

CURRICULUM VITAE

Frank A. Treiber, Ph.D.

South Carolina Smart State Endowed Chair of
Technology Applications for Disease Prevention , Management and Health Promotion
Professor of Nursing & Medicine
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PERSONAL

Home Address: 1405 Armistice Point
Charleston, S.C. 29412
Date of Birth: September 17, 1953
Place of Birth: Yokosuka, Japan
Citizenship: United States
Sex: Male
Race: Caucasian

EDUCATION

Winter Park High School, Winter Park, Florida, 1968 – 1971

Seminole Community College, Sanford, Florida, 1971 - 1973, A.A.

Tennessee Technological University, 1973 - 1975, B.S., Psychology

University of Georgia, 1977 - 1979, M.S., Developmental Psychology
Thesis Title: Perception of a "Subjective" Contour by Infants

University of Georgia, 1979 – 1981, Ph.D., Developmental Psychology
Dissertation Title: Numerosity Discrimination by Infants

Post-Doctoral Fellow Clinical Training Program University of Georgia, Athens, Georgia, 1981-1983

Psychology Internship (A.P.A. Approved), Medical University of South Carolina and Veterans
Administration Hospital, Charleston, South Carolina, 1983 - 1984

LICENSURE

Licensed by the State of Georgia as a Clinical Psychologist on 1/28/86, License number: 001070

PROFESSIONAL

Academic Appointments

South Carolina Smart State Endowed Chair of Technology Applications Center for Healthful Lifestyles (TACHL) , Professor of Nursing and Medicine, Medical University of South Carolina, 8/10- present

Full Member of Graduate Faculty of Medical University of South Carolina College of Graduate Studies , 10/10

Vice President for Research Development, Medical College of Georgia, 8/05-7/10

Regents Professor, University System of Georgia, 1/04-7/10

Vice Chair of Basic Research, Department of Pediatrics, Medical College of Georgia, 1/03-7/05

Director, Georgia Institute for the Prevention of Human Diseases and Accidents, Medical College of Georgia, 7/99-7/05

Professor, Medical College of Georgia, Department of Pediatrics (Primary Appointment) and Psychiatry & Health Behavior (Secondary Appointment), 7/94 – 7/10

Associate Professor, Medical College of Georgia, Department of Pediatrics (Primary Appointment) and Psychiatry & Health Behavior (Secondary Appointment), 7/89 - 6/94

Assistant Professor, Medical College of Georgia, Department of Pediatrics (Primary Appointment) and Psychiatry & Health Behavior (Secondary Appointment), 7/87 - 6/89

Appointed to the Graduate Faculty of the Medical College of Georgia and University of Georgia, 8/87 - 7/10

Assistant Professor, Medical College of Georgia, Departments of Psychiatry and Health Behavior, 9/84-6/89

National Committees /Activities

Reviewer for American Psychosomatic Society Annual Meeting Abstract Submissions ,11/11.

Reviewer for National Institutes of Health Healthcare Delivery and Methodologies Integrated Review Group , 5/11

Executive Council, Academy of Behavioral Medicine Research 7/07-6/13

Reviewer for National Institutes of Health (Heart, Lung and Blood Institute), PO1 Special Emphasis Panel, 11/09

Reviewer for National Institutes of Health Clinical and Integrative Cardiovascular Sciences Study Section (CICS) , 6/09

Reviewer for National Institutes of Health (Heart, Lung and Blood Institute), PO1 Special Emphasis Panel,11/08

Member, National Center for Complementary and Alternative Medicine Working Group : Directions of Future Meditation Research , 9/07-9/08

Co-Chair, National Heart, Lung and Blood Institute Task Force: Future Directions of Behavioral Genetics CVD Research, 1/05-12/07

Advisory Board, Center of Excellence, Excellence in Partnerships for Community Outreach, Research on Health Disparities and Training, funded by National Center on Minority Health and Health Disparities to University of North Carolina at Greensboro, School of Nursing, 9/03-present

Special Reviewer for National Heart, Lung and Blood Institute (Protocol Review of 2 Combined NIH RO1 Protocols at Mayo Clinic, Rochester), 3/05

Reviewer for National Institutes of Health, Heart Lung and Blood Institute, Risk, Prevention and Health Behavior Integrated Review Group, 3/05

Member, Division 12 Clinical Psychology and Division 38 Health Psychology Review Panels for the 2004 Annual Meeting of the American Physiological Society, 11/03

Reviewer for Clinical Cardiovascular Sciences Study Section, National Institutes of Health (Heart, Lung and Blood Institute), 7/02

Reviewer for National Institutes of Health (Heart, Lung and Blood Institute), Clinical Cardiovascular Sciences study section, 5/02

Member of the American Heart Association, Southern and Ohio Valley Research Consortium, 4/02

Member of National Institutes of Health (Heart, Lung and Blood Institute) Special Emphasis Panel for Program Project Grant, 2/01

Member of National Institute of Child Health and Human Development Working Group on Risk Factors in Childhood for Atherosclerosis Later in Life, Arlie, Virginia, 9/27-9/29/00

Expert Consultant for the 2000 Annual Meeting of the Society of Behavioral Medicine, Nashville, TN, 4/00

Chairperson of paper session "Risk Factors and Coronary Heart Disease" at 21st Annual Meeting of The Society of Behavioral Medicine, Nashville, TN, 4/00

Member of Cardiovascular Track Committee for the 2000 Annual Meeting of the Society of Behavioral Medicine, Nashville, TN, 12/99

Member of Division 12 Clinical Psychology and Division 38 Health Psychology Review Panels for the 2000 Annual Meeting of the American Psychological Association, 12/99

Member of Division XII Clinical Psychology Review Panel for the 1999 Annual Meeting of the American Psychological Association, 12/98

Member of Division XII Clinical Psychology Review Panel for the 1998 Annual Meeting of the American Psychological Association, 12/97

Special Reviewer of Cardiovascular/Respiratory Submissions to the 1998 Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, 12/97

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Clinical Trials Review Committee, 2/24/97

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Clinical Trials Review Committee, 10/28/96

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Clinical Trials Review Committee, 6/24/96

Reviewer of National Institutes of Health-General Medical Sciences Institute, 10/11/95

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 8/16/95

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 6/26/95

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 4/18/95

Chair of "Behavioral Risk Factors in Children" paper session for the Society of Behavioral Medicine's Sixteenth Annual Scientific Sessions, San Diego, CA, March 1995

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 11/2/93

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 4/20/93-4/21/93

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 3/1/93-3/2/93

Ad Hoc Reviewer for National Institutes of Health, Heart, Lung and Blood Institute, Special Emphasis Panel, 11/15/92-11/18/92

Reviewer for National Institutes of Health - Heart, Lung, and Blood Institute, Special Emphasis Panel, 11/15/92-11/18/92

Pediatric Outpatient Continuing Care Committee, Department of Pediatrics, Medical College of Georgia, 7/1/92 - present

Ad Hoc Reviewer for National Institutes of Health - Heart, Lung, and Blood Institute, Special Emphasis Panel, 6/30/92

Special Review Committee for National Institutes of Health - National Heart, Lung and Blood Institute for Demonstration and Education Research grant applications, 2/23/92 - 2/25/92

Ad Hoc Reviewer for National Institutes of Health - Heart, Lung, and Blood Institute Clinical Trials Grant Application, 9/6/91

Ad Hoc Reviewer for National Institutes of Health - Heart, Lung, and Blood Institute Clinical Trials Grant Application, 2/6/91

Chairperson of Pediatric/Adolescent Health Track for the 1990 Annual Meeting of the Society of Behavioral Medicine, 5/89 - present

Member of the Program Committee for the 1989 Annual Meeting of the Association for Advancement of Behavior Therapy, 9/88 - 11/89

Reviewer of pediatric track submissions for the Ninth Annual Meeting of the Society of Behavioral Medicine, 4/88

Special Review Committee for National Institutes of Health - National Heart, Lung and Blood Institute for Demonstration and Education Research grant applications, 10/6/86 - 10/8/86

Special Review Committee for National Institutes of Health - National Heart, Lung and Blood Institute for Demonstration and Education Research grant applications, 7/19/87 - 7/20/87

Special Review Committee for National Institutes of Health - National Heart, Lung and Blood Institute for Demonstration and Education Research grant applications, 7/7/88 - 7/8/88

Psychosocial Subgroup Committee for Project SCAN (Studies of Children's Activity and Nutrition) - National Institutes of Health - National Heart, Lung and Blood Institute, 11/85 - 11/89

Committee Assignments (Medical University of South Carolina)

Entrepreneurialism Operations Team for 2010 Strategic Plan Implementation 10/10-present

South Carolina Clinical Translational Research Novel Methodologies Initiative Co-Director 7/11- present

South Carolina Clinical Translational Research Pilot Project Pre -Application Review Committee

South Carolina Clinical Translational Research SUCCESS Center's SPARK Program –Director of Novel Technologies Applications Consult Service 7/11-present (15 consults from 1/11-7/11)

Committee Assignments (Medical College of Georgia)

President's Cabinet (8/05-7/10)

Medical College of Georgia Research Institute Board of Directors (7/00-7/10)

Medical College of Georgia Research Institute Executive Committee (7/04-7/10)

Medical College of Georgia Research Institute Finance Committee (7/04-7/10)

School of Medicine Committee to Integrate Performance Metrics (2/04-2/05)

Research Faculty Search Committee, School of Allied Health Sciences (7/02-6/04)

Medical College of Georgia – University of Georgia School of Public Health Task Force (7/01-7/03)

Member of Biomedical Research Council (9/99-7/05)

Pediatric Advisory Committee, Department of Pediatrics, 7/1/94 -8/1/05

Promotion and Tenure Grievance Committee, School of Medicine (1/04)

Chair, School of Medicine Committee for Exploration of Research Collaborations in Cardiovascular Disease with Morehouse School of Medicine (4/03-10/03)

Reader on Dissertation Committee of Ms. Sandra P. Daniel, Ph.D. candidate, School of Nursing (3/03)

Ad Hoc Committee on Department, Center and Institute Relationships (10/01-1/02)

Master Space Plan Task Force (Research Committee) (5/01-11/01)

School of Medicine Capital Campaign Committee for Cardiovascular Disease (2/03-3/03)

Mission Based Management Research Design Team (8/99-11/99)

Chairperson, Biomedical Research Council: Bioinformatics Steering Committee (3/00-2/01)

Member, Prevention Committee for Governor's Cancer Initiative (6/00-6/01)

Member of Research Misconduct Review Team (3/00)

Group Facilitator, Health Promotion and Disease Prevention Curriculum for MCG First Year Medical Students, 1998

Liaison Committee on Medical Education (LCME) Self-Study for the Accreditation of the School of Medicine, 12/92 - 6/93

Chairperson, Department of Pediatrics Ad Hoc Committee for Development of Research and Training Needs of Fellows and Young Faculty, 3/89 - 6/98

Liaison Committee on Medical Education (LCME) Self-Study for the Accreditation of the School of Medicine, 8/25/87 - 12/15/87

Pediatric Outpatient Continuity Care Committee, 7/87 - 6/92

Lecturer, Students for Community Involvement (First year medical student elective)

RESEARCH AND TRAINING GRANTS AWARDED

7/09-3/14 Co-Investigator , South Carolina Clinical & Translational Research Institute (SCTR), The goal of the South Carolina Clinical and Translational Research Institute (SCTR) is to create a sustainable home at the Medical University of South Carolina (MUSC) to advance clinical and translational research as a distinct discipline and facilitate collaboration across multiple disciplines. Kathleen Brady, M.D., PhD. (PI), Funded by National Institutes of Health, National Center of Research Resources (1 UL1RR029882-03)(\$20,169,728).

10/11- 9/12 Co-Investigator, Adherence Enhancement For Renal Transplant Patients . John McGillicuddy, M.D. (P.I.) .Funded by South Carolina Clinical & Translational Research Institute(NIH/NCRR, UL1RR029882) (\$44,151).

10/11-9/12 Co-Investigator ,Using Technology to Improve Adherence to Pediatric HIV Medications .Eve Spratt, M.D. (PI). Funded by South Carolina Clinical & Translational Research Institute(NIH/NCRR, UL1RR029882) (\$50,000).

10/11-9/14 Mentor, Adherence Enhancement For Renal Transplant Patients . John McGillicuddy, M.D. (PI) . K12 Award funded by South Carolina Clinical & Translational Research Institute (NIH/NCRR, UL1RR029882) (\$369,375).

4/08-3/13 Co-Director and Project Leader (through 9/10) on Program Project Grant (PPG), Stress Induced Mechanisms of Hypertension Risk II. Current role: Co-investigator . This PPG in its second cycle of funding consists of 4 research projects and 4 cores (administrative, bioassay, biomedical and data management/statistics).

Dr. Treiber was Director on the first cycle of funding. These unifying research projects involving animal and human behavioral stress studies are unraveling genetic, biologic, behavioral/lifestyle and environmental stress factors that result in development of hypertension and type 2 diabetes .

Project 2: Project Leader, now co-investigator , Environmental Stress, Genes and Risk of Hypertension. This Project will study a longitudinal cohort of 300 African Americans and 307 European Americans from South Carolina and Georgia (mean age 25.5 years) who been evaluated 14 times over 17 year period . The study will test the hypotheses that individuals from chronically stressful environments (e.g., frequent discrimination, unfair treatment, SES inequality ,etc.) and/or with unfavorable stress related genotypes will exhibit greater increases in HPA axis and oxidative stress responses to acute stressors and chronic stress and measures of preclinical CVD and type 2 diabetes . (HL69999) (\$10,500,000)

04/07-03/13 Principal Investigator, Sociodemographic Regulation of CV Function and Structure. This is a continuation of the Twin CV Health Study funded from 8/96-7/05. This ongoing longitudinal study is evaluating the cumulative impact of background stress related environmental factors upon the differential expression of cardiovascular disease and type 2 diabetes risk factors in African Americans and European Americans from South Carolina and Georgia. A classic monozygotic/dizygotic twin study design is used to permit assessment of the independent contributions of background stress related environmental factors over time upon cardiovascular and type two diabetes stress related phenotypes by first accounting for

genetic contributions. (HL56622) (\$1,948,708)

01/05-12/12 Principal Investigator , Stress Reduction: Impact on BP in African American Youth
This study will examine the effects of two behavioral stress reduction interventions (i.e., Mindfulness Meditation and LifeSkills cognitive behavioral training) versus a health education control (CTL) program upon cardiovascular function at rest and during stress among 320 African-American 15 to 18 year olds (half male, half female) with high normal systolic BP. Funded by the National Institute of Health and the National Heart, Lung and Blood Institute (HL078216) (\$1,260,155)

05/07-04/11 Co-Investigator , The Impact of a Tobacco Control Intervention in African-American Families. The overall goal of this project is to examine the effects of a family approach (three interventions targeting children, parents/guardians) versus a health education control on tobacco initiation in elementary children, anti-tobacco socialization in the home by parents/guardians, and tobacco cessation with parent/guardian smokers in an all African-American population. Martha Tingen (PI). Funded by the National Cancer Institute (CA118066) (\$2,248,708)

09/30/08—6/01/10 Principal Investigator, Fit Body and Soul : A lifestyle Intervention for Diabetes Prevention Conducted Through African American Churches .

This clinical trial will examine the impact of a 12 week faith based intervention incorporating components of the Diabetes Prevention Program and the Body and Soul church based intervention upon weight loss ,enhancement of moderate physical activity and reduction of fasting blood sugar levels in African Americans 20-64 years of age with BMIs ≥ 25 .(NIDDK082401 R18) (@ \$3,033,366)

Note: Clinical trial continues to 6/13

7/01 - 7/10 Co-Director, Post-Doctoral Training in Integrative Cardiovascular Biology (second cycle of funding).The objective of this program is to train post-doctoral Ph.D. and M.D. fellows for independent research careers in clinical and translational cardiovascular research , utilizing techniques spanning the molecular, genetic, cellular, tissue/organ and whole animal/man range. (HL 66993) (\$ 1,066,440)

10/06-09/08 Principal Investigator ,MCG's Clinical and Translational Research Transformation. This planning grant will facilitate the Medical College of Georgia's development of a plan for the content of and foundation for effective governance, administration and evaluation of a Clinical and Translational Science Award. (P20RR023472) (\$220,000)

7/02-6/07 Principal Investigator, Program Project Grant (PPG), Stress Induced Mechanisms of Hypertension Risk. This PPG consists of 4 research projects and 4 cores (administrative, bioassay, biomedical and data management/statistics). The central theme of the PPG is that acute and chronic exposure to stress, particularly among those at increased risk for development of EH, results in activation of 3 biological pathways (among others): sympathetic nervous system, rennin-angiotensin-aldosterone system and endothelial system, which, via release of assorted neurohormones and vasoactive peptides, gradually cause damage to cardiovascular structure and function and renal function, which lead to development of hypertension if not halted (e.g., physical exercise intervention). (HL69999) (\$9,968,234)

12/00 - 11/06 Principal Investigator, Sociodemographic Regulation of CV Function and Structure. This is a continuation of Twin CV Health I Study funded from 8/96-7/00. The study will focus upon the impact of environmental stress upon children's cardiovascular reactivity to acute stressors due to increased sodium retention and the relationship of these stress-induced responses to development of preclinical disease risk (e.g., increased left ventricular mass, endothelial dysfunction, increased 24-hour blood

pressure levels). A classic monozygotic/dizygotic twin study design is used to permit assessment of the independent contributions of environmental factors upon the various cardiovascular stress related phenotypes by first accounting for genetic contributions. Funded by the National Institute of Health and the National Heart, Lung and Blood Institute (HL56622) (\$1,450,000)

7/04 - 6/06 Mentor/Co-Investigator, Interactive Effects of a Serotonin Transporter Gene Polymorphism (5-HTTLPR) and Life Stress on the Coronary-Prone Person. This study will evaluate the interactive influence of the 5-HTTLPR polymorphism in combination with a stressful childhood environment (e.g., low socioeconomic status, dysfunctional family environment, and high levels of perceived stress) upon cardiovascular risk factors in a cohort of 585 young adults. American Heart Association Pre-Doctoral Fellowship Award: Joseph Poole. (AHA5415199B) (\$36,000)

7/04 - 6/06 Mentor/Co-Investigator, Gene-Environment Interaction and Hypertension Risk in Youth. This study will evaluate the effects of SNP haplotypes for select stress activated candidate genes for cardiovascular diseases involved with the sympathetic nervous system and renin-angiotensin-aldosterone system upon development of cardiovascular disease risk factors, particularly in combination with a history of chronic life stress. Subjects will be a multi-ethnic cohort of 585 young adults. American Heart Association Post-Doctoral Fellowship Award: Xiaoling Wang, Ph.D. (AHA0425447B) (\$63,000)

7/03 - 6/04 Co-Investigator, Project GIFT: Georgia's Initiative to Fight Tobacco. A statewide smoking prevention program implemented to fourth graders in public schools. All 19 Georgia health districts are involved in the study. (GCC) (\$200,000)

4/04 - 3/06 Co-Investigator, Genetics and Cardiovascular Reactivity in Young Twins. A large multi-ethnic twin cohort involving African American and European American twin pairs will have a set of genetic polymorphisms identified which are related to sympathetic nervous system activity. These polymorphisms are hypothesized to be associated with stress related blood pressure control phenotypes. (NHLBI) (\$286,000)

12/01 - 11/05 Co-Investigator, Racial Differences in Stress Induced Homeostatic Responses. The objective of this study is to obtain a more complete understanding of the role that physiologic changes related to stress induced sodium reduction play in the development of ethnic differences in essential hypertension risk factors in a sample of 150 African American and 150 European American teenagers. (HL64225) (\$1,277,737)

8/00 - 7/04 Co-Investigator, Lifestyle, Adiposity, and Cardiovascular Health in Youth. The objective of this research is (1) to determine the relations of free-living diet and exercise to total body percent fat, visceral adiposity and cardiovascular (CV) fitness in African American and European American boys and girls of varying SES and (2) to determine the relations of fatness and fitness to different CV disease risk factors. (HL 64157) (\$2,798,135)

8/99 - 7/04 Principal Investigator, Stress Reduction: Prevention of High BP in Black Youth: Supplement for Minority Postdoctoral Research Trainee. The supplement allows Lynnette Bauza, M.D., a Hispanic-American pediatrician, the opportunity to receive training experiences in pediatric cardiovascular behavioral medicine research. The objective of the program is to help Dr. Bauza develop research skills that will enable her to conduct and publish high quality research in her area of interests (HL 62976) (\$174,446)

8/99 - 7/04 Principal Investigator, Stress Reduction: Prevention of High BP in Black Youth. This study compares the effects of a behavioral stress reduction intervention via the Transcendental Meditation Program (TM) versus a health education control (CTL) program upon cardiovascular function at rest and during stress among 140 African-American 15 to 18 year olds (half male, half female) with high normal systolic BP (HL62976) (\$1,364,455)

7/99 - 6/02 Co-Investigator, Behavioral Stress and Sodium Regulation in Youths. This study examines the effects of psychological stress on sodium retention in African Americans. The differential impact of the insulin and sympathetic nervous system (i.e., norepinephrine) in handling sodium excretion will be assessed in obese and non-obese African American youth (HL59954) (\$1,107,815)

10/98 - 12/01 Principal Investigator, Antecedents of Hypertension - Role of Race and Stress III. Supplement for Minority Post Doctoral Research Trainee. This supplement allows Donna Moore, M.D., an African-American pediatrician, the opportunity to receive training and experience in pediatric cardiovascular health research with emphasis upon developing her research skills so that she can conduct and publish high quality research in her area of interest (HL41781) (\$296,508)

10/98 - 9/01 Principal Investigator, Antecedents of Hypertension - Role of Race and Stress III. Supplement for Minority Post Doctoral Research Trainee. This supplement allows Gaston Kapuku, M.D., Ph.D., an African cardiologist, the opportunity to further develop his skills as a cardiovascular research scientist, with an emphasis upon establishing the credentials and skills necessary to become competitive for receiving extramural funding (HL41781) (\$250,974)

1/98 - 12/03 Principal Investigator, Antecedents of Hypertension - Role of Race and Stress III. This is a continuation of the Antecedents of Hypertension-Role of Race and Stress II study funded from 12/93-11/98. A biracial sample of children with a family history of essential hypertension will be followed for a cumulative period of fourteen years during which several environmental stress related variables will be identified as possible factors in the development of preclinical manifestations of essential hypertension (e.g., left ventricular hypertrophy, increased resting blood pressure, decreased endothelial function). Stress related variables to be examined include hemodynamic and endothelium derived vasoactive responses to laboratory stressors, anger and hostility coping styles and sociostructural factors such as family stability and socioeconomic status (HL41781) (\$1,452,168)

7/97 - 6/99 Principal Investigator: SCAN III: Supplement for Minority Undergraduate Research Trainee. This supplement allows Latoshia Wells, an African American undergraduate student, the opportunity to receive training and experience in pediatric cardiovascular health research with an emphasis upon establishing an understanding of the scientific method and the importance of clinical epidemiologic research in preventive medicine (HL35073) (\$17,403)

5/96-4/02 Principal Investigator, Studies of Children's Activity and Nutrition III. This is a continuation of the SCAN II study funded from 7/92-6/96. The study will focus upon the role of lifestyle and stress related factors in the development of preclinical manifestations of cardiovascular disease (e.g., increased resting BP and left ventricular mass and decreased endothelial dependent arterial dilation and carotid artery wall elasticity) across a cumulative 12 year interval (HL35073) (\$1,395,498)

5/96- 4/01 Principal Investigator: SCAN III; Supplement for Minority Investigator. Funded by National Heart, Lung, and Blood Institute. This supplement allows Dr. George Mensah, an African-American cardiologist, to receive further training and experience in cardiovascular health research, with an emphasis

upon establishing the credentials and skills necessary to become competitive for receiving extramural funding in this area of research (HL 35073) (\$260,975)

5/96 - 4/01 Co-Investigator: SES, Stress and CV Health in African American Youth. This study will assess the impact of chronic environmental stress as represented by lower socioeconomic status upon cardiovascular functioning at rest and during stress in African American youth. Funded by National Institutes of Health - Heart, Lung and Blood Institute (HL03532) (\$539,698)

8/96 - 7/99 Principal Investigator: Sociodemographic Regulation of CV Function and Structure. This study will assess the influence of ethnicity and socioeconomic status upon children's cardiovascular health indices over time using a classic monozygotic/dizygotic twin study design. Indices of cardiovascular health to be assessed include blood pressure and underlying hemodynamic regulators (cardiac output, total peripheral resistance) at rest and during a variety of laboratory stressors and cardiac structure (e.g., left ventricular mass, carotid artery stiffness). Funded by National Institutes of Health - National Heart, Lung and Blood Institute (HL56622) (\$863,000)

1/95 - 11/97 Co-Investigator, Physical Training and Blood Pressure in High Risk Youth. This study will test the hypothesis that controlled physical training will reduce blood pressure at rest and in reaction to forehead cold and exercise stressors in 8-9 year olds at risk for development of essential hypertension. It will also test the hypothesis that physical training will reduce percent body fat, as measured with dual energy x-ray absorptiometry (DEXA) (HL49549) (\$1,104,580)

8/11/94 - 7/31/95 Principal Investigator, Violence Prevention Project for Young Adolescents. Funded by the Georgia Children and Youth Council. The study will assess the impact of a 10 module school based violence prevention program upon middle school students' self reported intentions and actual participation in violent behavior (e.g., fist fights, use of weapon, gang fighting etc.) to resolve interpersonal conflicts (93J-02-9302-0003) (\$36,290)

7/92 - 6/96 Principal Investigator: SCAN II; Supplement for Minority Investigator. Funded by National Heart, Lung, and Blood Institute. This supplement allows Dr. Lynda Wright, an African-American clinical psychologist, to receive further training and experience in pediatric cardiovascular health research, with an emphasis upon establishing the credentials and skills necessary to become competitive for receiving extramural funding in this area of research (HL 35073) (\$246,431)

1/92-3/96 Principal Investigator, Studies of Children's Activity and Nutrition II. This is a continuation of the original SCAN study funded from 10/85-10/90. The study will focus upon evaluation of children's hemodynamic responses to vascular and myocardial activated laboratory stressors and Doppler echocardiographic derived measures of left ventricular mass and functioning across a 4-year interval (HL35073) (\$851,786)

12/93 - 11/97 Principal Investigator, Antecedents of Hypertension - Role of Race and Stress II. Biracial sample of children with a family history of hypertension will be followed for a cumulative period of ten years during which several environmental stress variables will be identified as possible markers or mechanisms in the development of early pathophysiologic antecedents of essential hypertension (e.g., left ventricular hypertrophy, increased resting blood pressure). Variables to be examined include vascular and myocardial responses to laboratory stressors, anger and hostility coping styles and sociostructural factors such as family stability and socioeconomic status (HL41781) (\$1,244,366)

7/92 - 7/94 Co-Investigator, Diet, Exercise, and CV Health Among Ethnic Children. Funded by National Institutes of Health - National Heart, Lung and Blood Institute (HL 47534-01) (\$145,000)

12/88 - 11/93 Principal Investigator, FIRST AWARD: Antecedents of Hypertension - Role of Race and Stress. A biracial sample of children with a family history of hypertension will be assessed for five years on several environmental stress factors which may serve as markers or mechanisms in the development of essential hypertension (e.g., hemodynamic response to psychological and physical stress, anger and hostility coping styles, sociostructural variables: family stability, socioeconomic status) (HL 41781) (\$471,016)

10/88 - 9/90 Principal Investigator, The BoMed Thoracic Electrical Bioimpedance Instrument NCCOM3: Validation and Uses in Children. Funded by the Research Committee of the Department of Pediatrics, Medical College of Georgia (approx. \$31,500)

8/88 - 8/89 Principal Investigator, Hemodynamic Regulators of Blood Pressure Reactivity to Stress. Funded by Medical College of Georgia Research Institutes Grant Program (\$10,000)

10/85 - 10/90 Co-principal Investigator: Project SCAN (Studies of Children's Activity & Nutrition). A five year multiple site study of children's lifestyle behaviors associated with coronary heart disease. Funded by National Institutes of Health - National Heart, Lung and Blood Institute (HL 35073) (\$1,053,687)

7/90 - 3/91 Principal Investigator: Relationship between serum values and reported consumption of vegetables and fats. Funded by Centers for Disease Control, Atlanta, Georgia (\$12,700)

7/90 - 6/91 Principal Investigator: Parent-child aggregation of cardiovascular responses to alpha- and beta-adrenergic mediated stressors. Funded by Medical College of Georgia Research Institutes Grant Program (\$10,000)

6/90 - 6/91 Principal Investigator: The influence of lifestyle behaviors upon children's blood pressure. Funded by Augusta Chapter of the Fraternal Order of Eagles (\$5,000)

AWARDS/HONORS

Recipient of Medical College of Georgia's Spirit Award for 2007-2008 academic year

Elected to the Academy of Behavioral Medicine ,6/05

Recipient of Outstanding Faculty Award for the 2003-2004 academic year, School of Medicine, Medical College of Georgia, 4/04

Elected to the American Pediatric Society, 11/03

Elected as a Fellow of the Society of Behavioral Medicine, 4/98

Elected as a Fellow of American Heart Association-Council for High Blood Pressure Research, 5/98

Recipient of Distinguished Clinical Research Award for outstanding research contributions during the

1993-94 academic year, Medical College of Georgia 5/31/94

Recipient of Zimmer Scholar Award for outstanding research contributions during 1980-81 academic year, Experimental Psychology Program, University of Georgia, 6/19/81

Recipient of A.S. Edwards Award for excellence of scholarship, meritorious conduct and service to the Department of Psychology, 1980-81 academic year, University of Georgia, 6/10/81

SCIENTIFIC AND PROFESSIONAL SOCIETIES

Society for Pediatric Research (elected on 11/21/89)

American Psychological Association (Full Member), Member Division 38 - Health Psychology

Association for Advancement of Behavior Therapy (Full Member)

Psi Chi, The National Honor Society for Psychology

Society of Pediatric Psychology (Full Member)

Society of Sigma Xi, University of Georgia Chapter, Associate Member

Augusta Area Mental Health Association

Georgia Psychological Association

Fellow of the Society of Behavioral Medicine (3/98)

American Psychosomatic Society (Member - 3/98)

Fellow of American Heart Association-Council for High Blood Pressure Research (5/98)

COMMUNITY ACTIVITIES

Volunteer fundraiser for American Heart Association

Volunteer fundraiser for American Cancer Society

Special Awards judge for Annual CSRA Regional Science Fair

Children's Heart Program Volunteer Council at the Medical College of Georgia

PUBLISHED/IN PRESS ABSTRACTS (total = 202)

1. Gregoski, MJ, Barnes VA, Tingen M, Dong Y, Zhu H, Treiber FA (2011). Modulating influences of ET-1 Lys198Asn genotype and chronic stress upon stress reduction programs in reducing ambulatory blood pressure (BP) among African American (AA) adolescents. *Psychosomatic Medicine*, 73 (3):A-17. (2011 American Psychosomatic Society Meeting Poster Citation Award).
2. Barnes VA, Gregoski MJ, Tingen MS, **Treiber FA** (2010). Family environmental influences upon meditation efficacy in African American adolescents. *Psychosomatic Medicine*, 72(3), A-70.
3. Gregoski MJ, Wright LB, Tingen MS, Barnes VA, Davis HC, **Treiber FA** (2010). Impact of stress reduction interventions upon hostility and ambulatory systolic blood pressure Among African American Adolescents. *Psychosomatic Medicine*, 72(3), A-23.
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BOOK CHAPTERS

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