Center for Integrative Medicine: 2009
Wake Forest University Baptist Medical Center

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Family and Community Medicine,
Regenerative Medicine, Bioethics,
Social Science and Health Policy

Funded Research

1.1 Overview

Total Funded Research - $23,093,996; Number Projects = 105

- Biofield Therapy: $85,000; N=13
- Cancer: $4,226,718; N=19
- Cultural Competency and Communication: $461,681; N=6
- Epidemiology and Health Services: $1,974,091; N=6
- Herbs and Dietary Supplements: $4,572,130; N=18
- Lifestyle: $11,159,629; N=37
  - Combination: $1,964,699; N=10
  - Environment: $912,108; N=4
  - Exercise and Fitness: $2,691,608; N=4
  - Mind-Body: $383,356; N=2
  - Nutrition and Diet: $857,041; N=4
  - Stress: $4,350,817; N=13
- Research and Education: [$153,000]; N=2
- Women's Health: $614,747; N=4

1.2 Details

Biofield Therapy: $85,000; N=13

PI: Avis, N
Total: N/A
Title: Acupuncture and Hot Flashes.
Source: N/A
Term: N/A

PI: Guo, H
Total: N/A
Title: Acupuncture for Low Back Pain.
Source: N/A
Term: N/A

PI: Harrison, B
Amount: [$100,000]
Title: Effect of Magnetic Fields on Tissue Growth
Source: s/Caryl J. Guth, Philanthropist
Term: 1/01/09 – 12/31/09

PI: Hartmann, E
Total: $75,000
Title: Impact of Exercise Program on Physical Function and Quality of Life in Aging Candidates for Renal Transplantation
Source: American Society of Nephrology
Term: 7/01/2006 – 4/30/2009

PI: Bulla, S
Total: N/A
Title: Healing Touch: Continuing the Quest for Participant Outcomes
Source: N/A
Term: N/A

PI: Hubbart, B
Total: N/A
Title: Meeting Spiritual Needs of Rehab Patients
Source: N/A
Term: N/A

PI: Sackett, K
Total: $10,000
Title: Spreading the Light of Healing Touch Energy
Source: Jack and Goldie Wolfe Miller Foundation
Term: 1/1/2009 – 12/31/2009

PI: Tang, R
Total: N/A
Title: Protective and Healing Effect of Healing Touch against Heat Stress in a Cell Culture
Source: N/A
Term: N/A

PI: Tang, R
Total: N/A
Title: Exploration of Healing Touch Effect on Facilitating Cell Differentiation
Source: N/A
Term: N/A

PI: Tegeler, CH
Total: [$35,000]
Title: Physiological Effects of Healing Touch in Patients with Neurological or Stress-related Disorders
Source: s/Hopeman Pilot Funding
Term: 3/01/2009 – 2/28/2010

PI: Tegeler, CH
Total: [$10,000]
Title: Impact of Ambience Sound Therapy on Heart Rate Variability in Healthy Volunteers
Source: s/The Winston-Salem Foundation
Term: N/A

PI: Tegeler, CH
Total: [$5,000]
Title: Impact of Healing Touch education for nurses on heart rate variability and functional outcome measures
Source: s/Carol Guth Foundation
Term: 7/01/2008 – 6/30/2009

PI: Yosipovitch, G
Total: N/A
Title: Acupuncture and Itch.
Source: N/A
Term: N/A

Cancer: $4,226,718; N=19

PI: Boeving, A.
Total: $17,965
Title: Reducing Distress and Promotion Quality of Life via Caregiver Massage of Children Undergoing Treatment for Cancer.
Source: GAC
Term: N/A

PI: Chang, B
Total: $143,204
Title: Contribution of AMACR and Phytanic Acid to Prostate Cancer Risk among African Americans in NC
Source: Army Med R&D Command
Term: 1/14/2006 – 1/14/2009

PI: Chen, YQ
Total: $147,833
Title: Effect of Dietary Omega-3 Fatty Acids on Prostate Cancer Metastasis
Source: Dept of Health & Human Services
Term: 5/01/2007 – 4/30/2009

PI: Chen, YQ
Total: $1,260,969
Title: Mechanisms of Fish Oil Supplements in the Prevention of Cancer
Source: NCI
Term: 8/21/2006 – 7/31/2011

PI: Chen, Yong Q.
Total: $22,500
Title: Effects of Dietary Omega-3 Fatty Acids on Akt Signaling in Prostate Cancer
Source: Kulynych Interdisciplinary Cancer Research Fund
Term: 6/1/2009 – 12/31/2009

PI: Chen, Yong Q.
Total: $82,500
Title: Role of the Bad Protein in Mediating Tumor Suppressive Effect of Omega-3 PUFAs
Source: American Institute for Cancer Research
Term: 1/1/2008 – 12/31/2009

PI: Chen, Yong Q.
Total: $1,016,259
Title: Mechanisms of Fish Oil Supplements in the Prevention of Cancer
Source: NCI
Term: 08/01/2009 – 07/31/2010

PI: Cramer, SD
Total: $251,038
Title: Vitamin D and Soy Isoflavone Inhibition of Prostate Growth
Source: NCI
Term: 9/30/2004 – 08/31/2009

PI: Danhauer, SC **Source**: WFUBMC/TSI (K12 Award)
Total: N/A **Term**: 7/1/08 – 6/30/2010
Title: Yoga during Breast Cancer Treatment: Establishing Community-Based Partnerships

PI: Daniel, LW **Source**: NCI
Total: [$144,958] **Term**: 08/21/2006 – 7/31/2011
Title: Mechanisms of Fish Oil Supplements in the Prevention of Cancer

PI: Edwards, IJ **Source**: NCI
Total: [$146,938] **Term**: 8/21/2006 – 7/31/2011
Title: Mechanisms of Fish Oil Supplements in the Prevention of Cancer – Project 4

PI: Edwards, IJ **Source**: NCI
Total: $190,843 **Term**: 9/23/2005 – 6/30/2010
Title: Regulation of Syndecan 1 by n-3 PUFA

PI: Kridel, SJ **Source**: NCI
Total: $247,327 **Term**: 9/01/2006 – 7/31/2011
Title: Fatty Acid Synthase Inhibitors and Prostate Cancer

PI: Kridel, SJ **Source**: DOD
Total: $179,352 **Term**: 12/01/2006 – 11/30/2010
Title: Fatty Acid Synthase Inhibitors Engage the Cell Death Program through the Endoplasmic Reticulum

PI: Kulik, G **Source**: DOD PCRP
Total: $125,000/year direct **Term**: 5/01/2008 – 5/31/2011
Title: Epinephrine-Induced Anti-Apoptotic Signaling in Breast Cancer

PI: Kulik, G **Source**: NCI
Total: $227,345/year direct **Term**: 7/01/2008 – 6/30/2013
Title: Stress-Activated Signaling in Prostate Cancer (1R01CA118329-01A2)

PI: Kulik, G **Source**: NCI
Total: $40,996/year direct **Term**: 7/23/2008 – 4/30/2013
Title: Stress-Activated Signaling in Prostrate Cancer (3R01CA118329-02S1)

PI: Kulik, G **Source**: NCI
Total: $237,034/year direct **Term**: 6/01/2009 – 5/31/2011
Title: Stress-Activated Signaling in Prostrate Cancer (3R01CA118329-02S2)

PI: Tallant, E **Source**: Nature's Pearl
Total: $36,553 **Term**: 02/01/2009 – 02/28/2010
Title: Effect of Muscadine Grape Seed and Grape Skin Extract on the Growth of Human Cancer Cells

Cultural Competency and Communication: $461,681; N=6

PI: Calles, J **Source**: NC Health & Wellness Trust Fund Commission
Total: $93,652 **Term**: 7/01/209 – 6/30/2010
Title: Latino Lay Health Advisors (LHA): A Coalition Initiative

PI: Crandall, SJ **Source**: NHLBI
Total: $92,859 **Term**: 8/01/2005 – 7/31/2010
Title: Advancing Cultural Competency Education and Professional Training to Improve Medical Education

PI: Crandall, S **Source**: Association of American Medical Colleges/CDC
Total: $3,000 **Term**: 9/01/2008 – 8/30/2009
Title: Medical Students' Perceptions of Residents', Attendings, and Their Own Cultural Competency

PI: Easterling, D **Source**: Duluth Superior Area Community Foundation
Total: $4,000 **Term**: 6/03/2008 – 6/02/2010
Title: DSACF "Speak Your Peace Evaluation Project"

PI: Kobayashi, D **Source**: AAP
Total: $3,000 **Term**: 7/01/2009 – 12/31/2009
Title: Communication for Children with Complex Needs

PI: Marion, GS
Total: $265,170
Title: Sensitive Health Literacy Curriculum
Source: HRSA
Term: 7/01/2007 – 6/30-2010

Epidemiology and Health Services: $1,974,091; N=6

PI: Arcury, T
Total: $482,992
Title: Ethnic Variation in CAM Use and Health Self-Management among Rural Older Adults
Source: NIH/NCCAM
Term: 9/29/2006 – 9/29/2010

PI: Bell, R
Total: $34,563
Title: Nutrition and Metabolic Status in Diabetic Youth: SEARCH Nutrition Ancillary Study
Source: UNC Chapel Hill
Term: 4/01/2008 – 3/31/2010

PI: Edwards, I
Total: $190,843
Title: Dietary & Physical Activity Patterns of Latino Farmworker Children
Source: NCI
Term: 9/01/2009 – 8/31/2014

PI: Grzywacz, JG
Total: $215,250
Title: Weaving Work and Family Implications for Mother and Child
Source: NICHD
Term: 5/01/2007 – 4/30/2009

PI: Quandt, SA
Total: $459,752
Title: Rural Older Adults: Oral Health, Diet and Quality of Life
Source: NIA
Term: 3/01/2005 – 1/31/2009

PI: Quandt, S
Total: $590,691
Title: Rural Elders' Diabetes Self-Management: Development of a Common Sense Model Inventory
Source: NIA
Term: 3/01/2007 – 2/28/2010

Herbs and Dietary Supplements: $4,572,130; N=18

PI: Adams, MR
Total: $272,128
Title: Dietary Soy Supplements: Cardioprotective Mechanisms
Source: NHLBI
Term: 4/01/2005 – 3/31-2009

PI: Assimos, DG
Total: $297,332
Title: Dietary Oxalate and Kidney Stone Formation
Source: NIDDK
Term: 4/01/2007 – 3/31/2012

PI: Bloomfeld, RS
Total: $15,000
Title: Nutritional Regulation of Human Crohn's Disease by Conjugated Linoleic Acid
Source: Virginia Polytechnic Institute
Term: 7/01/2007 – 6/30/2009

PI: Burkart, JM
Total: $204,277
Title: Rhubarb and ACE Inhibitor Study
Source: NIH/NCCAM
Term: 9/01/2006 – 8/31/2009

PI: Burke, G
Total: $18,251
Title: Gingko Biloba Prevention Trial in Older Individuals
Source: s/University of Pittsburgh
Term: 8/01/2009 – 7/31/2010

PI: Chilton, F
Total: $1,391,645
Title: The Wake Forest and Harvard Center for Botanical Lipids
Source: NICAM
Term: 4/1/2005 – 3/31/2010

PI: Cline, JM
Total: $580,432
Title: Soy and Estrogen Interactions in the Breast
Source: NIH/NCCAM
Term: 7/01/2005 – 6/30/2010

PI: Espeland, M
Total: $87,095
Title: Omega-3 Fatty Acid Biomarkers and Cognitive Decline in WHIMS
Source: s/University of South Dakota
Term: 1/15/2009 – 1/14/2010

PI: Greven, CM
Total: $6,813
Source: s/EMMES Corporation
Term: 1/01/2006 – 12/31/2012
Title: Age-Related Disease Study II (AREDS II): A Multi-Center, Randomized Trial of Lutein, Zeaxanthin, and Omega-3 Fatty Acids in Age Related Macular Degeneration

PI: Houston, D
Total: $96,653
Source: NIA
Term: 9/1/2008 – 8/31/2010
Title: Vitamin D Status, Related Gene Polymorphisms, and Physical Function in Elders

PI: Kaplan, JR
Total: $663,079
Source: NHLBI
Term: 1/01/2005 – 12/31/2009
Title: Soy, Life Stage, Stress and Atherosclerosis in Females

PI: Kritchevsky, S
Total: $494,299
Source: NIA
Term: 9/30/2007 – 8/31/2010
Title: Vitamin D, Falls, Fractures, and Function in Community-Dwelling Older Adults

PI: Parks, J
Total: $178,808
Source: NHLBI
Term: 4/01/2009 – 3/31/2010
Title: Integrative Lipid Metabolism, Inflammation, and Chronic Diseases

PI: Shea, M
Total: $50,000
Source: AHA
Term: 7/01/2009 – 6/30/2010
Title: Iron Status: A Pathway Analysis in Multiple Ethnicities

PI: Shively, BM
Total: $31,888
Source: s/University of California – Irvine
Term: 8/14/2006 – 7/31/2010
Title: Iron Status: A Pathway Analysis in Multiple Ethnicities

PI: Wibley, A
Total: $35,776
Source: NIH
Term: 7/01/2008 – 6/30/2010
Title: Echium Oil Modulates Macrophage Inflammation by Promoting Alternative Action

PI: Williamson, JD
Total: $128,279
Source: NHLBI s/University of Pittsburgh
Term: 8/01/2009 – 7/30/2010
Title: Ginkgo Biloba Prevention Trial in Older Individuals

PI: Williamson, JD
Total: $20,375
Source: s/University of California – San Diego
Term: 1/01/2007 – 6/30/2010
Title: Effects of Docosahexanoic Acid (DHA) in slowing the Progression of Alzheimer's Disease

Lifestyle (including environment, exercise and fitness, mind-body, nutrition and diet, stress): $11,159,619; N=37

Combination: $1,964,699; N=10

PI: Ambrosius, W
Total: $95,677
Source: s/Wake Forest University
Term: 8/01/2005 – 4/30/2010
Title: Cooperative Lifestyle Intervention Program

PI: Espeland, M
Total: $31,628
Source: NIDDK
Term: 8/01/2008 – 1/31/2009
Title: Study of Health Outcomes of Weight Loss (SHOW)

PI: Foy, C
Total: $491,237
Source: NIH
Term: 8/18/2009 – 5/31/2014
Title: Prevention of Weight Gain in Young Adults

PI: Grzywacz, J
Total: $426,665
Source: NICHD
Term: 12/01/2008 – 11/30/2009
Title: Women's Eating & Physical Activity Habits: The Influence

PI: Kritchevsky, S
Total: $126,708
Source: NIA
Term: 9/30/2009 – 8/31/2014

Title: Intentional Weight Reduction and Physical and Cognitive Function

PI: Nicklas, B
Total: $160,189
Source: s/Wake Forest University
Term: 9/01/2006 – 6/30/2011
Title: Intensive Dietary Restriction with Exercise in Arthritis

PI: Schwartz, R
Total: $36,106
Source: s/University of Michigan
Term: 4/01/2008 – 1/31/2010
Title: BMI2-Brief Motivational Interviewing for BMI Reduction

PI: Skelton, J
Total: $215,831
Source: Kate B. Reynolds Charitable Trust
Term: 1/01/2009 – 12/31/2009
Title: A Proposal to Expand Brenner Fit

PI: Skelton, J
Total: $168,429
Source: The Duke Endowment
Term: 7/01/2008 – 6/30/2010
Title: A Proposal to Expand Brenner Fit

PI: Spangler, JG
Total: $212,229
Source: NCI
Term: 9/1/2009 – 8/31/2011
Title: Nutrition, Exercise, and Weight Management Lifestyle Intervention (NEW Lifestyle) Curriculum

Environment: $912,108; N=4

PI: Hutchinson, K
Amount: N/A
Source: N/A
Term: N/A
Title: Ambient Therapy Efforts that Potentially Offer Sustainable Self-Care Opportunities for Adolescents Coping with Psychiatric and Behavioral Health Disorders

PI: Kemper, KJ
Amount: $458,250
Source: NIH NCCAM
Term: 2/01/2005 – 1/31/2009
Title: K24 AT0002207 Heart Rate Variability Response to CAM in Pediatrics

PI: Quandt, S
Total: $443,858
Source: NIOSH
Term: 9/01/2009 – 8/31/2010
Title: Reducing Pesticide Exposure in Farmworkers

PI: Tegeler, CH
Total: $10,000
Title: Ambient Therapy
Source: Winston-Salem Foundation:
Mr. & Mrs. Craven B. Page Advised Fund
Term: N/A

Exercise and Fitness: $2,691,608; N=4

PI: Miller, M
Total: $1,703,866
Source: s/University of Florida
Term: 9/01/2009 – 8/31/2010
Title: Physical Exercise to Prevent Disability

PI: Nicklas, B
Total: $345,719
Source: NIAID
Term: 7/01/2006 – 6/30/2010
Title: Exercise Training and Inflammatory Risk Factors for Disability

PI: Nicklas, B
Total: $436,295
Source: NIA
Term: 9/1/2009 – 6/30/2010
Title: Loss of Fat Tissue and Functional Responses to Exercise in Older, Obese Adults

PI: Nicklas, B
Total: $205,728
Source: NHLBI
Term: 9/30/2009 – 7/31/2010
Title: Intervening On Spontaneous Physical Activity To Prevent Weight Regain in Women

Mind-Body: $383,356; N=2

PI: Coghill, R
Total: $333,356
Source: NIDA
Term: 8/05/2005 – 6/30/2010
Title: Dynamic Mechanisms of Pain Modulation

PI: Kemper, KJ
Total: $50,000
Title: Healthy Lives, Healthy Minds
Source: Kohlberg Foundation
Term: 7/01/2007 – 6/30/2010

Nutrition and Diet: $857,041; N=4

PI: Bertoni, A
Total: $222,000
Title: Translating Dietary Trials into the Community
Source: NHLBI
Term: 9/15/2008 – 7/31/2010

PI: Goff, D
Total: $592,266
Title: Translating Research into Prevention of Diabetes (TRIP Diabetes)
Source: NIDDK
Term: 6/23/2009 – 12/31/2009

PI: Sergeant, S
Total: $20,000
Title: Wake Forest Center for Botanical Lipids entitled: Marine Microalgae as Source of Polyunsaturated Fatty Acids
Source: NIH/NCCAM
Term: 11/01/01 – 03/31/10

PI: Voytko, ML
Total: $22,775
Title: Dietary Restriction and Aging in Rhesus Monkeys
Source: s/University of Wisconsin-Madison
Term: 5/01/2006 – 1/31/2011

Stress: $4,350,817; N=13

PI: Brenes, G
Total: $10,000
Title: A Translational Approach to the Assessment and Treatment of Generalized Anxiety Disorder
Source: WFUSM Venture Grant
Term: 8/01/2009 – 7/31/2010

PI: Daunais, JB
Total: $342,490
Title: Measuring Alcohol and Stress Interactions with Structural and Perfusion MRI
Source: NIAAA
Term: 7/15/2007 – 3/31/2010

PI: Friedman, D
Total: $451,536
Title: Early Stress and Alcoholism: Functional Analyses in Brain
Source: NIAAA
Term: 9/30/2006 – 8/31/2010

PI: Friedman, D
Total: $368,612
Title: Early Stress and Alcoholism: Neurobiological Analysis
Source: NIAAA
Term: 2/01/2009 – 1/31/2010

PI: Hemby, S
Total: $199,994
Title: Behavioral and Biochemical Assessment of Quetiapine in a Non-Human Primate Model of Stress-Induced Depression
Source: AstraZeneca
Term: 8/05/2009 – 1/04/2011

PI: Jones, S
Total: $257,340
Title: Ethanol, Stress and Dopamine
Source: NIAAA
Term: 9/1/2009 – 8/31/2011

PI: McCool, BA
Total: $340,100
Title: Ethanol & Anxiety: Cellular Mechanisms
Source: NIAAA
Term: 2/01/07 – 01/31/2010

PI: McCool, BA
Total: $150,000
Title: Genetic Regulation of the Ethanol/Anxiety Interaction: Neurobiological Mechanisms
Source: NIAAA
Term: 2/01/07 – 01/31/2010

PI: Nader, M
Total: $438,560
Title: Social Stress: Vulnerability to Cocaine Abuse in Monkeys
Source: NIDA
Term: 7/01/2005 – 6/30/2010

PI: Nader, MA
Total: $340,160
Source: NIDA
Term: 05/01/2004 – 4/30/2009

Title: Chronic Stress and Vulnerability to Cocaine Abuse in Female Monkeys

PI: Shively, CA
Source: NHLBI
Total: $683,779
Term: 7/01/2007 – 6/30/2012
Title: Depression and Coronary Artery Atherosclerosis in Premenopausal Primates

PI: Shively, BM
Source: NIH
Total: $222,000
Term: 7/01/2009 – 3/31/2010
Title: Cellular and Molecular Basis of Hippocampal Atrophy in Depressed Female Monkeys

PI: Shively, C
Source: NHLBI
Total: $546,246
Term: 7/01/2007 – 6/30/2010
Title: Depression and Coronary Artery Atherosclerosis in Premenopausal Primates

Research and Education: [$153,000]; N=2

PI: Kemper, KJ
Source: Sam Booke, Philanthropist
Amount: [$3,000]
Term: 3/01/08 – 2/28/2009
Title: Sam Booke support for Nutrition Training (See Philanthropic Gifts)

PI: Kemper, KJ
Source: Hank and Lynn Hopeman Foundation, Inc.
Amount: [$150,000]
Term: 2/01/2009 – 12/31/2010
Title: Center for Integrative Medicine (See Philanthropic Gifts)

Women's Health: $614,747; N=4

PI: Avis, N
Source: NCCAM
Total: $147,694
Term: 9/30/2009 – 9/29/2011
Title: Effectiveness of Integral Yoga on Objective and Subjective Menopausal Hot Flashes (Competitive Revision – ARRA Supplement)

PI: Avis, N
Source: DHHS
Total: $294,988
Term: 5/01/2009 – 4/30/2012
Title: Effectiveness of Integral Yoga on Objective and Subjective Menopausal Hot Flashes

PI: Clarkson, T
Source: NIH
Total: $43,000
Term: 8/2/2009 – 7/31/2010
Title: Symposium – Depressive Symptom and Cognitive Complaints in the Menopausal Transition: Scientific Update and Clinical Translation

PI: Vitolins, M
Source: NHLBI
Total: $129,065
Term: 3/15/93 – 9/14/10
Title: Vanguard Clinical Centers for Clinical Trial and Observational Study for the Women's Health Initiative – East