Sharma, A., Dong, C., Andreev, V., Delibasi, T., Erol, H., Ayala, A., Wong, M., Licinio, J. (2008). Changes in insulin sensitivity during leptin replacement therapy in leptin-deficient patients. *American Journal of Physiology – Endocrinology and Metabolism*. 295(6), E1401-E1408.
- Paz-Filho, G.J., Ayala, A., Esposito, K., Erol, H.K., Delibasi, T., **Hurwitz, B.E.**, Wong, M.L., Licinio, J. (2008). Effects of Leptin on Lipid Metabolism. *Hormone and Metabolic Research*. 40, 572-574.
- Greeson, J.M., **Hurwitz, B.E.**, Llabre, M.M., Schneiderman, N., Penedo, F.J., & Klimas, N.G., (2008). Psychological Distress, Killer Lymphocytes, and Disease Severity in HIV/AIDS. *Brain, Behavior & Immunity*. 22(6), 901-911.
- Hurwitz, B.E.**, Llabre, M.M. Selenium Effects on HIV RNA and CD4 Cell Counts: Author reply (2007) *Archives of Internal Medicine*. 167(14), 1557.
- Hurwitz, B.E.**, Klaus, J.R., Llabre, M.M., Gonzalez, A., Lawrence, P.J., Maher, K.J., Greeson,

J.M., Baum, M.K., Shor-Posner, G., Skyler, J.S., & Schneiderman, N. (2007). Selenium Supplementation Suppresses HIV Viral Load: A randomized controlled trial. *Archives of Internal Medicine*. 167(2):148-54.

Hurwitz, B.E., LaPerriere, A. (2006). Exercise Intervention and Metabolic Syndrome in Type 2 Diabetes. *International Diabetes Monitor*. 18(3), 33-37.

Hurwitz, B.E., Brownley, K.A., Motivala, S.J., Milanovich, J.R., Kibler, J.L., Fillion, L., LeBlanc, W.G., Kumar, M., Klimas, N.G., Fletcher, M.A., & Schneiderman, N. (2005). Sympatho-Immune Anomalies Underlying the Response to Stressful Challenge in HIV Spectrum Disease. *Psychosomatic Medicine*. 67(5), 798-806.

Hurwitz, B.E., Klimas, N.G., Llabre, M.M., Maher, K.J., Skyler, J.S., Bilsker, M.S., McPherson-Baker, S., Lawrence, P.J., LaPerriere, A.R., Greeson, J.M., Klaus, J.R., Lawrence, R. & Schneiderman, N. (2004). HIV, Metabolic Syndrome X, Inflammation, Oxidative Stress, and Coronary Heart Disease Risk: Role of protease inhibitor exposure. *Cardiovascular Toxicology*. 4(3), 303-316.

Hurwitz, B.E. (2004). Chronic Sildenafil Therapy for Improving Systemic Vascular Endothelial Function. *International Diabetes Monitor*. 16(1), 23-25.

Motivala, S.J., **Hurwitz, B.E., Llabre, M.M., Klimas, N.G., Fletcher, M.A., Antoni, M.H., LeBlanc, W.G., & Schneiderman, N. (2003).** Psychological distress is associated with decreased memory T-helper and B-cell counts in pre-AIDS HIV seropositive men and women but only in those with low viral load. *Psychosomatic Medicine*. 65(4), 627-635.

Gerrity, T.R., Bates, J., Bell, D.S., Chrousos, G., Furst, G, Hedrick, T., **Hurwitz, B.E., Kula, R.W., Levine, S.M, Moore, R.C., Schondorf, R. (2002).** Chronic Fatigue Syndrome: What role does the autonomic nervous system play in the pathophysiology of this complex illness? *Neuroimmunomodulation*. 10(3), 134-141.

Maher, K.J., Klimas, N.G., **Hurwitz, B.E., Schiff, R., Fletcher, M.A. (2002).** Quantitative fluorescence measures for determination of intracellular perforin content. *Clinical and Diagnostic Laboratory Immunology*. 9(6), 1248-1252.

Peckerman A., **Hurwitz, B.E., Nagel, J.H., Leitten, C., Agatston, A.S., & Schneiderman, N. (2001).** Effects of Gender and Age on the Cardiac Baroreceptor Reflex in Hypertension. *Clinical Experimental Hypertension*. 23(8), 645-656.

Brownley, K.A., Milanovich, J.R., Motivala, S.J., Schneiderman, N., Fillion, L., Graves, J.A., Klimas, N.G., Fletcher, M.A., & **Hurwitz, B.E. (2001).** Autonomic and cardiovascular function in HIV spectrum disease: Early indications of cardiac pathophysiology. *Clinical Autonomic Research*, 11(5):319-326.

Goldstein, R.Z., **Hurwitz, B.E., Llabre, M.M., Schneiderman, N., Gutt, M., Skyler, J.S., Prineas, R.J. & Donahue, R.P. (2001).** Modeling Preclinical Cardiovascular Risk for use in Epidemiological Studies: The Miami Community Health Study. *American Journal of Epidemiology*. 154(8), 765-776.

- Penedo, F.J., Antoni, M.H., Schneiderman, N., Ironson, G.H., Malow, R.M., Cruess, S., **Hurwitz, B.**, & LaPerriere, A. (2001). Dysfunctional attitudes, coping and depression among HIV+ men who have sex with men (MSM). *Cognitive Therapy and Research*, 25(5), 591-606.
- Hurwitz, B.E.**, Brownley, K.A., Fletcher, M.A. & Klimas, N.G. (2000). Chronic fatigue syndrome: Evidence supporting the hypothesis of a behaviorally-activated neuromodulator of fatigue. *Journal of Chronic Fatigue Syndrome*. 6(2), 45-63.
- Peckerman, A., LaManca, J.J., Smith, S.L., Taylor, A., Tiersky, L., Pollet, C., Korn, L., **Hurwitz, B.E.**, Ottenweller, J.E., Natelson, B.H. (2000). Cardiovascular stress responses and their relation to symptoms in Gulf War veterans with fatiguing illness. *Psychosomatic Medicine*. 62, 509-516.
- Hurwitz, B.E.** (2000). Preclinical signs of autonomic neuropathy or compensatory autonomic regulation? *International Diabetes Monitor*. 12(1), 8-10.
- Brownley, K.A., **Hurwitz, B.E.**, & Schneiderman, N. (1999). Ethnic variations in the pharmacological and non-pharmacological treatment of hypertension: A bio-psycho-social perspective. *Human Biology*. 71(4), 607-639.
- Motivala, S.J., **Hurwitz, B.E.**, La Greca, A.M., Llabre, M.M., Marks, J.B., Skyler, J.S. & Schneiderman, N. (1999). Aberrant parasympathetic and hemodynamic function distinguishes a sub-group of psychologically-distressed individuals with asymptomatic Type I Diabetes Mellitus. *International Journal of Behavioral Medicine*. 6(1), 78-94.
- Peckerman, A., Saab, P.G., Llabre, M.M., **Hurwitz, B.E.**, McCabe, P.M. & Schneiderman, N. (1998). Cardiovascular and perceptual effect of reporting pain during the foot and forehead cold pressor tests. *International Journal of Behavioral Medicine*. 5(2), 106-117.
- Nagel, J.H., **Hurwitz, B.E.**, Schneiderman, N. (1997). Noninvasive assessment of cardiovascular reactivity and its significance as an indicator of risk for hypertension. *Biomedical Engineering, Applications, Basis & Communications*. 9, 230-241.
- Saab, P.G., Llabre, M.M., Schneiderman, N., **Hurwitz, B.E.**, Green, P., Evans, J., Wohlgemuth, W., Hayashi, P., & Klein, B. (1997). Influence of ethnicity and gender on cardiovascular responses to active coping and inhibitory-passive coping challenges. *Psychosomatic Medicine*, 59, 427-446.
- Nagel, J.H., Reddy, S.P., **Hurwitz, B.E.**, Schneiderman, N., Prashad, R. & Agatston, A.S. (1997). Quantification of aortic valve stenosis based on a time-frequency analysis of Doppler ultrasound signals. *Biomedical Engineering*. 9, 74-80.
- Starr, K.R., Antoni, M.H., **Hurwitz, B.E.**, Rodriguez, M.R., Ironson, G., Fletcher, M.A., Kumar, M., Patarca, R., Lutgendorf, S.K., Quillian, R.E., Klimas, N.G. & Schneiderman, N. (1996). Patterns of immune, neuroendocrine, and cardiovascular stress responses in asymptomatic Human Immunodeficiency Virus seropositive and seronegative men. *International Journal of Behavioral Medicine*. 3, 135-162.
- Hurwitz, B.E.**, Quillian, R.E., Marks, J.B., Schneiderman, N., Agramonte, R.F., Freeman, C.R.,

LaGreca, A.M., Skyler, J.S. (1994). Resting parasympathetic status and cardiovascular response to orthostatic and behavioral challenges in Type I insulin-dependent diabetes mellitus. *International Journal of Behavioral Medicine*. 1,137-162.

Peckerman, A., **Hurwitz**, B.E., Saab, P.G., Llabre, M.M., McCabe, P.M., & Schneiderman, N. (1994). Stimulus dimensions of the cold pressor test and the associated patterns of cardiovascular response. *Psychophysiology*. 31, 282-290.

Hurwitz, B.E. (1993). Issues in methodology and application of impedance cardiography: An introduction. *Biological Psychology*. 36, 1-2.

Hurwitz, B.E., Lu, C-C., Reddy, S.P., Shyu, L-Y., Schneiderman, N. & Nagel, J.H. (1993). Signal fidelity requirements for deriving impedance cardiographic measures of cardiac function over a broad range of heart rate. *Biological Psychology*. 36, 3-21.

Hurwitz, B.E., Nelesen, R.A., Saab, P.G., Nagel, J.H., Spitzer, S.B., Gellman, M.D., McCabe, P.M., Phillips, D.J., & Schneiderman, N. (1993). Differential patterns of dynamic cardiovascular regulation as a function of task. *Biological Psychology*. 36, 75-95.

Llabre, M.M., Saab, P.G., **Hurwitz**, B.E., Schneiderman, N., Spitzer, S., Frame, C.A. & Phillips, D. (1993). The stability of cardiovascular parameters under different behavioral challenges: One-year follow-up. *International Journal of Psychophysiology*. 14, 241-248.

Nagel, J.H., Han, K., **Hurwitz**, B.E., & Schneiderman, N. (1993). Assessment and diagnostic applications of heart rate variability. *Biomedical Engineering-Applications, Basis, & Communications*, 5, 147-158.

Saab, P.G., Llabre, M.M., **Hurwitz**, B.E., Schneiderman, N., Durel, L.A., Wohlgelmuth, W., Massie, C. & Nagel, J. (1993). The cold pressor test: Vascular and myocardial response patterns and their stability. *Psychophysiology*. 30, 366-373.

Saab, P.G., Llabre, M.M., **Hurwitz**, B.E., Frame, C.A., Reineke, L.J., Fins, A.I., McCalla, J., Cieply, L.K., & Schneiderman, N. (1992). Myocardial and peripheral vascular responses to behavioral challenges and their stability in black and white Americans. *Psychophysiology*, 29, 384-397.

Markgraf, C.G., Green, E.J., **Hurwitz**, B.E., Morikawa, E., Dietrich, W.D., McCabe, P.M., Ginsberg, M.D. & Schneiderman, N. (1992). Sensorimotor and cognitive consequences of middle cerebral artery occlusion in rats. *Brain Research*, 575, 238-246.

Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Alonso, O., Watson, B.D., Ginsberg, M.D., & Schneiderman, N. (1991). Amphetamine promotes recovery from sensory-motor integration deficit after thrombotic infarction of primary somatosensory cortex. *Stroke*, 22, 648-654.

Vera, P.L., **Hurwitz**, B.E., & Schneiderman, N. (1990). Sympathoadrenal preganglionic neurons in the adult rabbit send their dendrites into the contralateral hemicord. *Journal of the Autonomic Nervous System*, 30, 193-198.

Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N.

(1990). Sensory-motor deficit and recovery from thrombotic infarction of the vibrissal barrel-field cortex. *Brain Research*, 512, 210-220.

Nagel, J.H., Shyu, L.Y., Reddy, S.P., **Hurwitz**, B.E., McCabe, P.M., & Schneiderman, N. (1989). New signal processing techniques for improved precision of noninvasive impedance cardiography. *Annals of Biomedical Engineering*, 17, 517-534.

Hurwitz, B.E., Smith, R.L., & Meyer, M.E. (1989). Blood pressure during induction and termination of the dorsal immobility response. *Physiology & Behavior*, 45, 671-675.

Hurwitz, B.E., & Furedy, J.J. (1986). The human dive reflex: An experimental, topographical and physiological analysis. *Physiology & Behavior*, 36, 287-294.

13. Other works, publications, and published abstracts

13a. Textbook Chapters, General Proceedings and Reports

Hurwitz, B.E., Schultz, L.M., Greeson, J.M. (in press). HIV-1 Spectrum Disease, Psychological Distress and Cardiometabolic Risk. In S. Waldstein, L. Katzel, .W. Kop (Eds.), *Handbook of Cardiovascular Behavioral Medicine*. Springer, New York.

Hurwitz, B.E., Komorowski, J. A method of treating and preventing viral infections. U.S. Patent and Trademark Office, U.S. Department of Commerce, file#SPOR22871PCT, 12/19/2007.

Hurwitz, B.E. (2004). Chronic Fatigue Syndrome. In A.J. Christensen, R. Martin, J.M. Smith (Eds.), *Encyclopedia of Health Psychology*. (pp.45-48). Kluwer Academic/Plenum Publishers, New York.

Brownley, K.A. & **Hurwitz**, B.E. (2003). Assessment of autonomic and cardiovascular function in HIV disease. In G.Barbaro (Ed.), *Advances in Cardiology: HIV Infection and the Cardiovascular System*. (pp.105-139). Karger, NY.

Brownley, K.A., **Hurwitz**, B.E., & Schneiderman, N. (2000). Cardiovascular psychophysiology: Function, methodology, and use in pathophysiological investigation. In J.T. Cacioppo, L.G. Tassinary, G.G. Berntson (Eds.), *Handbook of Psychophysiology*, (pp. 224-264), Cambridge University Press, New York.

Hurwitz, B.E., Goldstein, R., Massie, C.A., Llabre, M.M., & Schneiderman, N. (2000). Low-flow circulatory state and the pathophysiological development of cardiovascular disease: A model of autonomic mediation of cardiovascular regulation. In P.M. McCabe, N. Schneiderman, T. Field, & A.R. Wellens (Eds.), *Stress, Coping, and Cardiovascular Disease*. (pp. 85-122), Lawrence Erlbaum Associates. Mahwah, NJ.

Schneiderman, N., Gellman, M., Peckerman, A., **Hurwitz**, B., Saab, P., Llabre, M., Ironson, G., Durel, L., Nagel, J., McCabe, P., & Skyler, J. (2000). Cardiovascular reactivity as an indicator of risk for future hypertension. In P.M. McCabe, N. Schneiderman, T. Field, & A.R. Wellens (Eds.), *Stress, Coping, and Cardiovascular Disease*, (pp. 181-202), Lawrence Erlbaum Associates. Mahwah, NJ.

Schneiderman, N., Antoni, M., Ironson, G., Klimas, N., **Hurwitz**, B.E., Kumar, M., LaPerriere, A.,

- Brownley, K., & Fletcher, M.A. (1999). Psychoneuroimmunology and HIV/AIDS. In M. Schedlowski & U. Tewes (Eds.), *Psychoneuroimmunology: An interdisciplinary introduction*, (pp. 487-507), Kluwer Academic/Plenum, New York.
- Hurwitz, B.E & Schneiderman, N. (1998).** Cardiovascular reactivity and the relation to cardiovascular disease risk. In D. Krantz & A. Baum (Eds.), *Technology and Methodology in Behavioral Medicine*. (pp. 243-273), Lawrence Erlbaum Associates. Mahwah, NJ.
- Fillion, L., **Hurwitz, B.E.**, Fletcher, M.A., Graves, J.A., Klimas, N.G., & Schneiderman, N. (1998). Reliability and concurrent and predictive validity of the Subjective Appraisal Rating Scale in HIV-infected men and women. *York University Research Reports*, 249, 1-19.
- Schneiderman, N., Antoni, M., Ironson, G., Lutgendorf, S., **Hurwitz, B.**, Klimas, N., Kumar, M., Laperriere, A. & Fletcher, M. (1996). Psychoneuroimmunologie und HIV/AIDS. In M. Schedlowski, & U. Tewes (Eds.), *Psychoneuroimmunologie* (pp. 577 - 633). Germany: Spektrum Akademischer Verlag.
- Hurwitz, B.E.**, Shyu, L-Y., Lu, C-C., Reddy, S.P., Schneiderman, N. & Nagel, J.H. (1991). Influence of signal fidelity on impedance cardiographically-derived values at resting and accelerated heart rates. In J.H. Nagel & W.M. Smith (Eds.), *Bioelectric Phenomena, Electrocardiography, Electromagnetic Interactions, Neuromuscular Systems*, IEEE Publishing Services, New York, 13(2), pp. 793-794.
- Han, K., Nagel, J.H., **Hurwitz, B.E.**, & Schneiderman, N. (1991). Decomposition of heart rate variability by adaptive filtering for estimation of cardiac vagal tone. In J.H. Nagel & W.M. Smith (Eds.), *Bioelectric Phenomena, Electrocardiography, Electromagnetic Interactions, Neuromuscular Systems*, IEEE Publishing Services, New York, 13(2), pp. 660-661.
- Hurwitz, B.E.**, Shyu, L-Y., Reddy, S.P., Schneiderman, N., & Nagel, J.H. (1990). Coherent ensemble averaging techniques for impedance cardiography. In H.T. Nagle & J.N. Brown (Eds.), *Computer-based medical systems*, IEEE Computer Society Press, Washington, pp. 228-235.
- Hurwitz, B.E.**, Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D., & Schneiderman, N. (1989). Amphetamine-accelerated recovery from cortical barrel-field infarction: pharmacological treatment of stroke. In M.D. Ginsberg and W.D. Dietrich (Eds.), *Cerebrovascular Diseases*, Raven Press, New York, pp. 309-318.
- Reddy, S.P., Shyu, L.Y., **Hurwitz, B.E.**, Nagel, J.H., & Schneiderman, N. (1988). Improved reliability of impedance cardiography by new signal processing techniques. In G. Harris and C. Walker (Eds.), *Cardiology and Imaging*, IEEE Publishing Services, New York, Vol. 10, pp. 43-44.

13b. Published Abstracts

- Montenegro Perdomo, A., Salgueiro, L., Florez, H., Troen, B.R., Hurwitz, B. (2010). Relationship of Insulin Resistance and Metabolic Syndrome with Endothelial Progenitor Cells and Flow-Mediated Vasodilation. *Arteriosclerosis, Thrombosis and Vascular Biology-American Heart Association*, 53-54.

- Coryell, V., Gonzalez, A., Gonzalez, N., Llabre, M., & Hurwitz, B. (2010). The role of eating style in central obesity and insulin resistance. *Annals of Behavioral Medicine*, 39(suppl.), A073.
- Coryell, V.T., Hurwitz, B.E., Parker, M., Martin, P., LaPerriere, A., Klimas, N.G., Sfakianakis, G.N., & Bilsker, M.S. (2009). Chronic Fatigue Syndrome: Illness severity, sedentary lifestyle, blood volume and cardiac structure and function. *Psychosomatic Medicine*, 71(3), A122.
- Hurwitz, B.E., Klaus, J.R., Llabre, M.M. (2008). Selenium Supplementation Suppresses HIV-1 Viral Load Following 18 Months of Treatment: The Mediation Role of Cytotoxic T cell Activation. *International AIDS Society*, CDB0175.
- Greeson, J., Llabre, M.M., Hurwitz, B. (2008). Perceived stress, anxiety, depression, and anger relate to greater inflammation in HIV+ adults treated with combination drug therapy. *Psychosomatic Medicine*, 70 (S3), A118.
- Coryell, V., Schultz, L., Wohlgemuth, W., Gonzalez, N., Lawrence, R., Martin, P., Klimas, N., Hurwitz, B. (2008). Vital exhaustion, sleep disturbances, and inflammatory biomediators in Chronic Fatigue Syndrome. *Annals of Behavioral Medicine*, 35 (S1), S128.
- Gutt, M., Wachowiak, P., Hurwitz, B., Gellman, M., Robinson, E.V., Parker, M., Schneiderman, N. (2008). Left ventricular diastolic dysfunction in a multi-ethnic cohort of post-myocardial infarction patients: Linkage with insulin metabolic function. *Tenth International Congress of Behavioral Medicine*, (Suppl), 114.
- Lin, H., Llabre, M.M., Schneiderman, N., Hurwitz, B.E (2008). Do anger and social support predict metabolic syndrome in healthy middle-aged adults? *Psychosomatic Medicine*, 70 (S3), A77.
- Lin, H., Llabre, M. M., Hurwitz, B. E., Schneiderman, N. (2008). Anger, social support, and metabolic syndrome in healthy middle aged adults: the role of perceived stress. *Tenth International Congress of Behavioral Medicine*, (Suppl), 74.
- Schultz, L., Coryell, V., Patterson, A., Gonzalez, A., Baez-Garcia, C., Gonzalez, N., Hurwitz, B. (2008). Linkages to HIV Antiretroviral Adherence and Disease Severity: Ethnic Identity, Beliefs and Attitudes about Medicine, and Psychological Distress. *Annals of Behavioral Medicine*, 35 (S1), S44.
- Hurwitz, B.E. (2007). Selenium supplementation and HIV-1 viral load progression: The Miami Selenium for Heart & Immune Health Trial (MIASEL). *Journal of the American College of Nutrition*; 26(5), 478.
- Hurwitz, B.E., Klaus, J., Greeson, J., Llabre, M., Schneiderman, N. (2007). Distress, inflammation, oxidative stress & immune reconstitution in HIV/AIDS. *Psychosomatic Medicine*, 69 (Suppl), A7-A8.
- Klaus, J., Hurwitz, B., Llabre, M., Schneiderman, N., Gonzalez, A., Baez-Garcia, C., Gonzalez, N., Henry, N. Behavioral predictors of central obesity in an ethnically diverse cohort of healthy men and women. *Annals of Behavioral Medicine*, 33(suppl), C65.
- Schneiderman, N., Steptoe, A., Hall M., Heijnen C.J., Hurwitz, B.E. (2007). Biobehavioral aspects

of disease processes: Fundamental and clinical perspectives. *Psychosomatic Medicine*, 69 (Suppl), A7.

Lin, H., Llabre, M.M., Schneiderman, N., Hurwitz, B.E. (2007). Does psychological distress predict blood pressure recovery from stress in healthy men and women? *Psychosomatic Medicine*, 69 (Suppl), A27.

Hurwitz, B.E., Wohlgemuth, W., Klimas, N., Lawrence, R., Martin, P., Baez-Garcia, C., Lawrence, P., Sfakianakis, G., Schneiderman, N. (2006). Low Blood Volume, sleep disturbances, and perceived fatigue in chronic fatigue syndrome: Role of proinflammatory mediators. *International Journal of Behavioral Medicine*, 13(Suppl), 103.

Schneiderman, N., Gellman, M., Goldberg, R., Gutt, M., Hurwitz, B., Klaus, J., Llabre, M., Saab, P. (2006). Metabolic syndrome variables and disease processes. *International Journal of Behavioral Medicine*, 13(Suppl), 189-190.

Johnson, L.M., Hurwitz, B.E., Bilsker, M. Skyler, J., Gonzalez, A., Parker, M., Gonzalez, N., Marks, J., Schneiderman, N. (2006). Preclinical differences in metabolic syndrome measures of cardiovascular disease risk in hyper- and normo-cold pressor reactors. *Psychosomatic Medicine*, 68(Suppl), A94.

Greeson, J., Llabre, M., Maher, K., Gonzalez, N., Lawrence, P., Baez-Garcia, C., Schneiderman, N., & Hurwitz, B. (2006). Psychological distress and HIV pathogenesis: Role of cytotoxic T-cell activation and inflammatory cytokine production. *Psychosomatic Medicine*, 68(Suppl), A21.

Klaus, J., Hurwitz, B., Llabre, M., Schneiderman, N., Goldberg, R., Skyler, J., Bilsker, M. (2006). Hypertensive risk: A model of stress, inflammation and the metabolic syndrome across sex and ethnicity. *Annals of Behavioral Medicine*, 31(suppl), C195.

Greeson, J., Llabre, M., Klimas, N., Lawrence, P., Gonzalez, A., Martin, P., Schneiderman, N., & Hurwitz, B. (2005). Psychological distress and HIV disease progression: role of natural killer cell immunity. *Psychosomatic Medicine*, 67(1), A21.

Greeson, J., Maher, K., Llabre, M., Lawrence, P., Baez-Garcia, C., Martin, P., Hernandez-Cassis, S., Gonzalez, N., Schneiderman, N., Hurwitz, B. (2004). Psychological distress predicts immunological markers of HIV disease progression. *Psychosomatic Medicine*, 66(1), A21.

Greeson, J.M., Siegel, S.D., Llabre, M.M., Maher, K.J., Schneiderman, N., & Hurwitz, B.E. (2004). Mechanism of stress-induced immunocellular reactivity in HIV+ men and women: a latent growth modeling approach. *International Journal of Behavioral Medicine*, 11(Suppl.), 212.

Greeson, J., LaPerriere, A., Maher, K., Henry, N., Lawrence, P., Klaus, J., Moose, J., Hernandez-Cassis, S., Fletcher, M., Klimas, N., Schneiderman, N. & Hurwitz, B. (2003) Cognitive-behavioral stress management influences viral load and CD8 cells: 10-week treatment effects in HIV+ men and women. *Psychosomatic Medicine*, 65(1), A14.

Karnatovskaia, L., Klaus, J., Rusiewicz, A., Henry, N., Gonzalez, N., Skyler, J., Schneiderman, N., & Hurwitz, B.E. (2002). Diminished Parasympathetic Function in Type 1 Diabetes Mellitus

Moderates The Relationship Between Psychological Distress and Resting Epinephrine Levels. *Annals of Behavioral Medicine*, 24 (suppl).

Klaus, J., Parker, M., Moose, J., Henry, N., Gonzalez, N., Marks, J., Skyler, J., Bilsker, M., Schneiderman, N., Hurwitz, B.E. (2002). The role of obesity and insulin resistance in preclinical alterations of cardiovascular structure and function. *Annals of Behavioral Medicine*, 24 (suppl).

Rusiewicz, A., Marks, J., Lawrence, P., La Greca, A.M., Skyler, J., Schneiderman, N., & Hurwitz, B.E. (2002). Dysphoria and Adherence Predict Pre-clinical Cardiac Abnormalities in Adults with Type 1 Diabetes Mellitus. *Annals of Behavioral Medicine*, 24 (suppl).

Hurwitz, B.E. (2001). Validity of impedance cardiography for deriving cardiac systolic events using the aortic echogram as the standard of comparison. *Innovation Verhaltensmedizin*. 8, 7.

Klaus, J., Parker, M., Gonzalez, A., Bilsker, M., Karnatovskaia, L., Rusiewicz, A., Schneiderman, N. & Hurwitz, B.E. (2001). Insulin sensitivity predicts endothelium-dependent vasodilatory function in healthy, normotensive men and women. *Psychophysiology*, 38 (suppl 1), S56.

Rusiewicz, A., Kibler, J., Klaus, J., Hurwitz, H., Schneiderman, N. & Hurwitz, B.E. (2001). Dysphoria, gender, sexual dysfunction and parasympathetic dysfunction in adults with Type 1 Diabetes Mellitus, *Annals of Behavioral Medicine*, 23 (suppl), S143.

Karnatovskaia, L., Rusiewicz, A., Kibler, J., Parker, M., Henry, N., Gonzalez, A., Hart, C., Marks, J., Skyler, J., Schneiderman, N. & Hurwitz, B.E. (2001). Early in Type 1 Diabetes Mellitus progression, heart structure and functional abnormalities are predicted by diminished parasympathetic outflow. *Annals of Behavioral Medicine*, 23 (suppl).

Kibler, J.L., Hurwitz, B.E., Hart, C.T., Schneiderman, N., Bilsker, M.S. (2001). Low-cognitive appraisal of challenge corresponds with exaggerated diastolic blood pressure reactivity to an evaluative speech stressor in coronary artery disease. *Annals of Behavioral Medicine*, 23 (suppl).

Baker, N., Brownley, K.A., Llabre, M.M., Gutt, M., Goldstein, R., Schneiderman, N., Donahue, R.P. & Hurwitz, B.E. (2000). Miami Community Health Study: Cardiovascular Reactivity in African-American, Cuban-American and White Men and Women, *Annals of Behavioral Medicine*, 22 (suppl), S180.

Davis, C.L., Llabre, M., Goldstein, R., Donahue, R., Prineas, R., Hurwitz, B.E. & Schneiderman, N. (2000). Differential LDL-SBP Relationships in Black and White Men. *Annals of Behavioral Medicine*, 22 (suppl), S101.

Hurwitz, B.E., Stone, A., Suarez, E. & Rueddel, H. (2000). Stress and Cardiovascular Reactivity. *International Journal of Behavioral Medicine*, 7 (suppl.1),17.

Hurwitz, B.E., Bilsker, M.S., Hart, C.T. & Schneiderman, N. (2000). Cardiac and Vascular Stress Reactor Type: Heart Structure, Low-Flow Circulatory Status, and Preclinical Cardiovascular Risk. *International Journal of Behavioral Medicine*, 7 (suppl.1),18.

Hurwitz, B.E., Bilsker, M.S., Parker, M., Hart, C.T. & Schneiderman, N. (2000). Heart Structure

and Function in Cardiac and Vascular Reactors to Stressful Challenge, *Psychosomatic Medicine*, 62, 134.

Kibler, J.L., Henry, N.D., Gonzalez, A., Gonzalez, M.A., Rusiewicz, A., Brownley, K.A., Marks, J.B., Skyler, J.S., Schneiderman, N. & Hurwitz, B.E. (2000). Psychological, Physical, and Behavioral Predictors of Baroreceptor Sensitivity in Type I Diabetes Mellitus and Healthy Control Subjects, *Psychosomatic Medicine*, 62, 112.

Klaus, J.R., Brownley, K.A., Baum, M.K., Motivala, S.J., Milanovich, J.R., Baker, N.A., Klimas, N.G., Schneiderman, N. & Hurwitz, B.E. (2000). Plasma Selenium Levels Predict Diminished Cardiac Function in HIV Spectrum Disease, *Annals of Behavioral Medicine*, 22 (suppl), S070.

Rusiewicz, A., Henry, N.D., Gonzalez, A., Llabre, M.M., Brownley, K.A., Skyler, J., LaGreca, A.M., Schneiderman, N. & Hurwitz, B.E. (2000). Diabetes-specific Perceived Stress, Adherence and Glycemic Control in Type I Diabetes Mellitus, *Twenty-first Annual Proceedings of The Society for Behavioral Medicine*, Nashville: Society of Behavioral Medicine.

Baker, N., Brownley, K.A., Llabre, M.M., Schneiderman, N., Donahue, R.P. & Hurwitz, B.E. (1999). Miami Community Health Study: Cardiovascular reactivity in African-American, Cuban-American, and White men and women, *Twentieth Annual Proceedings of The Society for Behavioral Medicine*, (pp. R-155) San Diego: Society of Behavioral Medicine.

Brownley, K.A., Milanovich, J.R., Klimas, N.G., Maher, K., Fletcher, M.A., Motivala, S.J., Schneiderman, N. & Hurwitz, B.E. (1999). CD38+ and CD38- phenotypes of the CD8+HLA/DR+ lineage, stress hormones, HIV symptoms and HIV disease progression. *Annals of Behavioral Medicine*, 21 (suppl), S061.

Kibler, J.L., Hurwitz, B.E., Llabre, M.M., Kuskin, K.L., Gonzalez, M.A., Gonzalez, N.L., Marks, J.B., Skyler, J.S., & Schneiderman, N. (1999). Dysphoria, social support, and Type I diabetes duration suppress the relationship of baroreceptor function to pain perception. *Annals of Behavioral Medicine*, 21 (suppl), S015.

Vallenilla, C.T., Parker, M., Kibler, J.L., Bilsker, M.S., Brownley, K.A., Llabre, M.M., Schneiderman, N., Motivala, S.J. & Hurwitz, B.E. (1999). Myocardial structural determinants of cardiovascular performance in response to speech stress. *Twentieth Annual Proceedings of The Society for Behavioral Medicine*, (pp. R-156) San Diego: Society of Behavioral Medicine.

Brownley, K.A., Hurwitz, B.E., Fletcher, M.A., Kumar, M., Klimas, N., Milanovich, J.R., Motivala, S.J., LeBlanc, W.G. & Schneiderman, N. (1998). Selective sympathetic disruption of the immunological response to speech stress in HIV spectrum disease. *Annals of Behavioral Medicine*, 20 (suppl), S43.

Gallaher, C.K., Hurwitz, B.E., Gutt, M., Marks, J.B., Llabre, M.M., Skyler, J.S., Davis, C., Landel, J., Leo, T., Gellman, M.D. & Schneiderman, N. (1998). Cardiovascular response to stress and insulin metabolic syndrome in gestational diabetes mellitus. *Annals of Behavioral Medicine*, 20 (suppl), S58.

Goldstein, R., Llabre, M.M., Donahue, R.P., Milanovich, J.R., Kibler, J.L., Motivala, S.J., Vallenilla, C.T., Stern, N., Prineas, R.J., Schneiderman, N. & Hurwitz, B.E. (1998). Cross-

validation of a model of autonomic and cardiovascular function in men and women. *Annals of Behavioral Medicine*, 20 (suppl), S86.

Hurwitz, B.E., Brownley, K.A., Fletcher, M.A., Klimas, N., Motivala, S.J., Milanovich, J.R., LeBlanc, W.G. & Schneiderman, N. (1998). Low-flow circulatory state distinguishes abnormal immuno-cellular responses to stress in HIV spectrum disease. *Psychosomatic Medicine*, 60, 102.

Hurwitz, B.E., Doherty, K., & Schneiderman, N. (1998). Reactor status and age predict differences in lipid profiles, resting hemodynamic functioning, and cardiovascular reactivity in normotensive men and women. *Fifth Annual Proceeding of the International Congress of Behavioral Medicine*, Copenhagen, Denmark.

Kibler J.L., Hurwitz, B.E. Marks, J.B., Kuskin, K.L., Gonzalez, M.A., Hatfield, J.R., Skyler, J.S., & Schneiderman, N. (1998). Baroreceptor sensitivity, pain perception of cold pressor stress, and blood pressure in Type I diabetes mellitus. *Psychophysiology*, S46.

Kibler J.L., Kuskin, K.L., Marks, J.B., Cazzaniga, A., Skyler, J.S., Schneiderman, N. & Hurwitz, B.E. (1998). Pain and cardiovascular reactivity to cold pressor stress in insulin dependent diabetes mellitus. *Annals of Behavioral Medicine*, 20 (suppl), S87.

Milanovich, J.R., Hurwitz, B.E., Motivala, S.J., Klimas, N.G., Fletcher, M.A., LeBlanc, W.G., Kuskin, K., Fillion, L., Brownley, K.A., Freshwater, S., & Schneiderman, N. (1998). Integrity of autonomic function in HIV-1 spectrum disease. *Annals of Behavioral Medicine*, 20 (suppl), S132.

Motivala, S.J., Hurwitz, B.E., Milanovich, J.R., Brownley, K.A., Fletcher, M.A. & Schneiderman, N. (1998). Cardiac stress responders display greater natural killer cell reactivity to a speech stressor. *Annals of Behavioral Medicine*, 20 (suppl), B104.

Vallenilla, C.T., Hurwitz, B.E., Doherty, K., Agramonte, R., Gutt, M., Marks, J.B., Gellman, M., & Schneiderman, N. (1998). Insulin sensitivity, central obesity, and cardiovascular reactivity in hypertension. *Annals of Behavioral Medicine*, 20 (suppl), S86.

Dettmer, E.L., Antoni, M.H., Motivala, S.J., Milanovich, J.E., Graves, J., Fillion, L., Schneiderman, N., Hurwitz, B.E. (1997). The use of the Millon Behavioral Health Inventory to operationalize emotional expression styles in HIV infected persons: Concurrent validity and generalizability. *Eighteenth Annual Proceedings of The Society for Behavioral Medicine*, (suppl) San Francisco: Society of Behavioral Medicine.

Goldstein, R., Llabre, M.M., Donahue, R.P., Schneiderman, N., Prineas, R.J., & Hurwitz, B.E. (1997). A model of autonomic regulation of cardiovascular function in White, Black, and Cuban men. *Annals of Behavioral Medicine*, 19 (suppl), S156.

Kibler, J.L., Hurwitz, B.E., Schneiderman, N., Lakhani, M.N., Peckerman, A., Keels, D., Reddy, S.P., Agatston, A.S., Nagel, J.H.(1997). Hypertensive status does not affect validity of impedance cardiography derived systolic time intervals. *Annals of Behavioral Medicine*, 19 (suppl), S156.

Motivala, S.J., Hurwitz, B.E., Fletcher, M.A., Ironson, G., Klimas, N., Milanovich, J.R.,

- Schneiderman, N. (1997). Cardiovascular and immune reactivity to an evaluative speech stressor in Black, Hispanic, and White men and women. *Annals of Behavioral Medicine*, 19 (suppl), S162.
- Vallenilla, C.T., Hurwitz, B.E., Bilsker, M.S., Nagel, J.H., Kibler, J.L., Motivala, S.J., Gellman, M.D., & Schneiderman, N. (1997). Stroke volume validation of impedance cardiography compared with pulsed-Doppler echocardiography in healthy men and women. *Annals of Behavioral Medicine*, 19 (suppl), S156.
- Fillion, L. Hurwitz, B.E., Antoni, M. H., Fletcher, M.A., Graves, J.A., Klimas, N.G., Schneiderman, N. (1996). Reliability and validity of the SARS in assessing the cognitive appraisal of HIV status. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.S189) Washington, D.C.
- Hurwitz, B.E., Mills, P.J., Redwine, L.S., Ottaway, C.A. (1996). Stress and the acute cellular immuno-reactivity. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.S52) Washington, D.C.
- Hurwitz, B.E., Antoni, M. H., Fletcher, M.A., Kumar, M., Graves, J.A., Milanovich, J.R., Motivala, S.J., Schneiderman, N. (1996). Stressor-induced immune response patterning in HIV-1 seropositive and seronegative individuals. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.S53) Washington, D.C.
- Kibler, J.L., Hurwitz, B.E., Reddy, S.P., Nagel, J.H., Peckerman, A., Agatston, A.S., Keels, D., Schneiderman, N. (1996). Impedance cardiography yields valid systolic time interval measures at rest and during stressful challenge. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.S135) Washington, D.C.
- Kumar, M., Antoni, M.H., Kumar, A.M., Cruess, D., Fletcher, M.A., Hurwitz, B.E., Schneiderman, N. (1996). Circadian changes in cortisol and DHEA-S in HIV-1 infection. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.S83) Washington, D.C.
- Motivala, S.J., Hurwitz, B.E., LaGreca, A.M., Skyler, J.S., Schneiderman, N. (1996). Diminished parasympathetic cardiac input predicts differences in psychosocial functioning. *Fourth Annual Proceedings of the International Congress of Behavioral Medicine*, (pp.AD3) Washington, D.C.
- Hurwitz, B.E., Graves, J.A., Fletcher, M.A., Klimas, N., Steffen, B.S., Fillion, L., Leitten, C.L., Schneiderman, N. (1995). Behavioral, postural, and reflex challenges reveal cardiovascular abnormalities in the progression of HIV-1 infection. *Fifty-third Annual Meeting of the American Psychosomatic Society*, (pp. 77) Washington, D.C.
- Wohlgemuth, W., Llabre, M.M., Saab, P.G., Hurwitz, B.E. & Schneiderman, N. (1995). The stability of recovery from the foot cold pressor: An application of multivariate generalizability theory. *Annals of Behavioral Medicine*, 17 (suppl), S119.
- Evans, J.D., Green, P.A., Saab, P.G., Llabre, M.M., Hurwitz, B.E. & Schneiderman, N. (1994). The influence of race and gender on recovery to challenge. *Annals of Behavioral Medicine*, 16 (suppl), S48.
- Donahue, R.D., Gutt, M., Donahue, R.P., Prineas, R.J., Bean, J., Hurwitz, B.E. & Schneiderman, N.

- (1994). Blood pressure reactivity in a triethnic population: The Miami Community Health Study. *Annals of Behavioral Medicine*, 16 (suppl), S128.
- Hurwitz, B.E., Nagel, J.H., Reddy, S.P., Shyu, L-Y., Leitten, C.L., Keels, D.L., Peckerman, A. & Schneiderman, N. (1994). Methodology and application of impedance cardiography: Toward study of the dynamic aspects of cardiovascular function. *Third Annual Proceedings of the International Congress of Behavioral Medicine*, (pp. 24) Amsterdam, The Netherlands.
- Haythornthwaite, J.A., Lipp, M.N., Hurwitz, B.E. & Anderson, D.E. (1994). Cardiovascular responses preparing for and responding to social challenges. *Psychosomatic Medicine*, 56, 159.
- Kumar, M., Kumar, A.M., Antoni, M., Morgan, R., Hurwitz, B.E., Ironson, G., Gellman, M., Eisdorfer, C. & Schneiderman, N. (1994). Neuroendocrine reactivity to challenge in HIV-1 seropositive and seronegative gay men. *Third Annual Proceedings of the International Congress of Behavioral Medicine*, (pp. 108) Amsterdam, The Netherlands.
- Peckerman, A., Han, K., Nagel, J.H., Hurwitz, B.E., Keels, D., Leitten, C., Agatston, A.S. & Schneiderman, N. (1994). Diminished integration of respiratory fluctuations in blood pressure and heart rate in hypertension: An adaptive filtering analysis. *Third Annual Proceedings of the International Congress of Behavioral Medicine*, (pp. 99) Amsterdam, The Netherlands.
- Schneiderman, N., Starr, K., Antoni, M., Hurwitz, B.E., Rodriguez, M., Ironson, G., Kumar, M. & Fletcher, M. (1994). Immunologic reactivity to behavioral challenges as a function of HIV serostatus. *Third Annual Proceedings of the International Congress of Behavioral Medicine*, (pp. 63) Amsterdam, The Netherlands.
- Yount, S.E., Ironson, G., Phillips, D., Hurwitz, B.E., Evans, J., Olsson Istel, M., O’Nan, P.A. & Schneiderman, N. (1994). Stress-induced catecholamine and cardiovascular responses during eating. *Annals of Behavioral Medicine*, 16 (suppl), S129.
- Hurwitz, B.E., Han, K., Nagel, J., Schneiderman, N. (1993). Continuous estimation of dynamic changes in cardiac parasympathetic input. *Psychophysiology*, 30, S36.
- Hurwitz, B.E., Massie, C.A., Llabre, M.M. & Schneiderman, N. (1993). Autonomic Balance: A factor analysis of resting cardiovascular regulation reveals high risk cardiovascular profiles. *Psychophysiology*, 30, S36.
- Peckerman, A., Hurwitz, B.E., Saab, P., & Schneiderman, N. (1993). Ratings of pain modify the forehead cold pressor response as a function of pain intensity. *Annals of Behavioral Medicine*, 15 (suppl), S146.
- Starr, K., Antoni, M., Rodriguez, M., Hurwitz, B.E., Ironson, G., Fletcher, M., & Schneiderman, N. (1993). Immunologic reactivity to two different behavioral challenges among HIV-1 seropositive and seronegative gay men. *Annals of Behavioral Medicine*, 15 (suppl), S53.
- Llabre, M.M., Saab, P.G., Hurwitz, B.E., Frame, C., Spitzer, S., Phillips, D., & Schneiderman, N. (1992). Stability of stroke volume, cardiac output, total peripheral resistance and heather index under different laboratory challenges: One year follow-up. *Thirteenth Annual Proceedings of the Society for Behavioral Medicine*, (pp. 167) New York: Pergamon Press.

- Peckerman, A., Hurwitz, B.E., Saab, P.G., McCabe, P.M., Llabre, M.M. & Schneiderman, N. (1992). Pain and associated cardiovascular responses during two types of the cold pressor test. *Thirteenth Annual Proceedings of the Society for Behavioral Medicine*, (pp. 73) New York: Pergamon Press.
- Wohlgemuth, W.K., Llabre, M.M., Saab, P.G., Hurwitz, B.E., Durel, L. & Schneiderman, N. (1992). Differences in recovery to forehead cold pressor in black and white men. *Thirteenth Annual Proceedings of the Society for Behavioral Medicine*, (pp. 76) New York: Pergamon Press.
- Pazos, A.J., Green, E.J., Dietrich, W.D., McCabe, P.M., Earl, C.P., Watson, B.D., Hurwitz, B.E., Ginsberg, M.D., & Schneiderman, N. (1992). Effects of focal cerebral infarction of the frontal cortex on a vibrissae-dependent behavioral response in rats. *Neuroscience Abstracts*, 18, 1582.
- Hurwitz, B.E. (1991). Developing stable measures of cardiovascular reactivity patterns. *Twelfth Annual Proceedings of the Society for Behavioral Medicine*, (pp. 68) New York: Pergamon Press.
- Ansley, J. Marks, J.A., Hurwitz, B.E., Thompson, N.E., Quillian, R.E., Olsson-Istel, G.M., Ashby, M., Spitzer, S., Fili, M., Donahue, R.D.P., Schneiderman, N., & Skyler, J.S. (1991). Insulin resistance and blood pressure. *Twelfth Annual Proceedings of the Society for Behavioral Medicine*. (pp. 88) New York: Pergamon Press.
- Hurwitz, B.E., Marks, J.B., Freeman, C.R., LaGreca, A.M., Nagel, J.H., Agramonte, R.F., Schneiderman, N., & Skyler, J.S. (1991). Sympathetic dysfunction occurs early in the course of cardiovascular autonomic neuropathy. *Diabetes*, 40, suppl 1, 330A.
- LaGreca, A.M., Hurwitz, B.E., Freeman, C.R., Wick, P., Ireland, S., Agramonte, R.F., Marks, J.B., Schneiderman, N., & Skyler, J.S. (1991). Autonomic dysfunction in adults with IDDM: Implications for psychosocial functioning. *Diabetes*, 40, suppl 1, 431A.
- Marks, J.B., Hurwitz, B.E., Ansley, J., Quillian, R.E., Thompson, N.E., Olsson-Istel, G.M., Spitzer, S., Schneiderman, N., & Skyler, J.S. (1991). Effects of induced hyperinsulinemia on blood pressure and sympathetic tone in healthy volunteers. *Diabetes*, 40, suppl 1, 367A.
- Thompson, N.E., Marks, J.B., Hurwitz, B.E., Quillian, R.E., Ansley, J., Spitzer, S., Schneiderman, N. & Skyler, J.S. (1991). Insulin resistance dampens the acute effects of insulin on blood pressure regulation. *Diabetes*, 40, suppl 1, 366A.
- Freeman, C.R., Hurwitz, B.E., LaGreca, A.M., Nagel, J.H., Schneiderman, N., & Skyler, J. (1990). Defects in autonomic mediation of cardiovascular functioning in Type I diabetics. *Psychophysiology*, 27, S33.
- Nelesen, R.A., Hurwitz, B.E., Saab, P.G., Gellman, M.D., McCabe, P.M., & Schneiderman, N. (1990). Hemodynamic Forces supporting blood pressure elevation to three behavioral stressors. *Eleventh Annual Proceedings of the Society for Behavioral Medicine*, Pergamon Press, New York, pp 29-30.

- Markgraf, C.G., Hurwitz, B.E., Morikawa, E., Dietrich, W.D., Ginsberg, M.D., McCabe, P.M., & Schneiderman, N. (1990). Pattern of behavioral deficits following focal cerebral ischemia in rats: Sensorimotor integration and cognitive function. *Neuroscience Abstracts*, 16, 943.
- Hurwitz, B.E., Saab, P.G., Phillips, D.J., Frame, C.A., Imia, A.L., Reineke, L.J. & Schneiderman, N. (1989). Hypertensive and normotensive cardiovascular response patterns underlying the blood pressure elevations to speech stressor. *Psychophysiology*, 26, S34.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N. (1989). A model of sensory-motor behavioral deficit and recovery following infarction of the primary somatosensory cortex. *Cerebral Blood Flow and Metabolism*. (Suppl 1), 9, S269.
- Hurwitz, B.E., Ward, M.F., McCabe, P.M., & Schneiderman, N. (1988). Changes in Systolic Time Intervals and T-wave Amplitude during Sympathetic and Parasympathetic Pharmacological Blockade. *Psychophysiology*, 25, 456.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N. (1988). Amphetamine enhances behavioral recovery from sensory-motor deficit resulting from infarction of primary somatosensory cortex. *Neuroscience Abstracts*, 14, 1132.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., & Schneiderman, N. (1987). CNS plasticity and behavioral deficit following photochemical infarction of the whisker cortical barrel-fields. *Neuroscience Abstracts*, 13, 1594.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., & Schneiderman, N. (1986). Behavioral consequences of photochemically induced cortical whisker barrel-field infarction. *Neurosciences Abstracts*, 12, 1285.
- LeBlanc, W.G., Hurwitz, B.E., McCabe, P.M., & Schneiderman, N. (1985). Role of the carotid sinus baroreceptors and the internal and external carotid arteries in the cerebral ischemic response. *Neuroscience Abstracts*, 11, 197.
- Hurwitz, B.E. & Berg, W.K. (1984). Developmental changes in apnea and bradycardia elicited by facial cooling in healthy sleeping infants. *Psychophysiology*, 21, 583.
- Hurwitz, B.E. & Berg, W.K. (1983). Apnea and bradycardia elicited by facial cooling: The infant dive reflex? *Psychophysiology*, 20, 447-448.
- Hurwitz B.E. (1981). The effect of inspiration and posture on cardiac rate and T-wave amplitude during apneic breath-holding in man. *Psychophysiology*, 18, 179.

13c. Manuscripts under review or preparation

- Schultz, L.M., **Hurwitz**, B.E., Gonzalez, N., Martin, P., Gonzalez, A., Skyler, J.S., Schneiderman, N. (manuscript under preparation). Preclinical cardiovascular risk in HIV/AIDS: Impact of cocaine use, abuse and dependency. *Metabolic Syndrome and Related Disorders*.
- Rusiewicz, A., **Hurwitz**, B.E., Marks, J.B., LaGreca, A.M., Llabre, M.M., Delamater, A.M.

(manuscript under preparation). Disease-specific stress, dysphoria, adherence to diabetes self-care behaviors and glycemic control in adults with type 1 diabetes. *Diabetes Research and Clinical Practice*.

Coryell, V.T., **Hurwitz**, B.E., Llabre, M.M., Delamater, A.M. Wohlgemuth, W.K., Marks, J.B. Gonzalez, A. (manuscript under preparation). The Role of Psychological Distress and Eating Styles in Central Obesity and Indices of Cardiometabolic Risk. *International Journal of Obesity*.

Hurwitz, B.E., Karnatovskaia, L., Marks, J.B., Bilsker, M.S., Skyler, J.S., Parker, M., Henry, N.D., Kibler, J.L., Rusiewicz, A., Klaus, J.R., Johnson, L.M., Schneiderman, N. (manuscript under preparation). Cardiac structural and functional alterations in Type 1 diabetic men and women who have diminished parasympathetic outflow despite long-term moderate to good glycemic control. *Diabetes Care*.

PROFESSIONAL

14. Funded Research Performed

14a. Current Research Support

NHLBI, RO1, HL104199A, Epidemiologic Determinants of Cardiac Structure and Function Among Hispanics

B.E. Hurwitz, Miami-Site P.I., 5% Effort (C.J. Rodriguez, Overall P.I.)

Total Support: \$2,956,254; Annual Support: \$686,006

Site Total Support: \$481,528; Site Annual Support: \$102,623

Total Period: 4/1/11 - 3/31/15

NHLBI, RO1, HL81917-03S1, Obesity, Metabolic Syndrome, Meal-Related Glycemia Supplement

B.E. Hurwitz, P.I., 0% effort

Total Support: \$114,070; Annual Support: \$40,328

Total Period: 02/01/09 - 1/31/11

UM Intramural, GRSA, Effect of Glycemic Loading on Hot Flush Frequency and Severity in Post-Menopausal Women

B.E. Hurwitz, P.I., 0% effort

Total Support: \$6,500

Total Period: 05/01/09 - 4/30/10

NHLBI, RO1, HL095127, Vascular Endothelial Dysfunction and Response to Exercise in HIV+ Children

B.E. Hurwitz, Co-Investigator, 5% effort (T.L. Miller, P.I.)

Total Support: \$1,147,500; Annual Support: \$382,500

Total Period: 09/25/08 - 06/30/11

NHLBI, RO1, HL081817, Obesity, Metabolic Syndrome, Meal-Related Glycemia

B.E. Hurwitz, P.I., 20% effort

Total Support: \$2,981,548; Annual Support: \$749,306

Total Period: 02/01/07 - 1/31/11

NHLBI, PO1, HL36588, Biobehavioral Bases of CHD Risk and Management

Core Title: Cardiovascular Measurement Core

B.E. Hurwitz, Core leader, 20% effort, (N. Schneiderman, P.I.)

Total Support: \$7,528,333; Annual Support: \$1,503,687

Total Period: 06/01/07 - 03/31/12

GlaxoSmithKline, 91407, Effect of an ICS on Endothelial Dysfunction in Cigarette Smokers

B.E. Hurwitz, Investigator, 0% effort, (A. Wanner, P.I.).

Total Support: \$50,625

Total Period: 03/12/09-6/30/10

14b. Research Support Pending

NHLBI, R01, HL109277, Stress-Induced Overeating

B.E. Hurwitz, P.I., 25% effort

Total Support: \$2,393,590; Annual Support: \$599,975

Total Period: 07/01/11 - 6/30/15

NIDDK, R21, DK089282, Insulin Resistance, Endothelial Progenitors & Vascular Endothelial Dysfunction

B.E. Hurwitz, P.I.

Total Support: \$412,500; Annual Support: \$206,250

Total Period: 07/01/10 - 6/30/12

14c. Past Research Support

Micah Batchelor, Vascular Inflammation & Endothelial Dysfunction & Response to Exercise in HIV-infected Children

B.E. Hurwitz, Investigator, 5% Effort (T. Miller, P.I.)

Total Support - \$450,000; Annual Support \$225,000

Total period: 01/01/07 - 12/31/09

NHLBI, RO1, HL72712, HIV/HCV Co-Infection: HAART and Cardiovascular Disease Pathophysiology

B.E. Hurwitz, P.I., 20% effort

Total Support: \$2,990,094; Annual Support: \$581,055

Total period: 9/30/02 - 8/31/07

NIH/NCRR, MO1, RR16587, General Clinical Research Center

Core Title: Clinical Physiology Core

B.E. Hurwitz, Core leader - 0% effort, (John Clarkson, P.I., Jay Skyler, Program Director)

Total Support: \$9,683,487; Annual Support: \$1,943,790

Total Period: 8/15/2002- 3/31/2006

NIDA, RO1, DA13138, Drug abuse, HIV, Selenium Supplementation & Cardiovascular Disease Risk

B.E. Hurwitz, P.I., 20% effort

Total Support: \$4,009,486; Annual Support: \$801,897

Total period: 8/01/00 - 6/30/06

NHLBI, PO1, HL36588, Biobehavioral Bases of CHD Risk and Management,

Core Title: Cardiovascular Measurement Core

B.E. Hurwitz, Core leader - 20% effort, (N. Schneiderman, P.I.)

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HURWITZ, Barry Elliot

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Total Support: \$6,472,695; Annual Support: \$1,294,539

Total Period: 07/01/01 - 06/30/06

NHLBI, RO1, HL65668, RBC Mass, Autonomic Nervous System Integrity & Syncope Susceptibility in
Chronic Fatigue Syndrome

B.E. Hurwitz, P.I., 20% effort

Total Support: \$1,825,959; Annual Support: \$456,490

Total Period: 11/1/00 - 7/31/04

NIDA, RO1, DA13138-03S1, Supplement to Drug abuse, HIV, Selenium Supplementation, &
Cardiovascular Disease Risk

B.E. Hurwitz, P.I., 0% effort

Total Support: \$113,626

Total period: 06/01/06 - 06/30/06

NIMH, PO1, MH49548, Behavioral management and stress responses in HIV/AIDS

Project Title: Acute Stress Responses in HIV Pre- and Post-CBSM

B.E. Hurwitz, Project Leader, 30% effort (Neil Schneiderman, P.I.)

Total Support: \$12,323,646; Annual support: \$2,953,082

Total period: 2/1/98 - 1/31/04

NHLBI, RO1, HL50183, Dynamic Autonomic Assessment in Diabetic Neuropathy

B.E. Hurwitz, P.I. - 25% effort

Total Support: \$760,995; Annual Support: \$185,147

Total Period: 8/1/95 - 7/31/00

NHLBI, PO1, HL36588, Biobehavioral Bases of CHD Risk and Management,

Project Title: Behavioral Reactivity in Relation to Indices of CHD Risk

B.E. Hurwitz, Project Leader and Co-core leader - 20% effort, (N. Schneiderman, P.I.)

Total Support: \$8,336,180; Annual Support: \$1,705,400

Total Period: 07/01/96 - 06/30/01

NIMH, PO1, MH49548, Behavioral Management and Stress Responses in HIV-1

B.E. Hurwitz, Co-Project Leader - 30% effort, (N. Schneiderman, P.I.)

Total Period: 2/1/93 - 1/31/98, Annual Support: \$781,125

NHLBI, PO1, HL36588, Psychophysiology of Cardiovascular Reactivity

B.E. Hurwitz, Co-Project Leader & Co-Core leader - 25% effort, (N. Schneiderman, P.I.)

Total Period: 07/01/91 - 06/30/96, Annual Support: \$825,031

NHLBI, RO1, HL44600, Biobehavior, Ethnicity, Hormones, and Blood Pressure

B.E. Hurwitz, Investigator - 20% effort, (R. Prineas, P.I.)

Total Period: 01/91 - 01/96, Annual Support: \$286,415

American Heart Association, GIA, Reorganization Following Focal Cerebral Ischemia in Rat
Neocortex B.E. Hurwitz, Consultant - 5% effort, no salary (E.J. Green, P.I.)

Total Period: 7/1/93 - 6/31/95, Annual Support: \$28,890

NIH, SIP, Small Instrument Grant: Ultrasound Imaging

B.E. Hurwitz, Co. P.I. - 0% effort

Total Period: 9/1/93 - 8/31/94, Total Support: \$25,730

NINCDS, Center Grant Project, NS05820-25, Research Center for Cerebral Vascular Disease

B.E. Hurwitz, Investigator - 10% effort (M.D. Ginsberg, P.I.)

Total Period: 8/1/91 - 7/31/94, Annual Support: (Center)\$750,000, Behavioral Core \$44,967

NHLBI, RU1, HL41335-03, Assessing Reactivity in Human Populations

B.E. Hurwitz, Investigator - 50% effort (N. Schneiderman, P.I.)

Total Period: 7/1/88 - 6/30/91, Annual Support: \$248,590

NIH, Biomedical Research Support Grant, S07 RR07022-22, Precision of Impedance

Cardiography for Assessing Cardiovascular Response to Behavioral Stressors

B.E. Hurwitz, P.I.

Total Period: 3/90 - 12/91, Total Support: \$6,000

15. Editorial Responsibilities

15a. Editorial

Journal of CardioMetabolic Syndrome, Associate Editor

2008 - present

International Diabetes Monitor, Associate Editor

2006 - present

15b. Editorial (Ad hoc)

AIDS Care

American Journal of Epidemiology

American Journal of Physiology: Regulatory, Integrative and Comparative Physiology

American Psychological Association (Division 38)

American Journal of Cardiology

Biological Psychology

Biological Psychology (Special Issue Editor)

Brain, Behavior, and Immunity

Cardiovascular Toxicology

Diabetes Research & Clinical Practice

Diabetologia

Health Psychology

Hypertension

International Congress of Behavioral Medicine

International Journal of Behavioral Medicine

Infectious Disease Reports

Journal of Antimicrobial Chemotherapy

Journal of Chronic Fatigue Syndrome

Psychoneuroendocrinology

Psychophysiology

Psychosomatic Medicine

Society of Behavioral Medicine

University of Miami Patent and Copyright Committee, Office of Technology Transfer

15c. Granting Agencies

Predocutorial Training at the Interface of the Behavioral and Biomedical Sciences (T32), NIH

Clinical and Integrative Cardiovascular Sciences Study Section, NIH

AIDS Drug Abuse and Metabolism, Special Emphasis Panel, NIH

The use of complementary and alternative medicine in the management of HIV/AIDS,
Special Emphasis Panel, NCCAM, NIH

AIDS, Clinical Studies, and Epidemiology Study Section, National Institutes of Health

AIDS Clinical Database PO1, Special Emphasis Panel, National Institute of Allergy and
Infectious Disease

Highly Active Antiretroviral Therapy (HAART) Cardiovascular Toxicities, Special Emphasis
Panel, National Heart Lung and Blood Institute

Chronic Fatigue and Immune Dysfunction Syndrome Association of America, Special Emphasis
Panel

Chronic Fatigue Syndrome/ Fibromyalgia Special Emphasis Panel, National Institutes of Health
Neurological Complications of Diabetes, National Institute of Neurological Disorders and Stroke
Stress & Cardiovascular System Special Emphasis Panel, National Heart Lung and Blood
Institute

Cardiovascular Regulation Special Emphasis Panel, National Heart Lung and Blood Institute

Cardiovascular Regulation Special Emphasis Panel, National Heart Lung and Blood Institute, Chair
Standing Subcommittee on Biomedical Devices, Florida High Technology and
Industry Council

15d. Textbooks (Ad hoc)

Allyn & Bacon

Random House

Sage Publications

15e. Other Editorial Activities

Scientific review for protocols submitted to the VA Medical Center Institutional Review Board

Scientific review for protocols submitted to the General Clinical Research Center Institutional
Review Board

The Anthony Marchionne Foundation, Small Grants Program

Institute for Women's Health, Intramural Grants Program

16. Professional and Honorary Organizations

American College of Nutrition	member	2007 - 2009
International Association for Chronic Fatigue Syndrome	member	2005 - present
Society of Behavioral Medicine	member	2003 - present
Academy of Behavioral Medicine Research	fellow	2002 - present
American Psychosomatic Society	member	2000 - present
Society for Psychophysiological Research	member	1979 - present

17. Honors and Awards (award, institution, years awarded)

Nominated for the Excellence in Graduate Teaching Award

Department of Psychology, University of Miami 2007

Secondary appointment in School of Medicine, University of Miami 2003

Elected Fellow of the Academy of Behavioral Medicine Research 2002

Nominated for the Excellence in Teaching Award

Department of Psychology, University of Miami 1997

Secondary appointment in Department of Biomedical Engineering,

University of Miami 1993

NHLBI Post-Doctoral Research Fellowship, Program in Cardiovascular

Behavioral Medicine, University of Miami	1986-1989
American Heart Association Post-Doctoral Research Fellowship, Florida Affiliate, University of Miami	1984-1986
University of Florida Pre-doctoral Fellowship, Graduate College Sponsored Research	1984
Post-Graduate Scholarship Natural Sciences and Engineering Research Council of Canada, University of Florida	1981-1983

18. Post-doctoral fellowships (institution, year, main research area)

University of Miami	1986 - 89	Cardiovascular Psychophysiology
University of Miami	1984 - 86	Cardiovascular Psychobiology

19. Other Professional Activities

19a. Conference Proceedings

Montenegro-Perdomo, A., Salgueiro, L., Florez, H., Troen, B.R., Hurwitz, B. Relationship of Insulin Resistance and Metabolic Syndrome with Endothelial Progenitor Cells and Flow-Mediated Vasodilation. Paper presented at the Arteriosclerosis, Thrombosis and Vascular Biology annual meeting of the American Heart Association, San Francisco, CA, April, 2010.

Coryell, V., Gonzalez, A., Gonzalez, N., Llabre, M., & Hurwitz, B. The role of eating style in central obesity and insulin resistance. Paper presented at the 31st annual proceedings of the Society of Behavioral Medicine, Seattle, Washington, April, 2010.

Coryell, V.T., Hurwitz, B.E., Parker, M., Martin, P., LaPerriere, A., Klimas, N.G., Sfakianakis, G.N., & Bilsker, M.S. Chronic Fatigue Syndrome: Illness severity, sedentary lifestyle, blood volume and cardiac structure and function. Paper presented at the 67th annual meeting of the American Psychosomatic Society, Chicago, IL, March, 2009.

Florez, H., Salgueiro, L., Oropesa, L., Roos, B., Troen, B., Hurwitz, B. Subclinical inflammation moderates the relationship of insulin resistance with endothelial progenitor cell number. Paper presented at the 2nd Annual University of Miami, Miller School of Medicine, Cardiovascular Research Symposium, Miami, FL, March, 2009.

Hurwitz, B.E., Klaus, J.R., Llabre, M.M. Selenium Supplementation Suppresses HIV-1 Viral Load Following 18 Months of Treatment: The Mediational Role of Cytotoxic T cell Activation. Paper presented at the 17th annual conference of the International AIDS Society, Mexico City, Mexico, August, 2008.

Schultz, L., Coryell, V., Patterson, A., Gonzalez, A., Baez-Garcia, C., Gonzalez, N., Hurwitz, B. Linkages to HIV Antiretroviral Adherence and Disease Severity: Ethnic Identity, Beliefs and Attitudes about Medicine, and Psychological Distress. Paper presented at the 29th annual meeting of the Society of Behavioral Medicine, San Diego, CA, March, 2008.

Coryell, V., Schultz, L., Wohlgemuth, W., Gonzalez, N., Lawrence, R., Martin, P., Klimas, N., Hurwitz, B. Vital Exhaustion, Sleep Disturbances and Inflammatory Biomediators in Chronic Fatigue Syndrome. Paper presented at the 29th annual meeting of the Society of Behavioral Medicine, San Diego, CA, March, 2008.

Greeson, J., Llabre, M.M., Hurwitz, B. (2008). Perceived stress, anxiety, depression, and anger

relate to greater inflammation in HIV+ adults treated with combination drug therapy. Paper presented at the 66th annual meeting of the American Psychosomatic Society, Baltimore, MD, March, 2008.

Lin, H., Llabre, M.M., Schneiderman, N., Hurwitz, B.E (2008). Do anger and social support predict metabolic syndrome in healthy middle-aged adults? Paper presented at the 66th annual meeting of the American Psychosomatic Society, Baltimore, MD, March, 2008.

Lin, H., Llabre, M. M., Hurwitz, B. E., Schneiderman, N. Anger, social support, and metabolic syndrome in healthy middle aged adults: the role of perceived stress. Paper presented at the Tenth International Congress of Behavioral Medicine, Tokyo, Japan, August, 2008.

Gutt, M., Wachowiak, P., Hurwitz, B., Gellman, M., Robinson, E.V., Parker, M., Schneiderman, N. Left ventricular diastolic dysfunction in a multi-ethnic cohort of post-myocardial infarction patients: Linkage with insulin metabolic function. Paper presented at the Tenth International Congress of Behavioral Medicine, Tokyo, Japan, August, 2008.

Hurwitz, BE. Selenium supplementation and HIV-1 viral load progression: The Miami Selenium for Heart & Immune Health Trial (MIASEL). Invited address to the 48th annual meeting of the American College of Nutrition, Lake Buena Vista, FL, September, 2007.

Hurwitz, B.E. Distress, inflammation, oxidative stress & immune reconstitution in HIV/AIDS. Paper presented at the 65th annual meeting of the American Psychosomatic Society, Budapest, Hungary, March, 2007.

Klaus, J., Hurwitz, B., Llabre, M., Schneiderman, N., Gonzalez, A., Baez-Garcia, C., Gonzalez, N., Henry, N. Behavioral Predictors of Central Obesity in an Ethnically Diverse Cohort of Healthy Men and Women. Twenty-eighth Annual Proceedings of the Society for Behavioral Medicine, Washington, DC, March, 2007.

Lin, H., Llabre, M.M., Schneiderman, N., Hurwitz, B.E. Do psychological factors predict blood pressure recovery from acute stress in healthy men and women? Paper presented at the 65th annual meeting of the American Psychosomatic Society, Budapest, Hungary, March, 2007.

Hurwitz, B.E. Therapeutic Effect of Epoetin Alpha on Red Blood Cell Volume, Perceived Fatigue & Susceptibility to Syncope in Chronic Fatigue Syndrome: Miami Epoetin Alpha Clinical Trial. Paper presented to the 8th International IACFS Conference on Chronic Fatigue Syndrome, Fibromyalgia and other Related Illnesses. Ft Lauderdale, FL, January, 2007.

Hurwitz, B.E. Clinical Trials in Chronic Fatigue Syndrome: Overview. Invited address to the 8th International IACFS Conference on Chronic Fatigue Syndrome, Fibromyalgia and other Related Illnesses. Ft Lauderdale, FL, January, 2007.

Hurwitz, BE., Wohlgemuth, W., Klimas, N., Lawrence, R., Martin, P., Baez-Garcia, C., Lawrence, P., Sfakianakis, G., Schneiderman, N. (2006). Low Blood Volume, sleep disturbances, and perceived fatigue in chronic fatigue syndrome: Role of proinflammatory mediators. Paper presented at the Ninth International Congress of Behavioral Medicine, Bangkok, Thailand, November, 2006.

Schneiderman, N., Gellman, M., Goldberg, R., Gutt, M., Hurwitz, B., Klaus, J., Llabre, M., Saab, P. Metabolic syndrome variables and disease processes. Paper presented at the Ninth International Congress of Behavioral Medicine, Bangkok, Thailand, November, 2006.

Johnson, L.M., Hurwitz, B.E., Bilsker, M. Skyler, J., Gonzalez, A., Parker, M., Gonzalez, N., Marks, J., & Schneiderman, N. Preclinical differences in metabolic syndrome measures of cardiovascular disease risk in hyper- and normo-cold pressor reactors. Paper presented at the 64th annual meeting of the American Psychosomatic Society, Denver, CO, March, 2006.

Greeson, J., Llabre, M., Maher, K., Gonzalez, N., Lawrence, P., Baez-Garcia, C., Schneiderman, N., & Hurwitz, B. Psychological distress and HIV pathogenesis: Role of cytotoxic T-cell activation and antiviral-inflammatory cytokine production. Paper presented at the 64th annual meeting of the American Psychosomatic Society, Denver, CO, March, 2006.

Hurwitz, BE. Inflammation, Oxidative Stress, and Heart Disease Risk in HIV/AIDS: Role of Antiretroviral Therapy. Paper presented at the Thirteenth Annual Meeting of the Psychoneuroimmunology Research Society, Miami Beach, FL, May, 2006.

Klaus, J., Hurwitz, B., Llabre, M., Schneiderman, N., Goldberg, R., Skyler, J., Bilsker, M. Hypertensive risk: A model of stress, inflammation and the metabolic syndrome across sex and ethnicity. Twenty-seventh Annual Proceedings of the Society for Behavioral Medicine, San Francisco, CA, March, 2006.

Greeson, J., Llabre, M., Klimas, N., Lawrence, P., Gonzalez, A., Martin, P., Schneiderman, N., & Hurwitz, B. Psychological distress and HIV disease progression: role of natural killer cell immunity. Paper presented at the 63rd annual meeting of the American Psychosomatic Society, Vancouver, British Columbia, March, 2005.

Hurwitz, B., Klimas, N., Lawrence, R., Sfakianakis, G., Gonzalez, N., Gonzalez, A., Lawrence, P., Streeten, D. & Schneiderman, N. Heightened Prevalence of Normocytic Normochromic Anemia in Chronic Fatigue Syndrome: The Epoetin Alpha Clinical Trial. Paper presented to the American Association of Chronic Fatigue Syndrome, Madison, WI, October, 2004.

Hurwitz, B. Behavioral Factors, Proinflammatory Processes, and Oxidative Stress in Cardiac Disease. Paper presented at the meeting of the Academy of Behavioral Medicine, Jackson Hole, WY, June, 2004

Hurwitz, BE, Klimas, NG, Llabre, MM, Maher, KJ, Skyler, JS, Bilsker, MS, McPherson-Baker, S, Lawrence, PJ LaPerriere, AR, Greeson, JM, Klaus, JR, Lawrence, R, Schneiderman, N. HIV, Metabolic Syndrome X, Inflammation, Oxidative Stress, and Coronary Heart Disease Risk: Role Of Protease Inhibitor Exposure. Paper presented at the 6th International Workshop on Adverse Drug Reactions and Lipodystrophy in HIV, Washington, DC, October, 2004.

Greeson, J., Maher, K., Llabre, M., Lawrence, P., Baez-Garcia, C., Martin, P., Hernandez-Cassis, S., Gonzalez, N., Schneiderman, N., Hurwitz, B. (2004). Psychological distress predicts immunological markers of HIV disease progression. Paper presented to the 62nd Annual Meeting of the American Psychosomatic Society, Orlando, FL.

Greeson, J.M., Siegel, S.D., Llabre, M.M., Maher, K.J., Schneiderman, N., & Hurwitz, B.E. (2004).

Mechanism of stress-induced immunocellular reactivity in HIV+ men and women: a latent growth modeling approach. Paper presented at the Eighth International Congress of Behavioral Medicine, Mainz, Germany.

Greeson, J., LaPerriere, A., Maher, K., Henry, N., Lawrence, P., Klaus, J., Moose, J., Hernandez-Cassis, S., Fletcher, M., Klimas, N., Schneiderman, N. & Hurwitz, B. (2003) Cognitive-behavioral stress management influences viral load and CD8 cells: 10-week treatment effects in HIV+ men and women. Paper presented to the 61st Annual Meeting of the American Psychosomatic Society, Phoenix, AZ.

Hurwitz, B., Greeson, J., LaPerriere, A., Maher, K., Fletcher, M.A., Hernandez-Cassis, S., Klaus, J., Karnatovskaia, L., Lawrence, P., Henry, N., Gonzalez, N., & Schneiderman, N. (2003). Stress Management in HIV: Acute Immunocellular Trafficking and Function. Paper presented at the 111th Annual Convention of the American Psychological Association, Toronto, Canada.

Hurwitz, B.E. (2002). Psychoneuroimmunology/Cardiovascular Interface: Distress, Inflammation and Cardiovascular Disease Pathophysiology in HIV Spectrum Disease. Paper presented at the meeting of the Academy of Behavioral Medicine, Key Largo, Florida.

Rusiewicz, A., Marks, J., Lawrence, P., La Greca, A.M., Skyler, J., Schneiderman, N., & Hurwitz, B.E. (2002). Dysphoria and Adherence Predict Pre-clinical Cardiac Abnormalities in Adults with Type 1 Diabetes Mellitus. Twenty-third Annual Proceedings of the Society for Behavioral Medicine, Washington, DC.

Klaus, J., Parker, M., Moose, J., Henry, N., Gonzalez, N., Marks, J., Skyler, J., Bilsker, M., Schneiderman, N., Hurwitz, B.E. (2002). The role of obesity and insulin resistance in preclinical alterations of cardiovascular structure and function. Twenty-third Annual Proceedings of the Society for Behavioral Medicine, Washington, DC.

Karnatovskaia, L., Klaus, J., Rusiewicz, A., Henry, N., Gonzalez, N., Skyler, J., Schneiderman, N., & Hurwitz, B.E. (2002). Diminished Parasympathetic Function in Type 1 Diabetes Mellitus Moderates The Relationship Between Psychological Distress and Resting Epinephrine Levels. Twenty-third Annual Proceedings of the Society for Behavioral Medicine, Washington, DC.

Hurwitz, B.E. (2001). Validity of impedance cardiography for deriving cardiac systolic events using the aortic echogram as the standard of comparison. Paper presented at the Annual Congress of the German Society for Behavioral Medicine, Kiel, Germany.

Klaus, J., Parker, M., Gonzalez, A., Bilsker, M., Karnatovskaia, L., Rusiewicz, A., Schneiderman, N. & Hurwitz, B.E. (2001). Insulin sensitivity predicts endothelium-dependent vasodilatory function in healthy, normotensive men and women. Paper presented at the 41st annual meeting of the Society for Psychophysiological Research, Montreal, Canada.

Rusiewicz, A., Kibler, J., Klaus, J., Hurwitz, H., Schneiderman, N. & Hurwitz, B.E. (2001). Dysphoria, gender, sexual dysfunction and parasympathetic dysfunction in adults with Type I Diabetes Mellitus. Twenty-second Annual Proceedings of The Society for Behavioral Medicine, Seattle, WA.

Karnatovskaia, L., Rusiewicz, A., Kibler, J., Parker, M., Henry, N., Gonzalez, A., Hart, C., Marks, J.,

- Skyler, J., Schneiderman, N. & Hurwitz, B.E. (2001). Early in Type 1 Diabetes Mellitus progression, heart structure and functional abnormalities are predicted by diminished parasympathetic outflow. Twenty-second Annual Proceedings of The Society for Behavioral Medicine, Seattle, WA.
- Kibler, J.L., Hurwitz, B.E., Hart, C.T., Schneiderman, N., Bilsker, M.S. (2001). Low-cognitive appraisal of challenge corresponds with exaggerated diastolic blood pressure reactivity to an evaluative speech stressor in coronary artery disease. Twenty-second Annual Proceedings of The Society for Behavioral Medicine, Seattle, WA.
- Hurwitz, B.E. (2000). Psychosocial distress and immune function in HIV spectrum disease. Paper presented at the 12th annual meeting of the American Psychological Society, Miami Beach, FL.
- Baker, N., Brownley, K.A., Llabre, M.M., Gutt, M., Goldstein, R., Schneiderman, N., Donahue, R.P. & Hurwitz, B.E. (2000). Miami Community Health Study: Cardiovascular Reactivity in African-American, Cuban-American and White Men and Women, Paper presented at the Twenty-first Annual Proceedings of The Society for Behavioral Medicine, Nashville, TN.
- Davis, C.L., Llabre, M., Goldstein, R., Donahue, R., Prineas, R., Hurwitz, B.E. & Schneiderman, N. (2000). Differential LDL-SBP Relationships in Black and White Men. Paper presented at the Twenty-first Annual Proceedings of The Society for Behavioral Medicine, Nashville, TN.
- Hurwitz, B.E., Bilsker, M.S., Hart, C.T. & Schneiderman, N. (2000). Cardiac and Vascular Stress Reactor Type: Heart Structure, Low-Flow Circulatory Status, and Preclinical Cardiovascular Risk. Paper presented at the Sixth International Congress of Behavioral Medicine, Brisbane, Queensland, Australia.
- Hurwitz, B.E., Bilsker, M.S., Parker, M., Hart, C.T. & Schneiderman, N. (2000). Heart Structure and Function in Cardiac and Vascular Reactors to Stressful Challenge, Paper presented at the 58th Annual Scientific Meeting of the American Psychosomatic Society, Savannah, GA.
- Kibler, J.L., Henry, N.D., Gonzalez, A., Gonzalez, M.A., Rusiewicz, A., Brownley, K.A., Marks, J.B., Skyler, J.S., Schneiderman, N. & Hurwitz, B.E. (2000). Psychological, Physical, and Behavioral Predictors of Baroreceptor Sensitivity in Type I Diabetes Mellitus and Healthy Control Subjects, Paper presented at the 58th Annual Scientific Meeting of the American Psychosomatic Society, Savannah, GA.
- Klaus, J.R., Brownley, K.A., Baum, M.K., Motivala, S.J., Milanovich, J.R., Baker, N.A., Klimas, N.G., Schneiderman, N. & Hurwitz, B.E. (2000). Plasma Selenium Levels Predict Diminished Cardiac Function in HIV Spectrum Disease, Paper presented at the Twenty-first Annual Proceedings of The Society for Behavioral Medicine, Nashville, TN.
- Rusiewicz, A., Henry, N.D., Gonzalez, A., Llabre, M.M., Brownley, K.A., Skyler, J., LaGreca, A.M., Schneiderman, N. & Hurwitz, B.E. (2000). Diabetes-specific Perceived Stress, Adherence and Glycemic Control in Type I Diabetes Mellitus, Paper presented at the Twenty-first Annual Proceedings of The Society for Behavioral Medicine, Nashville, TN.
- Kibler, J., Henry, N., Gonzalez, A., Gonzalez, M., Rusiewicz, A., Brownley, K., Marks, J., Skyler, J., Schneiderman, N. & Hurwitz, B.E. (2000). Psychological, Physical, and Behavioral

Predictors of Baroreceptor Sensitivity in Type I Diabetes Mellitus, Paper presented at the 58th Annual Scientific Meeting of the American Psychosomatic Society, Savannah, GA.

Vallenilla, C.T., Parker, M., Kibler, J.L., Bilsker, M.S., Brownley, K.A., Llabre, M.M., Schneiderman, N., Motivala, S.J. & Hurwitz, B.E. (1999). Myocardial structural determinants of cardiovascular performance in response to speech stress. Paper presented at the 20th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Brownley, K.A., Milanovich, J.R., Klimas, N.G., Maher, K., Fletcher, M.A., Motivala, S.J., Schneiderman, N. & Hurwitz, B.E. (1999). CD38+ and CD38- phenotypes of the CD8+HLA/DR+ lineage, stress hormones, HIV symptoms and HIV disease progression. Paper presented at the 20th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Kibler, J.L., Hurwitz, B.E., Llabre, M.M., Kuskin, K.L., Gonzalez, M.A., Gonzalez, N.L., Marks, J.B., Skyler, J.S., & Schneiderman, N. (1999). Dysphoria, social support, and Type I diabetes duration suppress the relationship of baroreceptor function to pain perception. Paper presented at the 20th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Baker, N., Brownley, K.A., Llabre, M.M., Schneiderman, N., Donahue, R.P. & Hurwitz, B.E. (1999). Miami Community Health Study: Cardiovascular reactivity in African-American, Cuban-American, and White men and women. Paper presented at the 20th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.

Hurwitz, B.E., Doherty, K., & Schneiderman, N. (1998). Reactor status and age predict differences in lipid profiles, resting hemodynamic functioning, and cardiovascular reactivity in normotensive men and women. Paper presented to the Fifth Annual Proceedings of the International Congress of Behavioral Medicine, Copenhagen, Denmark.

Brownley, K.A., Hurwitz, B.E., Fletcher, M.A., Kumar, M., Klimas, N., Milanovich, J.R., Motivala, S.J., LeBlanc, W.G. & Schneiderman, N. (1998). Selective sympathetic disruption of the immunological response to speech stress in HIV spectrum disease. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.

Gallagher, C.K., Hurwitz, B.E., Gutt, M., Marks, J.B., Llabre, M.M., Skyler, J.S., Davis, C., Landel, J., Leo, T., Gellman, M.D. & Schneiderman, N. (1998). Cardiovascular response to stress and insulin metabolic syndrome in gestational diabetes mellitus. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.

Goldstein, R., Llabre, M.M., Donahue, R.P., Milanovich, J.R., Kibler, J.L., Motivala, S.J., Kibler J.L., Kuskin, K.L., Marks, J.B., Cazzaniga, A., Skyler, J.S., Schneiderman, N. & Hurwitz, B.E. (1998). Pain and cardiovascular reactivity to cold pressor stress in insulin dependent diabetes mellitus. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.

Hurwitz, B.E., Brownley, K.A., Fletcher, M.A., Klimas, N., Motivala, S.J., Milanovich, J.R., LeBlanc, W.G. & Schneiderman, N. (1998). Low-flow circulatory state distinguishes abnormal immunocellular responses to stress in HIV spectrum disease. Paper presented at the fifty-sixth Annual Meeting of the American Psychosomatic Society, Clearwater Beach, FL.

Milanovich, J.R., Hurwitz, B.E., Motivala, S.J., Klimas, N.G., Fletcher, M.A., LeBlanc, W.G., Kuskin,

- K., Fillion, L., Brownley, K.A., Freshwater, S., & Schneiderman, N. (1998). Integrity of autonomic function in HIV-1 spectrum disease. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.
- Motivala, S.J., Hurwitz, B.E., Milanovich, J.R., Brownley, K.A., Fletcher, M.A. & Schneiderman, N. (1998). Cardiac stress responders display greater natural killer cell reactivity to a speech stressor. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.
- Goldstein, R., Llabre, M.M., Donahue, R.P., Milanovich, J.R., Kibler, J.L., Motivala, S.J., Vallenilla, C.T., Stern, N., Prineas, R.J., Schneiderman, N. & Hurwitz, B.E. (1998). Cross-validation of a model of autonomic and cardiovascular function in men and women. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.
- Vallenilla, C.T., Hurwitz, B.E., Doherty, K., Agramonte, R., Gutt, M., Marks, J.B., Gellman, M., & Schneiderman, N. (1998). Insulin sensitivity, central obesity, and cardiovascular reactivity in hypertension. Paper presented to the nineteenth annual proceedings of the Society of Behavioral Medicine, New Orleans.
- Goldstein, R., Llabre, M.M., Donahue, R.P., Schneiderman, N., Prineas, R.J., & Hurwitz, B.E. (1997). A model of autonomic regulation of cardiovascular function in White, Black, and Cuban men. Paper presented to the eighteenth annual proceedings of the Society of Behavioral Medicine, San Francisco.
- Motivala, S.J., Hurwitz, B.E., Fletcher, M.A., Ironson, G., Klimas, N., Milanovich, J.R., Schneiderman, N. (1997). Cardiovascular and immune reactivity to an evaluative speech stressor in Black, Hispanic, and White men and women. Paper presented to the eighteenth annual proceedings of the Society of Behavioral Medicine, San Francisco.
- Kibler, J.L., Hurwitz, B.E., Schneiderman, N., Lakhani, M.N., Peckerman, A., Keels, D., Reddy, S.P., Agatston, A.S., Nagel, J.H.(1997). Hypertensive status does not affect validity of impedance cardiography derived systolic time intervals. Paper presented to the eighteenth annual proceedings of the Society of Behavioral Medicine, San Francisco.
- Vallenilla, C.T., Hurwitz, B.E., Bilsker, M.S., Nagel, J.H., Kibler, J.L., Motivala, S.J., Gellman, M.D., & Schneiderman, N. (1997). Stroke volume validation of impedance cardiography compared with pulsed-Doppler echocardiography in healthy men and women. Paper presented to the eighteenth annual proceedings of the Society of Behavioral Medicine, San Francisco.
- Dettmer, E.L., Antoni, M.H., Motivala, S.J., Milanovich, J.E., Graves, J., Fillion, L., Schneiderman, N., Hurwitz, B.E. (1997). The use of the Millon Behavioral Health Inventory to operationalize emotional expression styles in HIV infected persons: Concurrent validity and generalizability. Paper presented to the eighteenth annual proceedings of the Society of Behavioral Medicine, San Francisco.
- Hurwitz, B.E., Mills, P.J., Redwine, L.S., Ottaway, C.A.(1996). Stress and the acute cellular immuno-reactivity. Paper presented to the Fourth Annual Proceeding of the International Congress of Behavioral Medicine, Washington, DC.

- Hurwitz, B.E., Antoni, M. H., Fletcher, M.A., Kumar, M., Graves, J.A., Milanovich, J.R., Motivala, S. J., Schneiderman, N. (1996). Stressor-induced immune response patterning in HIV-1 seropositive and seronegative individuals. Paper presented to the Fourth Annual Proceeding of the International Congress of Behavioral Medicine, Washington, DC.
- Fillion, L. Hurwitz, B.E., Antoni, M. H., Fletcher, M.A., Graves, J.A., Klimas, N.G., Schneiderman, N. (1996). Reliability and validity of the SARS in assessing the cognitive appraisal of HIV status. Paper presented to the Fourth Annual Proceeding of the International Congress of Behavioral Medicine, Washington, DC.
- Kumar, M., Antoni, M. H., Kumar, A.M., Cruess, D., Fletcher, M.A., Hurwitz, B.E., Schneiderman, N. (1996). Circadian changes in cortisol and DHEA-S in HIV-1 infection. Paper presented to the Fourth Annual Proceeding of the International Congress of Behavioral Medicine, Washington, DC.
- Kibler, J.L., Hurwitz, B.E., Reddy, S.P., Nagel, J.H., Peckerman, A., Agatston, A.S., Keels, D., Schneiderman, N. (1996). Impedance cardiography yields valid systolic time interval measures at rest and during stressful challenge. Paper presented to the Fourth Annual Proceeding of the International Congress of Behavioral Medicine, Washington, DC.
- Hurwitz, B.E. (1995). Impedance Cardiography: Applications of Cardiovascular Assessment. Invited address presented at the Annual Meeting of the Academy of Behavioral Medicine Research, Williamsburg, VA, June. (Invited address)
- Fillion, L., Hurwitz, B.E., Fletcher, M.A., Graves, J.A., Motivala, S., Milanovich, J., Klimas, N.G., & Schneiderman, N. (1995). Infection au VIH, facteur cognitif et reactivite cardiovasculaire et immunitaire, lors d'une exposition a un bref stresser. Paper presented at the twenty-fifth annual meeting of the Association de Psychologie Scientifique de Langue Francaise, Coimbra, Portugal, September.
- Hurwitz, B.E., Graves, J.A., Fletcher, M.A., Klimas, N., Steffen, B.S., Fillion, L., Leitten, C.L., Schneiderman, N. (1995). Behavioral, postural, and reflex challenges reveal cardiovascular abnormalities in the progression of HIV-1 infection. Paper presented at the fifty-third Annual Meeting of the American Psychosomatic Society, New Orleans, LA, March.
- Wohlgemuth, W., Llabre, M.M., Saab, P.G., Hurwitz, B.E. & Schneiderman, N. (1995). The stability of recovery from the foot cold pressor: An application of multivariate generalizability theory. Paper presented at the sixteenth Annual Proceedings of The Society for Behavioral Medicine, San Diego, March.
- Hurwitz, B.E., Nagel, J.H., Reddy, S.P., Shyu, L-Y., Leitten, C.L., Keels, D.L., Peckerman, A. & Schneiderman, N. (1994). Methodology and application of impedance cardiography: Toward study of the dynamic aspects of cardiovascular function. Paper presented at the third annual meeting of the International Congress of Behavioral Medicine. Amsterdam, The Netherlands, July.
- Kumar, M., Kumar, A.M., Antoni, M., Morgan, R., Hurwitz, B.E., Ironson, G., Gellman, M., Eisdorfer, C. & Schneiderman, N. (1994). Neuroendocrine reactivity to challenge in HIV-1 seropositive and seronegative gay men. Paper presented at the third annual meeting of the

International Congress of Behavioral Medicine. Amsterdam, The Netherlands, July.

Peckerman, A., Han, K., Nagel, J.H., Hurwitz, B.E., Keels, D., Leitten, C., Agatston, A.S. & Schneiderman, N. (1994). Diminished integration of respiratory fluctuations in blood pressure and heart rate in hypertension: An adaptive filtering analysis. Paper presented at the third annual meeting of the International Congress of Behavioral Medicine. Amsterdam, The Netherlands, July.

Schneiderman, N., Starr, K., Antoni, M., Hurwitz, B.E., Rodriguez, M., Ironson, G., Kumar, M. & Fletcher, M. (1994). Immunologic reactivity to behavioral challenges as a function of HIV serostatus. Paper presented at the third annual meeting of the International Congress of Behavioral Medicine. Amsterdam, The Netherlands, July.

Massie, C.A., Llabre, M.M., Hurwitz, B.E. & Schneiderman, N. (1994). Using confirmatory factor analysis to identify cardiovascular autonomic factors in African-American and White men at rest. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Peckerman, A., Hurwitz, B.E., Saab, P.G., Llabre, M.M. & Schneiderman, N. (1994). Statistical modeling of cardiovascular response to a complex lab stressor using multiple regression. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Wohlgemuth, W.K., Llabre, M.M., Saab, P.G., Hurwitz, B.E. & Schneiderman, N. (1994). Recovery of the cardiovascular system from the cold pressor: Multivariate generalizability of the cardiovascular system at baseline. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Evans, J.D., Green, P.A., Saab, P.G., Llabre, M.M., Hurwitz, B.E. & Schneiderman, N. (1994). The influence of race and gender on recovery to challenge. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Donahue, R.D., Gutt, M., Donahue, R.P., Prineas, R.J., Bean, J., Hurwitz, B.E. & Schneiderman, N. (1994). Blood pressure reactivity in a triethnic population: The Miami Community Health Study. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Yount, S.E., Ironson, G., Phillips, D., Hurwitz, B.E., Evans, J., Olsson Istel, M., O'Nan, P.A. & Schneiderman, N. (1994). Stress-induced catecholamine and cardiovascular responses during eating. Paper presented at the 15th annual meeting of the Society for Behavioral Medicine. Boston, MA, April.

Haythornthwaite, J.A., Lipp, M.N., Hurwitz, B.E. & Anderson, D.E. (1994). Cardiovascular responses preparing for and responding to social challenges. Paper presented at the 52 annual meeting of the American Psychosomatic Society. Boston, MA, April.

Hurwitz, B.E., Massie, C.A., Llabre, M.M. & Schneiderman, N. (1993). Autonomic Balance: A factor analysis of resting cardiovascular regulation reveals high risk cardiovascular profiles. Paper presented to the 33rd annual meeting of the Society for Psychophysiological Research,

Rottach-Egern, Germany, October.

- Hurwitz, B.E., Han, K., Nagel, J., Schneiderman, N. (1993). Continuous estimation of dynamic changes in cardiac parasympathetic input. Paper presented to the 33rd annual meeting of the Society for Psychophysiological Research, Rottach-Egern, Germany, October.
- Starr, K., Antoni, M., Rodriguez, M., Hurwitz, B.E., Ironson, G., Fletcher, M., & Schneiderman, N. (1993). Immunologic reactivity to two different behavioral challenges among HIV-1 seropositive and seronegative gay men. Paper presented at the 14th annual meeting of the Society for Behavioral Medicine. San Francisco, CA, March.
- Peckerman, A., Hurwitz, B.E., Saab, P.G. & Schneiderman, N. (1993). Ratings of pain modify the forehead cold pressor response as a function of pain intensity. Paper presented at the 14th annual meeting of the Society for Behavioral Medicine. San Francisco, CA, March.
- McCabe, P.M., Markgraf, C.G., Green, E.J., Hurwitz, B.E., Morikawa, E., Dietrich, W.D., Ginsberg, M.D. & Schneiderman, N. (1993). Sensorimotor and cognitive consequences of middle cerebral artery occlusion in rats. Paper presented to the 4th annual meeting of the Spring Brain Conference, Orlando, FL, March.
- Peckerman, A., Hurwitz, B.E., Saab, P.G., McCabe, P.M., Llabre, M.M. & Schneiderman, N. (1992). Pain and associated cardiovascular responses during two types of the cold pressor test. Paper presented at the 13th annual meeting of the Society for Behavioral Medicine. New York, NY, March.
- Llabre, M.M., Saab, P.G., Hurwitz, B.E., Frame, C., Spitzer, S., Phillips, D., & Schneiderman, N. (1992). Stability of stroke volume, cardiac output, total peripheral resistance and heather index under different laboratory challenges: One year follow-up. Paper presented at the 13th annual meeting of the Society for Behavioral Medicine. New York, NY, March.
- Wohlgemuth, W.K., Llabre, M.M., Saab, P.G., Hurwitz, B.E., Durel, L. & Schneiderman, N. (1992). Differences in recovery to forehead cold pressor in black and white men. Paper presented at the 13th annual meeting of the Society for Behavioral Medicine. New York, NY, March.
- McCabe, P.M., Green, E.J., Dietrich, W.D., van Dijk, F., Busto, R., Ginsberg, M.D., Hurwitz, B.E., & Schneiderman, N. (1992). Global cerebral ischemia in rats: Behavioral deficits, recovery of function and potential interventions. Paper presented to the 3rd annual meeting of the Spring Brain Conference, Miami Lakes, FL, March.
- Nagel, J.H., Han, K., Hurwitz, B.E., & Schneiderman, N. (1992). Assessment and diagnostic applications of heart rate variability. Paper presented at the 1992 International symposium for Biomedical Engineering in the 21st Century, Taipei, Taiwan, September.
- Pazos, A.J., Green, E.J., Dietrich, W.D., McCabe, P.M., Earl, C.P., Watson, B.D., Hurwitz, B.E., Ginsberg, M.D., & Schneiderman, N. (1992). Effects of focal cerebral infarction of the frontal cortex on a vibrissae-dependent behavioral response in rats. Paper presented at the 22nd annual meeting of the Society for Neuroscience, Anaheim, CA, October.

- Hurwitz, B.E. (1991). Methods in impedance cardiography: Developing stable measures of cardiovascular reactivity patterns (workshop). Paper presented at the 12th annual meeting of the Society for Behavioral Medicine. Washington, D.C., March.
- Hurwitz, B.E., McCabe, P.M., Dietrich, W.D., & Schneiderman, N. (1991). Photochemical somatosensory cortical infarction: A model of sensory-motor behavioral deficit and recovery. Paper presented to the 2nd annual meeting of the Spring Brain Conference, Miami, FL, March.
- Ansley, J., Marks, J.A., Hurwitz, B.E., Thompson, N.E., Quillian, R.E., Olsson-Istel, G.M., Ashby, M., Spitzer, S., Fili, M., Donahue, R.D.P., Schneiderman, N. & Skyler, J.S. (1991). Insulin resistance and blood pressure. Paper presented at the 12th annual meeting of the Society of Behavioral Medicine, Washington, D.C., March.
- Hurwitz, B.E., Shyu, L-Y., Lu, C-C., Reddy, S.P., Schneiderman, N. & Nagel, J.H. (1991). Influence of signal fidelity on impedance cardiographically-derived values at resting and accelerated heart rates. Paper presented at the 13th annual international conference of the IEEE engineering in medicine and biology society, Orlando, FL, November.
- Han, K., Nagel, J.H., Hurwitz, B.E., & Schneiderman, N. (1991). Decomposition of heart rate variability by adaptive filtering for estimation of cardiac vagal tone. Paper presented at the 13th annual international conference of the IEEE engineering in medicine and biology society, Orlando, FL, November.
- Hurwitz, B.E., Marks, J.B., Freeman, C.R., LaGreca, A., Nagel, J.H., Agramonte, R.F., Schneiderman, N., & Skyler, J.S. (1991). Sympathetic dysfunction occurs early in the course of cardiovascular autonomic neuropathy. Paper presented at the 14th International Diabetes Federation Congress, Washington, DC, June.
- La Greca, A.M., Hurwitz, B.E., Freeman, C.R., Ireland, S., Agramonte, R.F., Marks, J.B., Schneiderman, N., & Skyler, J.S. (1991). Autonomic dysfunction in adults with IDDM: Implications for psychosocial functioning. Paper presented at the 14th International Diabetes Federation Congress, Washington, DC, June.
- Marks, J.B., Hurwitz, B.E., Ansley, J., Quillian, R.E., Thompson, N.E., Olsson-Istel, G.M., Spitzer, S., Schneiderman, N., & Skyler, J.S. (1991). Effects of induced hyperinsulinemia on blood pressure and sympathetic tone in healthy volunteers. Paper presented at the 14th International Diabetes Federation Congress, Washington, DC, June.
- Quillian, R.E., Marks, J.B., Hurwitz, B.E., Thompson, N.E., Ansley, J., Schneiderman, N., & Skyler, J.S. (1991). Acute effects of induced hyperinsulinemia on blood pressure and sympathetic tone in healthy men. Paper presented at the annual meeting of the Southern Society for Clinical Investigation, New Orleans, LA, January.
- Thompson, N.E., Marks, J.B., Hurwitz, B.E., Quillian, R.E., Ansley, J., Spitzer, S., Schneiderman, N., & Skyler, J.S. (1991). Insulin resistance dampens the acute effects of insulin on blood pressure regulation. Paper presented at the 14th International Diabetes Federation Congress, Washington, DC, June.
- Nelesen, R.A., Hurwitz, B.E., Saab, P.G., Gellman, M.D., McCabe, P.M. & Schneiderman, N.

- (1990). Hemodynamic Forces Supporting Blood Pressure Elevation to Three Behavioral Stressors. Paper presented at the annual meeting of the Society of Behavioral Medicine, Chicago, Il., April.
- Hurwitz, B.E., Shyu, L.-Y., Reddy, S.P., Schneiderman, N., & Nagel, J.H. (1990). Coherent ensemble averaging techniques for impedance cardiography. Paper presented to the third annual IEEE symposium on computer-based medical systems, Chapel Hill, NC, June.
- Freeman, C.R., Hurwitz, B.E., LaGreca, A.M., Nagel, J.H., Schneiderman, N., & Skyler, J. (1990). Defects in autonomic mediation of cardiovascular functioning in Type I diabetics. Paper presented to the 29th annual meeting of the Society for Psychophysiological Research, Boston, MA, October.
- Markgraf, C.G., Hurwitz, B.E., Morikawa, E., Dietrich, W.D., Ginsberg, M.D., McCabe, P.M., Schneiderman, N. (1990). Pattern of behavioral deficits following focal cerebral ischemia in rats: Sensorimotor integration and cognitive function. Paper presented to the 20th annual meeting of the Society for Neuroscience, St. Louis, Missouri, November.
- Hurwitz, B.E., Saab, P.G., Phillips, D.J., Frame, C.A., Imia, A.L., Reineke, L.J. & Schneiderman, N. (1989). Hypertensive and normotensive cardiovascular response patterns underlying the blood pressure elevations to speech stressor. Paper presented at the 28th annual meeting of the Society for Psychophysiological Research, New Orleans, LA, October.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N. (1989). A model of sensory-motor behavioral deficit and recovery following infarction of the primary somatosensory cortex. Paper presented at the 16th International Symposium on Cerebral Blood Flow and Metabolism, Bologna, Italy, May.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N. (1988). Amphetamine enhances behavioral recovery from sensory-motor deficit resulting from infarction of primary somatosensory cortex. Paper presented at the 18th annual meeting of the Society for Neuroscience, Toronto, Canada, November.
- Reddy, S.P., Shyu, L.Y., Hurwitz, B.E., Nagel, J.H., & Schneiderman, N. (1988). Improved reliability of impedance cardiography by new signal processing techniques. Paper presented at the annual international conference of IEEE Engineering in Medicine and Biology Society, New Orleans, LA., November.
- Hurwitz, B.E., Ward, M.F., McCabe, P.M., & Schneiderman, N. (1988). Changes in Systolic Time Intervals and T-wave Amplitude during Sympathetic and Parasympathetic Pharmacological Blockade. Paper presented at the 28th annual meeting of the Society for Psychophysiological Research, San Francisco, CA., October.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., Ginsberg, M.D. & Schneiderman, N. (1988). Effects of d-amphetamine after somatosensory infarction. Paper presented at the 16th Princeton Conference on Cerebrovascular Diseases, Miami, Fl, March.
- Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., & Schneiderman, N. (1987). CNS plasticity and behavioral deficit following photochemical infarction of the whisker cortical

barrel-fields. Paper presented at the 17th annual meeting of the Society for Neuroscience, New Orleans, LA., November.

Hurwitz, B.E., Dietrich, W.D., McCabe, P.M., Watson, B.D., & Schneiderman, N. (1986). Behavioral consequences of photochemically induced cortical whisker barrel-field infarction. Paper presented at the 16th annual meeting of the Society for Neuroscience, Washington, D.C., November.

Vera, P.L., Hurwitz, B.E., McCabe, P.M., & Schneiderman, N. (1986). Sympathoadrenal preganglionic neurons in the rabbit. Paper presented at the 16th annual meeting of the Society for Neuroscience, Washington, D.C., November.

LeBlanc, W.G., Hurwitz, B.E., McCabe, P.M., & Schneiderman, N. (1985). Role of the carotid sinus baroreceptors and the internal and external carotid arteries in the cerebral ischemic response. Paper presented at the 15th annual meeting of the Society for Neuroscience, Dallas, Texas, October.

Hurwitz, B.E. & Berg, W.K. (1984). Developmental changes in apnea and bradycardia elicited by facial cooling in healthy sleeping infants. Paper presented at the 24th Annual Meeting of the Society for Psychophysiological Research, Milwaukee, WI., October.

Hurwitz, B.E. & Berg, W.K. (1983). Apnea and bradycardia elicited by facial cooling: The infant dive reflex? Paper presented at the 23rd Annual Meeting of the Society for Psychophysiological Research, Pacific Grove, CA., September.

Berg, W.K. & Hurwitz, B.E. (1983). Development and Autonomic Control of Heart Rate Responding in Infant Rats: A possible animal model. Paper presented at the 23rd Annual Meeting of the Society for Psychophysiological Research, Pacific Grove, CA., September.

Hurwitz, B.E. & Berg, W.K. (1982). Development of sympathetic control of cardiac function in the preweanling rat. Paper presented at the 16th annual meeting of the International Society for Developmental Psychobiology, Minneapolis, Minn., November.

Hurwitz, B.E. & Berg, W.K. (1981). Comparisons of sympathetic blockers on cardiac responses in newborn rats. Paper presented at the 15th annual meeting of the International Society for Developmental Psychobiology, New Orleans, LA., November.

Hurwitz B.E. (1980). The effect of inspiration and posture on cardiac rate and T-wave amplitude during apneic breath-holding in man. Paper presented at the 20th Annual Meeting of the Society for Psychophysiological Research, Vancouver, B.C., October.

Hurwitz, B.E. & Furedy, J.J. (1978). The human dive reflex: An experimental, topographical and physiological analysis. Paper presented at the 18th Annual Meeting of the Society for Psychophysiological Research, Madison, WI., September.

Furedy, J.J., Hurwitz, B.E., & Jutai, J. (1977). Tilt as afferently "relevant" biofeedback for imaginal Pavlovian cardiac decelerations. Paper presented at the 86th annual meeting of the American Psychological Association, Toronto, Ontario, August.

19b. Invited Outside Lectureships and Symposia

Selenium supplementation and HIV-1 viral load progression: The Miami Selenium for Heart & Immune Health Trial (MIASEL). Paper presented at the 48th annual meeting of the American College of Nutrition, Lake Buena Vista, FL, September, 2007.

Clinical Trials in Chronic Fatigue Syndrome: Overview. Paper presented to the 8th International IACFS Conference on Chronic Fatigue Syndrome, Fibromyalgia and other Related Illnesses. Ft Lauderdale, FL, January, 2007.

Inflammation, oxidative stress and cardiovascular disease risk in HIV/AIDS. Paper presented to the HIV Research Forum of the Department of Immunology & Microbiology, University of Miami, Miami, FL, September, 2006.

HIV, Metabolic Syndrome, Heart Disease Risk and Anti-Retroviral Therapy. Paper presented to the Clinical Research Forum of the Department of Pediatrics, University of Miami, Miami, FL, October, 2005.

Heightened Prevalence of Normocytic Normochromic Anemia in Chronic Fatigue Syndrome: The Epoetin Alpha Clinical Trial. Paper presented to the American Association of Chronic Fatigue Syndrome, Madison, WI, October, 2004.

Behavioral Factors, Proinflammatory Processes, and Oxidative Stress in Cardiac Disease. Paper presented at the meeting of the Academy of Behavioral Medicine, Jackson Hole, WY, June, 2004.

Distress, Inflammation and Cardiovascular Disease Pathophysiology in HIV Spectrum Disease. Invited Address Investigator's Grand Rounds of the Department of Psychiatry and Behavioral Sciences, University of Miami, November, 2003.

Psychoneuroimmunology/Cardiovascular Interface: Distress, Inflammation and Cardiovascular Disease Pathophysiology in HIV Spectrum Disease. Paper presented at the meeting of the Academy of Behavioral Medicine, Key Largo, Florida.

HIV-1 viral load is a moderator of the relation between psychosocial distress and immune function in HIV spectrum disease. Paper presented to the Psychosomatiche Fachklinik, Bad Kreuznach, Germany, March, 2001.

Psychosocial distress and immune function in HIV spectrum disease. Paper presented in the Psychosocial Stress and Disease Processes symposium at the 12th annual meeting of the American Psychological Society, Miami Beach, FL, 2000.

Acute stress-endocrine-immune interactions: Implications for long-term regulation. Invited address presented at the Annual Meeting of the Academy of Behavioral Medicine Research, Cape Cod, MA, June, 1998.

Impedance Cardiography: Applications of Cardiovascular Assessment. Invited address presented at the Annual Meeting of the Academy of Behavioral Medicine Research, Williamsburg, VA, June, 1995.

Assessment of Autonomic and Cardiovascular Responses to Stressful Challenge. Invited address presented at the Annual Meeting of Stress and Coping, Miami, FL, February, 1995.

Methodology and application of impedance cardiography: Toward study of the dynamic aspects of cardiovascular function, Paper presented to the Third international congress of behavioral medicine, Amsterdam, July, 1994.

Cardiovascular behavioral Medicine: Acute responses to stressful challenges, at the Psychosomatische Fachklinik, Bad Kreuznach, Germany, October, 1993.

Chairman, Symposium on Impedance Cardiography, at the 13th annual international conference of the IEEE engineering in medicine and biology society, Orlando, FL, November, 1991.

Methodological issues in impedance cardiography as a tool for cardiovascular autonomic neuropathy. Paper presented to the SUNY/APA conference on cardiovascular reactivity to psychological stress and cardiovascular disease: A conference on the evidence, Buffalo, NY, April, 1991.

Methods in impedance cardiography: Developing stable measures of cardiovascular reactivity patterns (workshop). Paper presented at the 12th annual meeting of the Society for Behavioral Medicine. Washington, D.C., March, 1991.

19c. Thesis Research

Doctor of Philosophy: Apnea and bradycardia elicited by facial airstream stimulation in healthy infants in the first year of life: Implications for detection of infants at risk for Sudden Infant Death Syndrome. University of Florida, 1984.

Master of Science: Reinforcement of elicited heart rate deceleration: Conditioning of a human dive reflex component. Ohio University, 1980.

Honors Bachelor of Science: Cardiovascular responses to Apneic face immersion and breath holding: A psychophysiological analysis of the human dive reflex. University of Toronto, 1978.

TEACHING

20. Teaching Awards

20a. Awards

Nominated for the Excellence in Graduate Teaching Award, Department of Psychology, University of Miami, 2007

Nominated for the Excellence in Teaching Award, University of Miami, 1997

20b. Teaching Support

Instructional Advancement Center, University of Miami, Computer-Aided Curriculum in Experimental Psychology

B.E. Hurwitz, Co-P.I.

Total Period: 7/1/95 - 6/30/96, Annual Support \$2,270

20c. Training Grant Support

NIMH Training Grant, MH018917, Biopsychosocial Research Training in Immunology & AIDS
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Support: \$1,923,634; Annual Support \$374,267
Total Period: 7/1/09 - 6/30/14

NHLBI Training Grant, HL007426, Behavioral Medicine Research in Cardiovascular Disease
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Support: \$2,143,185; Annual Support \$408,896
Total Period: 7/1/09 - 6/30/14

20d. Past Training Grant Support

NIH Fogarty International Training Program in AIDS & TB
B.E. Hurwitz, Mentor (G. Shor-Posner, P.I.)
Total Support: \$3,024,000; Annual Support \$604,800
Total Period: 7/1/04 - 6/30/09

NIMH Training Grant, MH018917, Biopsychosocial Research Training in Immunology & AIDS
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Support: \$1,455,680; Annual Support \$291,136
Total Period: 7/1/04 - 6/30/09

NHLBI Training Grant, HL07426, Behavioral Medicine Research in Cardiovascular Disease,
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Support: \$1,604,808; Annual Support \$317,322
Total Period: 7/1/04 - 6/30/09

NIMH Training Grant in Biopsychosocial Research Training in Immunology and AIDS, B.E.
Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Period: 7/1/99 - 6/30/04, Annual Support \$246,041

NHLBI Training Grant in Behavioral Medicine Research in Cardiovascular Disease,
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Period: 7/1/99 - 6/30/04, Annual Support \$241,096

NIMH Training Grant (MH18917) in Biopsychosocial Research Training in Immunology and AIDS,
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Period: 7/1/93 - 6/30/98, Annual Support \$243,757

NHLBI Training Grant (HL07426) in Behavioral Medicine Research in Cardiovascular Disease,
B.E. Hurwitz, Preceptor (N. Schneiderman, P.I.)
Total Period: 7/1/93 - 6/30/98, Annual Support \$203,194

21. Teaching

Current and Past Teaching Responsibilities (listings with course numbers indicate courses taught at the University of Miami) nb: *currently taught on a regular basis

General Principles of Psychology as a Biological and Behavioral Science (PSY 102)

*Introduction to Psychobiology (PSY 202)

*Supervision of undergraduate research (PSY 367, PSY 368)

Laboratory in Psychobiology and Behavioral Medicine (PSY 403)

Psychology of Medicine (PSY 420)

Supervision of undergraduate thesis research (PSY 498, PSY 499)

Psychophysiology (PSY 606)

*Foundations in Behavioral Medicine (PSY 606)

Medical Sciences for Biomedical Engineering (BME 502, partial responsibility)

Infancy and Early Childhood (University of Florida)

Medical Neuroscience (University of Florida, College of Medicine, partial responsibility)

Biological Psychology (Florida International University)

Introductory Psychology (Ohio University)

22. Thesis and Dissertation Advising/Post-Doctoral Student Supervising

Chaired 12 dissertations, advised 11 other dissertations, chaired 14 theses, advised 7 other theses, and directly or partially supervised the research of 35 graduate students and 14 post-doctoral fellows.

	<u>Research Topic</u>	<u>Year</u>
<u>Post-Doctoral Fellows Advised</u> (*primary supervisor)		
Felix Hernandez	Depression in Metabolic Syndrome & Type 2 Diabetes	2010-present
Damian Stanziano	Cardiovascular Risk in Gerontology	2009-present
Adonis M. Perdomo	Endothelial Progenitor Cells in Vascular Disease	2009-present
Johanna Klaus*	Metabolic Syndrome and Prognostic CHD Indicators	2005-2007
Rasha Lawrence*	Hematological and Immunological Alterations in CFS	2003-2004
Denise Dixon	Immunological Assays for Cytokines in HIV Spectrum Disease	1997-1998
Kimberly Brownley*	Stress Reactivity, HIV, and Immune/Cardiovascular Function	1996-1999
Beth Dettmer	HIV Risk Factors and Personality	1996-1998
Jessie Williams	Social support, Immune Reactivity and HIV Spectrum Disease	1996-1998
Lise Fillion*	Immune and Cardiovascular Stress Reactivity in HIV	1994-1996
Kevin Doherty	Cardiovascular Hyper-reactivity and Cardiovascular Risk	1994-1995
Arnold Peckerman*	Hypertension, Baroreceptor Function, Cardiovascular Reactivity	1993-1996
Ewaryst Tkacz*	Signal Processing Methods to Index Parasympathetic Activity	1993-1994
Liang-Yu Shyu*	Validity of Impedance Cardiography/Computed Tomography	1992-1994

Dissertations Chaired

LaMista Schultz	Metabolic Syndrome and Chronic Insufficient Sleep in HIV/AIDS	2008-pres
Virginia Coryell	Psychological Distress, Eating Style, and Cardiovascular Risk	2010
Jeffrey Greeson	Psychosocial Predictors of HIV Disease Progression	2006
Candace Hart	Autonomic and Circulatory Function in Type I Diabetes	2005
Johanna Klaus	Modeling Stress, Dysmetabolic Syndrome & Preclinical CVD Risk	2004
Anna Rusiewicz	Psychological Distress and Adherence in Type I Diabetes	2003
Sarosh Motivala	Psychological Distress, Immune Function, HIV	2000
Carol Gallaher	Hypertension, Effects of Drug Treatment, Insulin Resistance	1999
Jeffrey Kibler	Pain Perception, Baroreceptor Sensitivity in Type I Diabetes	1999
John Milanovich	Immune Predictors of HIV Disease Progression	1999
Rita Goldstein	Modeling Cardiovascular Regulation and Insulin Metabolism	1999
Clifford Massie	Ethnicity, Cardiac Autonomic Balance, Cardiovascular Risk	1993

Dissertations Advised

Chih-Cheng Lu	Noninvasive Methods of Arrhythmia Detection	1998
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Judith McCalla	Cardiovascular Reactivity in Hypertension	1997
Jovier Evans	Differences in Cardiovascular Reactivity Recovery	1996
Sridhar Reddy	Quantitative Method for Aortic Stenosis Detection	1996
Paige Green	Ethnicity/Gender Experimenter Effects, Cardiovascular Reactivity	1996
Kedu Han	Validity of Adaptive Filtering Methods of Estimating Vagal Tone	1994
Arnold Peckerman	Pain Perception and Blood Pressure Reactivity to Stress	1993
Jane Ansley	Insulin Effects on Blood Pressure Regulation	1992
Liang-Yu Shyu	Sources of Signal Processing Error in Impedance Cardiography	1992
Rosemary Pasin	Cardiovascular and Neuroendocrine Reactivity to Stress	1990
Richard Nelesen	Gender and Cardiovascular Response Patterning	1990

Theses Chaired

Virginia Coryell	Orthostatic Intolerance, Fatigue and Autonomic Status in CFS	2007
LaMista Schultz	Metabolic Syndrome, Cocaine Use/Abuse & HIV/AIDS	2007
Luda Karnatovskaia	Cardiac Structural & Functional Abnormalities in Type 1 Diabetes	2002
Johanna Klaus	Reactor Status, Insulin Resistance and Vascular Function	2001
Neal Baker	Cardiovascular Reactivity to Stress in Hispanic Men and Women	2000
Candace Vallenilla	Prediction of Cardiac Structure with Cardiovascular Reactivity	1998
Carol Gallaher	Gestational Diabetes and Insulin Metabolic Syndrome	1997
Rita Goldstein	Quantitative Modeling of Cardiovascular Function	1997
Jeff Kibler	Impedance Cardiography Systolic Time Interval Validity	1997
John Milanovich	Autonomic Integrity in HIV Spectrum Disease	1997
Sarosh Motivala	Immune Reactivity and Ethnicity and Gender	1997
Julie Graves	Perceived Stress, Hemodynamic Function in HIV	1997
Christopher Leitten	Stress and Pharmacological Reactivity in Hypertension	1995
Ruth Quillian	Stress Response Patterning in Black and White Men	1991

Theses Advised

Nicole Henry	Oral Contraceptive Use and Metabolic Syndrome	2006
Sudeep Khurajjam	New Stroke Volume Estimation Technique from Doppler Images	1996
Thomas Zahn	Quantitative Methods of Assessing Doppler Aortic-Valve Images	1994
Julie Landel	Insulin Dependent Diabetes and Autonomic Function	1994
Kathleen Starr	Immuno-cellular reactivity in HIV Asymptomatic Gay Men	1993
Susan Yount	Effects of Eating on Cardiovascular/Neuroendocrine Reactivity	1993
Chih-Cheng Lu	Real-Time Self-Balancing Impedance Plethysmograph	1991

SERVICE

23. University Committee and Administrative Responsibilities

Chair, Health Psychology Division Search Committee, 2008
Associate Director, Behavioral Medicine Research Center, 2007 - present
Member, General Advisory Committee of the General Clinical Research Center, 2001 - 2009
Member, Division of Health Psychology, 1989 - present
Member of Health Psychology Division Graduate Admissions Committee, 1989 - present
Member, Graduate Research Faculty, 1989 - present
Member, Data Safety and Monitoring Board, RO1 HL095127, T. Miller, M.D. (PI) 2009 - present
Member, Institute for Women's Health, Committee on Menopause Research, 2008-2009
Interim Senator, University of Miami Faculty Senate, 2008
Senator, University of Miami Faculty Senate, 2001 - 2003
Senator, University of Miami Faculty Senate, 1998 - 2001

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Senator, University of Miami Faculty Senate, 1995 - 1998

Member of Budget & Compensation Committee of the Faculty Senate, 1997 - 2001

Chair of Nominations Committee of the Faculty Senate, 1998

Representative to the Arts and Sciences Caucus, 1995 - 2003

Member of the College of Arts & Sciences Budget and Compensation Committee, 1999 - 2002

Member of the Faculty Survey Questionnaire Committee, 1999 - 2000

Chair, Subcommittee on Undergraduate Research Methods Curriculum, 1993 - 1995

24. Community Activities

Baseball coach, Howard-Palmetto Khoury League, 1992 - 2003, 2005 - 2007

Vice President, Killian High School Baseball Booster Club, 2000 - 2001

Member, Board of Directors, Temple Zion Israelite Center, 1989 - 1992

Member, Board of Directors, American Heart Association Hypertension Committee, 1986