



OFFICE OF RESEARCH
ANNUAL REPORT

2005–2006



UNC
SCHOOL OF
PUBLIC HEALTH

OFFICE OF RESEARCH ANNUAL REPORT

MESSAGE FROM THE ASSOCIATE DEAN OF RESEARCH



One of the important missions of the UNC-School of Public Health is to create and disseminate knowledge that addresses local, national and global health needs and priorities. This past year, the dedicated faculty, staff and research students here at the School have made tremendous progress in research. Our researchers have contributed an amazing array of investigations, analyses, designs, services and tools. The stories, charts, graphs, and lists in the next few pages demonstrate our commitment to research as well as our accomplishments and impacts. The School is committed to strong research goals:

- Build the strongest research programs — capable of transcending disciplinary boundaries — to discover new knowledge and turn knowledge into evidence-based programs, policies and practices.
- Disseminate the highest standards of training and research to better shape public health practice and the lives of people everywhere, whether that means

recognizing an essential nutrient, demonstrating a better method for cleaning contaminated water or more effectively teaching mothers to care for their newborns.

- Disseminate the best research, training and information to improve public health practices and evaluate their impact on the lives of people everywhere.

To enhance the research enterprise, the Office of Research continues to develop initiatives and services to support faculty, staff and students so that the School can continue as a world leader in public health research. One major initiative is promotion of interdisciplinary research within the School, across UNC, and across organizations and borders. Dr. Tony Waldrop, Vice Chancellor of Research and Economic Development, emphasizes the importance of this effort: **“By encouraging and enabling**

faculty from different disciplines to tackle tough scientific and societal problems together, we not only create a more robust research and educational environment, we also give the university a competitive edge for funding dollar.” Our strengths across complementary areas allow us to continue to explore new ways to fulfill our mission of creating new knowledge that directly benefits people’s lives. That knowledge runs the gamut, from the discovery of genes related to obesity and HIV, to innovations to develop drinkable water and clean air to programs to deal with emergency preparedness.

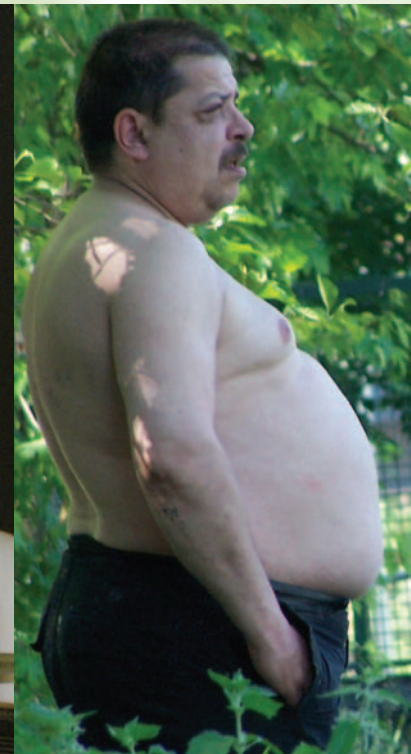
In this report you will find a small collection of research stories, highlighting a multitude of successes during 2006 and illustrating ways our researchers are making a difference. Additional research achievements and detailed information about our researchers are available on our website and elsewhere in this report. UNC-SPH scientists are conducting research not only in North Carolina, but also in Alaska and Zambia, truly working from A to Z. I think you will agree UNC School of Public Health research is making a major impact worldwide.

Steven Zeisel
Associate Dean of Research
School of Public Health

TOWARDS A BETTER UNDERSTANDING OF THE GENETICS OF OBESITY PREDISPOSITION

Daniel Pomp, PhD, a professor in the Departments of Nutrition and Cell and Molecular Physiology, works to identify those genes which predispose individuals to obesity. Dr. Pomp is comparing genes from several mouse strains specifically bred for obesity studies. These mice were bred to consume greater or lesser calories, burn less or more energy through metabolism, and/or exercise less or more, causing obesity or leanness. **To identify these genes, researchers use incorporate a whole systems approach combining DNA testing with microarray analysis of RNA, which measures gene expression across the entire genome at once.**

As scientists identify these obesity predisposition genes, they'll work to obtain a better understanding of how they function. The implications extend well beyond Pomp's lab. After genes are located in mice, medical researchers can use the



information to see if they play similar roles in human population.

The National Institutes of Health and the Nebraska Tobacco Settlement Biomedical Research Development Fund support this research.

NO BORDERS TO PUBLIC HEALTH



UNC School of Public Health researchers work in **30** countries, **87** sites in the US and **183** sites in North Carolina.

NEW COMBINED THERAPY REMOVING DORMANT HIV IN IMMUNE SYSTEM CELLS MAY LEAD TO FUTURE AIDS SOLUTION

A UNC study finds that the drug valproate (valproic acid), in combination with an intensified version of the standard AIDS drug cocktail known as HAART, or highly active anti-retroviral therapy, might eradicate dormant HIV viruses from their hiding place in resting immune cells.

“Studies have shown that persistent infection in a reservoir of resting, or quiescent CD4+ T cells prevents viral eradication by HAART,” said Dr. David M. Margolis, the study’s senior author. **“Our findings suggest a new and practical approach to eliminate HIV infection in this persistent reservoir.”**

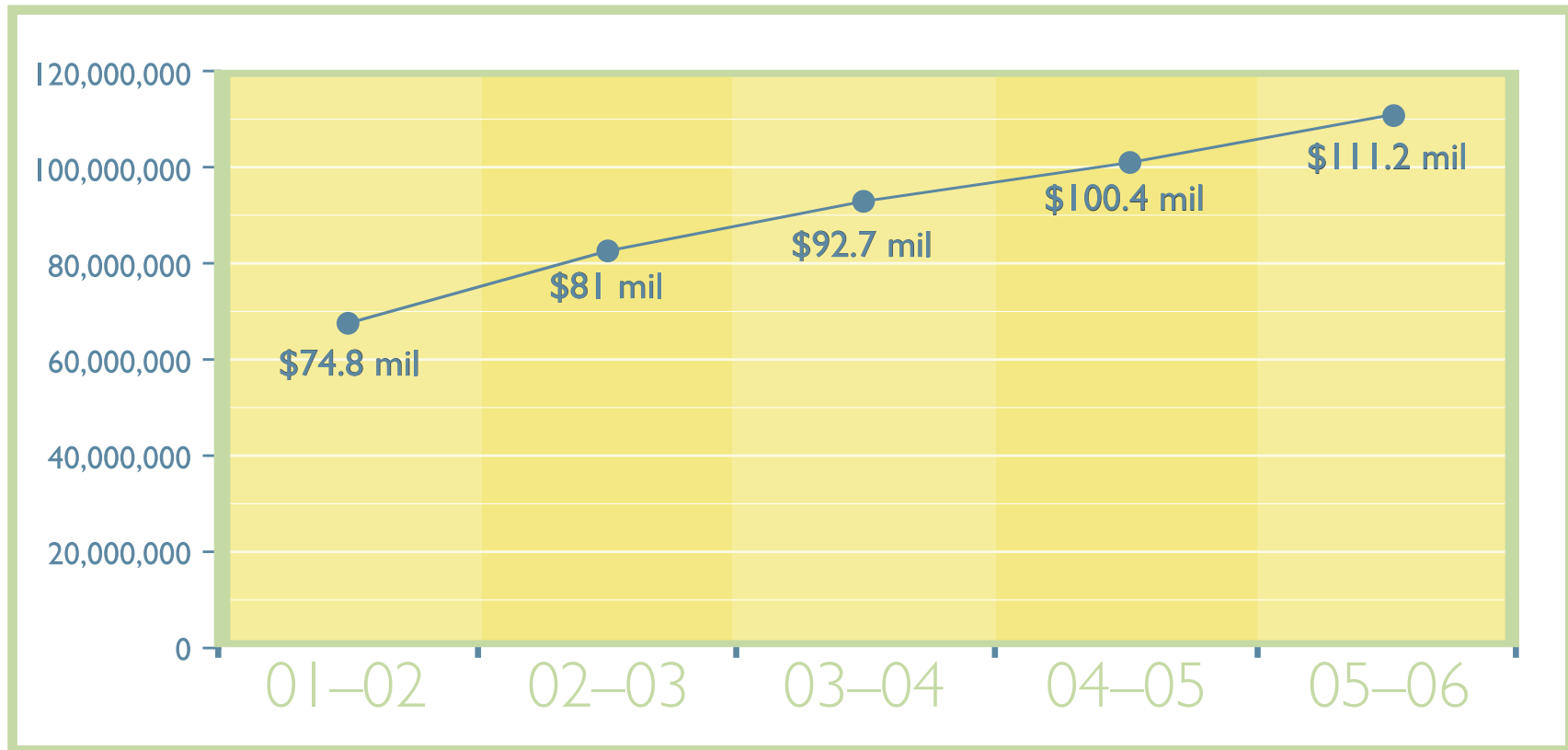
Dr. Margolis is a Professor of Epidemiology in UNC’s School of Public Health, as well as a Professor of Medicine, Microbiology and Immunology in the School of Medicine.



Funding for this research has been provided by The National Institutes of Health and the Veterans Affairs Research Service. The study appears in the August 13, 2005 issue of *The Lancet*.

CONTRACT AND GRANT AWARDS BY SPH PRINCIPAL INVESTIGATORS

Fiscal Years Ending June 30



There has been a *steady growth* of funding awarded to SPH PIs.

DOCTORAL STUDENT'S RESEARCH ON NEWBORN SCREENINGS GARNERS RECOGNITION

Kimberly Cobb, a doctoral student in the Department of Maternal and Child Health in UNC's School of Public Health, studied newborn screening for metabolic disorders in North Carolina and how information from screenings is shared with families. Her three-paper study examined salient public health issues that have emerged for the expanded NC Newborn Screening Program. **Metabolic disorders can be treated through dietary modifications and use of special formula, foods and/or supplements to eliminate or reduce symptoms.** Early intervention can prevent neurological or other damage. In the U.S. newborn screening identifies approximately 3000 new cases each year, a frequency equal to that of juvenile onset diabetes mellitus. The success of NBS programs depends on their ability to diagnosis and treat an infant early enough to prevent irreversible consequence of the disorder. She also examined pediatricians' knowledge of the purpose and procedures

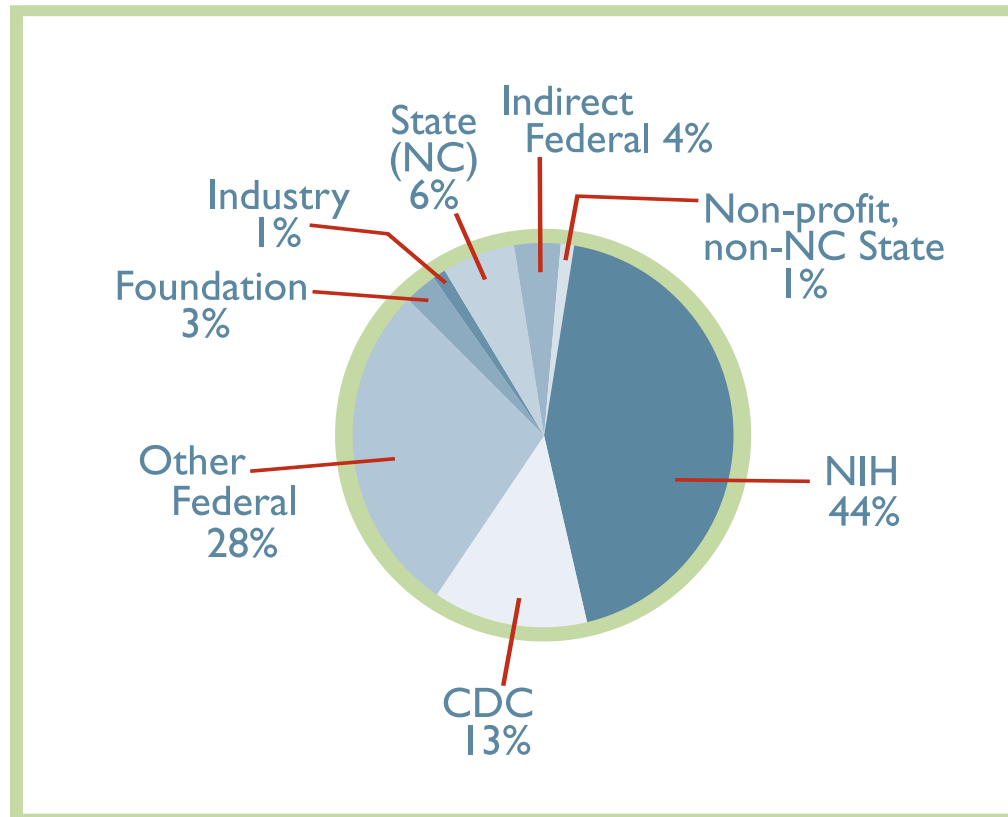


for newborn screening what NC pediatric primary care physicians know about NBS, their beliefs in its benefits and how NBS is incorporated into clinical practices.

Cobb received a James J. Gallagher Dissertation Award of \$1500 for her research on policies that affect children and families. Funding for the award came from an endowment established in 2004.

CONTRACTS AND GRANTS BY FUNDING AGENCY

for Fiscal Year 2005–2006



NIH and CDC were the source of **57%** of the School's contracts and grants (2006).

NEW TEST HELPS LATINO PATIENTS, HEALTH CARE WORKERS COMMUNICATE

A UNC School of Public Health led study has resulted in a new, easy-to-use health literacy test which helps health care workers identify patients that may need alternative communication methods, such as audio, video or pictures. It is administered in Spanish and is known as **SAHLSA (Short Assessment of Health Literacy for Spanish-speaking Adults)**.

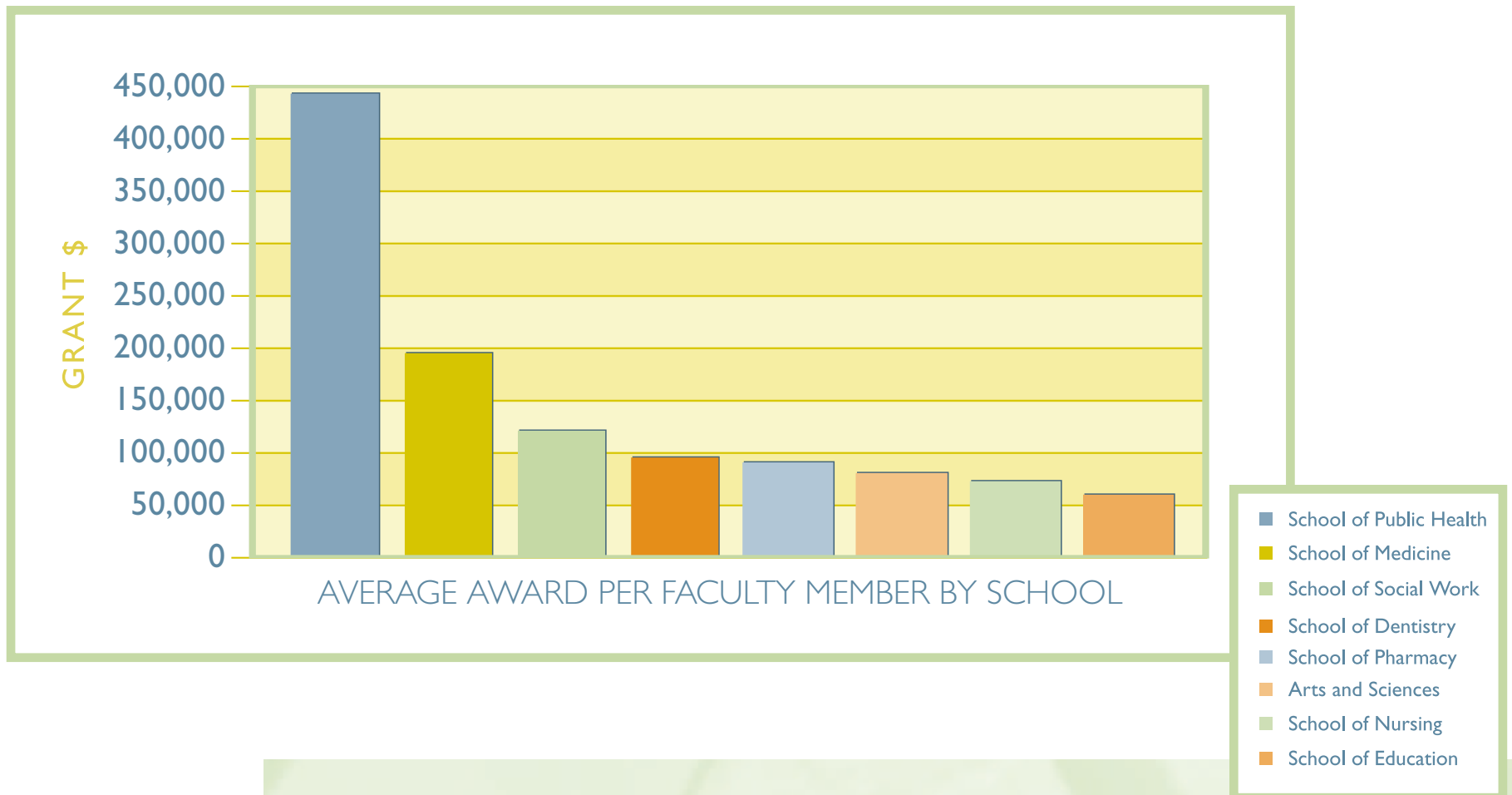
Spanish-speaking residents often face health threats, such as job-related accidents. They may be reluctant to enter a hospital because of the language barrier. This test only takes a few minutes and will help to alleviate difficulties in communication.

Co-investigators in the study were Dr. Shoou-Yih D. Lee, professor, and Dr. Deborah E. Bender, research professor, from the Department of Health Policy and Administration in UNC's School of Public Health.



The study was supported financially by the Agency for Healthcare Research and Quality, an arm of the US Department of Health and Human Services. The journal *Health Services Research* published the study online.

COMPARISON OF AVERAGE AWARD AMOUNT ACROSS UNC SCHOOLS



The average faculty member from the School of Public Health **received \$444,800** in Grant Funding for the 2005–2006 year.

RESEARCHERS IDENTIFY CORE TRAITS STRONGLY LINKED TO EATING DISORDERS AFFECTING 11 MILLION AMERICANS

An international team of researchers led by investigators at the University of North Carolina at Chapel Hill and the University of Pittsburgh School of Medicine has **identified six core traits that appear to be linked to genes associated with two common eating disorders: anorexia and bulimia nervosa.** The new findings, which appear in two papers published in the current online edition of the American Journal of Medical Genetics Part B, bring researchers closer to identifying specific genes and also may have implications for genetic studies of other complex genetic disorders. These six core traits are: “obsessionality” (a form of perfectionism); age at menarche (menstruation); anxiety; lifetime minimum body mass index (BMI), a measure of body size based on height and weight; concern over mistakes; and food-related obsessions.



“The research underscores how critically important genetics are in the origins of eating disorders,” said Dr. Cynthia M. Bulik, professor of Nutrition at the School of Public Health, Professor of Psychiatry at the School of Medicine, Director of the Eating Disorders Program at UNC’s School of Medicine and lead author of the first paper.

Dr. Bulik holds the first endowed professorship in eating disorders in the United States.

NIH AWARDS TO SCHOOLS OF PUBLIC HEALTH

(Federal FY 04–05)

RANK	INSTITUTION	# of AWARDS	AMOUNT
1	Johns Hopkins University	210	\$118,329,602
2	Harvard University (Sch Of Public Hlth)	179	\$103,970,906
3	University Of Pittsburgh At Pittsburgh	86	\$56,899,133
4	Columbia University Health Sciences	76	\$40,297,071
5	University Of Minnesota Twin Cities	44	\$38,493,143
6	University Of North Carolina at Chapel Hill	107	\$36,824,936
7	University Of Washington	65	\$32,550,341
8	University Of Michigan At Ann Arbor	58	\$29,515,236
9	University Of Texas Hlth Sci Ctr Houston	33	\$20,147,786

Actual NIH awards to all SPH Faculty.

Does not credit all grants for SPH faculty.

Table source: <http://grants1.nih.gov/grants/award/trends/dohied.htm>
 Note: **NIH Fiscal year differs from SPH Fiscal year.**

UNC SPH faculty were awarded **\$42 million** from NIH in 2004–2005.

HOME-BASED ENVIRONMENTAL INTERVENTION OF ASTHMA IS COST-EFFECTIVE

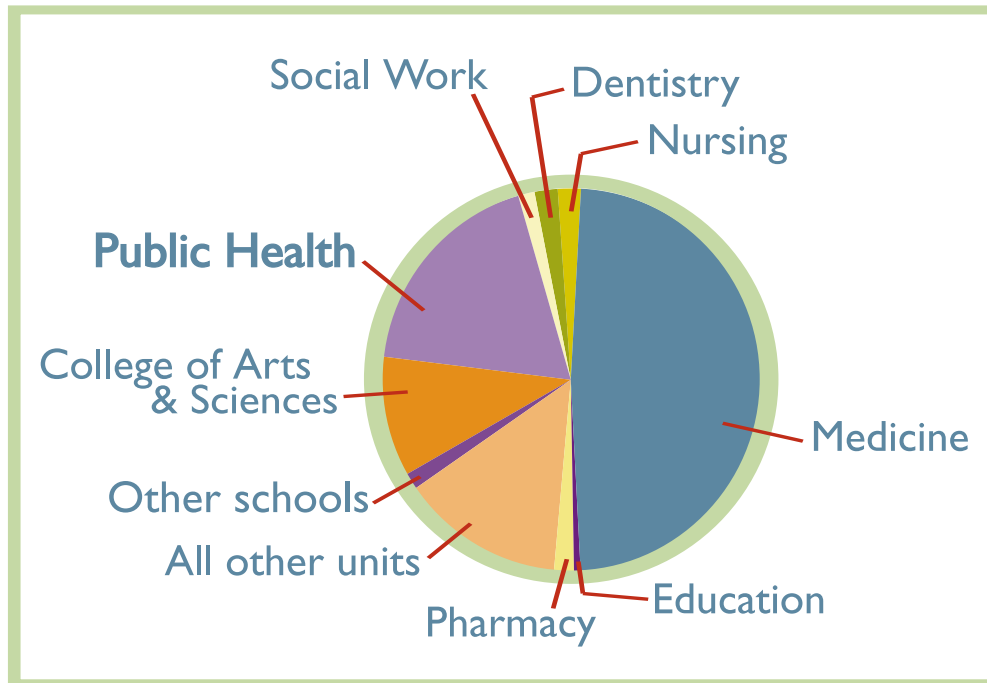
A multi-center study demonstrated that a comprehensive home-based environmental intervention designed to reduce the exposure of inner-city children with asthma to irritants and allergens resulted in decreased symptoms and unscheduled doctor visits.

“The home-based intervention is particularly advantageous as it addresses some of the underlying causes of asthma in a cost-effective manner instead of simply treating the disease symptoms,” Dr. Sally Stearns said. Dr. Stearns, Associate Professor of Health Policy and Administration at UNC’s School of Public Health and Dr. Meyer Kattan of the Mount Sinai School of Medicine led the cost-effectiveness analysis.

Support for the study came from the National Institute of Allergy and Infectious Diseases and the National Institute of Environmental Health Sciences. The cost-effectiveness results were reported in the *Journal of Allergy and Clinical Immunology*.



EXTERNAL FUNDING BY SCHOOL



COLLEGE/SCHOOL	AMOUNT
Medicine	\$288,199,703.72
Public Health	\$111,200,000.38
College of Arts & Sciences	\$60,356,550.68
Dentistry	\$11,762,535.22
Nursing	\$9,960,127.04
Pharmacy	\$9,129,142.30
Social Work	\$8,683,882.20
Education	\$3,453,587.49
Other schools (below):	\$8,162,692.64
Journalism and Mass Communications	\$4,755,364.91
School of Business Administration	\$591,794.28
School of Government	\$1,978,533.45
School of Information Library Science	\$837,000.00
School of Law	\$82,482,305.25
All other units	\$82,482,305.25
TOTAL	\$593,390,526.54

The School is a *major source of external funding* for the UNC campus.

TEEN CONSTRUCTION WORKERS IN NC OFTEN PERFORM RISKY, PROHIBITED TASKS

A telephone survey of young people ages 14–17 who worked construction jobs with necessary work permits suggests that most — 84 percent — performed tasks on the job that people under age 18 are prohibited by law from doing.

“These activities put teenaged workers at great risk because they don’t yet have the training, experience or judgment to handle a task like using a skill saw or operating a fork lift,” said Dr. Carol Runyan, lead author of the study, Director of UNC’s Injury Prevention Research Center and a Professor of Health Behavior and Health Education in the UNC School of Public Health.

Runyan concludes that employers, parents and teens need to understand not only the laws but the dangers associated with legal activities as well. More importantly, the major issue is enforcement of the laws designed to protect young workers. Dr. Runyan



suggested that people interested in knowing more about labor rules and laws visit the state labor department’s web site: www.nclabor.com.

The study was funded by the National Institute of Occupational Safety and Health. A comprehensive report of the findings may be found in the journal *Archives of Pediatric and Adolescent Medicine*, July 2006.

AWARDS BY DEPARTMENT

(2006 Awards)

	By SPH PIs
Biostatistics	8,784,599
Environmental Sciences and Engineering	9,547,278
Epidemiology	25,927,596
Health Behavior and Health Education	6,874,891
Health Policy and Administration	4,686,805
Maternal and Child Health	30,457,008
NC Institute for Public Health	2,195,450
Nutrition	19,747,716
Public Health Leadership/Nursing	1,849,376
Environmental Health & Susceptibility	1,506,721
Dean's Office	1,116,209
SPH TOTAL	111,186,928

UNC Public Health researchers were awarded **372** grants and contracts to support their research in 2006.

OLD-FASHIONED SOAP AND WATER WORK BEST IN RIDDING HANDS OF DISEASE VIRUSES

UNC researchers led the largest, most comprehensive study ever done comparing the effectiveness of hand hygiene products. **The team determined that nothing works better in getting rid of disease-causing viruses than simply washing your hands with soap and water.**

For the first time, the UNC researchers evaluated what occurred when people cleaned their hands for just 10 seconds, the average time health care workers were observed to spend washing or disinfecting their hands (previous studies had tested washing for 30 seconds).

The UNC team studied the efficacy of 14 different hand hygiene agents in reducing bacteria and viruses from the hands. No other studies have measured the effectiveness in removing both bacteria and viruses at the same time.

The research team consisted of Dr. David Weber, Professor of Epidemiology at UNC's School of Public Health, Dr. Mark Sobsey,



Professor of Environmental Sciences and Engineering in Public Health, Dr. William Rutala, Professor of Medicine at UNC's Scholl of Medicine, and Dr. Emily Sickbert-Bennett, Public Health Epidemiologist with the UNC's Health System and the School of Public Health. The NC Statewide Program for Infection Control and Epidemiology supported the research. A report on the findings appears in the March 2005 issue of the *American Journal of Infection Control*.

2005–2006 GRANT AND CONTRACT AWARDS

(Listed by PI Home Department)

BIOSTATISTICS

Biostatistics, **Agans, Robert P**, *CBMS 2005 Survey*, Conference Board of Mathematical Sciences

Carolina Population Center, **Bilborrow, Richard E**, *Doctoral Dissertation Research: Out-Migration, Environmental Change and Rural Livelihoods in the Southern Ecuadorian Andes*, National Science Foundation - Research

Carolina Population Center, **Bilborrow, Richard E**, *Millennium Development Goals for Refugees and IPDs*, Netherlands Interdisciplinary Demographic Institute (NIDI)

Biostatistics, **Chambless, Lloyd E**, *Atherosclerosis Risk in Communities (ARIC) - Coordinating Center*, National Institute of Heart, Lung, and Blood

Biostatistics, **Chambless, Lloyd E**, *Atherosclerosis, Plaque, and CVD in Communities*, University of Texas at Houston

Biostatistics, **Chambless, Lloyd E**, *JHS-ARIC Surveillance*, Jackson State University

Biostatistics, **Chambless, Lloyd E**, *LpPLA2 and Peripheral Arterial Disease Study*, GlaxoSmithKline, Inc

Biostatistics, **Couper, David J**, *Cost-effectiveness of Alcohol Treatment*, Research Triangle Institute

Biostatistics, **Herring, Amy**, *Biostatistics for Research in Environmental Health*, National Institute for Environmental Health Sciences

Biostatistics, **Herring, Amy H**, *Modeling Complex Exposures and Reproductive Outcomes*, National Institute of Child Health & Human Development

Biostatistics, **Hudgens, Michael G**, *Group Testing in the Presence of Error with Application to HIV/AIDS*, National Institute of Allergy & Infectious Diseases

Biostatistics, **Hudgens, Michael G**, *Methods for Evaluating Vaccine Efficacy in the Field*, Emory University

Biostatistics, **Ibrahim, Joseph**, *Bayesian Approaches to Model Selection for Survival Data*, National Institute for General Medicine Science

Biostatistics, **Ibrahim, Joseph G**, *Biostatistics for Research in Genomics and Cancer*, National Cancer Institute

Biostatistics, **Ibrahim, Joseph G**, *Inference in Regression Models with Missing Covariates*, National Cancer Institute

Biostatistics, **Ibrahim, Joseph G**, *Statistical Methods for Cardiotoxicity Studies in AIDS*, Brigham and Women's Hospital

Biostatistics, **Kalsbeek, William D**, *Behavioral Risk Factor Surveillance System: Task E (Design of Protocol for Rapid Response Surveillance)*, Research Triangle Institute

Biostatistics, **Kalsbeek, William D**, *SubTask 3.3 Senior Consultant: Survey Methodologist*, Research Triangle Institute

Biostatistics, **Koch, Gary G**, *Research Agreement with Novartis Pharmaceuticals Corporation*, Novartis Pharmaceuticals Corporation

Biostatistics, **Koch, Gary G**, *Research Agreement with Reckitt Benckiser*, Reckitt Benckiser Healthcare International Ltd.

Biostatistics, **Koch, Gary G**, *Research Agreement with Wyeth Consumer Healthcare*, Wyeth Consumer Healthcare

Biostatistics, **Koch, Gary G**, *Research Support/ Supported Research Agreement with GlaxoSmithKline*, GlaxoSmithKline, Inc

Biostatistics, **Koch, Gary G**, *Supported Res Agmt with Novartis Pharmaceuticals—Research Portion*, Novartis Pharmaceuticals Corporation

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Theravance Inc.*, Theravance, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Consumer & Personal Products Worldwide*, Johnson & Johnson

Biostatistics, **Koch, Gary G**, *Supported Research Agreement w/ KOS Pharmaceuticals Inc.*, Kos Pharmaceuticals, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Adolor Corp.*, Adolor Corporation

Biostatistics, **Koch, Gary G**, *Supported Research Agreement With Amgen Inc.*, Amgen, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Astellas Pharma US*, Astellas Pharma US, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Boots Health Care International Ltd.*, Boots Healthcare International Ltd.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Catalyst Pharmaceutical Research*, Catalyst Pharmaceutical Research

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

NEWER MEDICATIONS HAVE NO SUBSTANTIAL ADVANTAGE OVER OLDER MEDICATION

A **landmark study** has found that a drug (perphenazine) used since the 1950s to treat people with schizophrenia, works about as well as four newer more expensive drugs introduced in the 1990s.

The study has vital public health implications, as it provides doctors and patients with more useful medications than expected and high-quality information comparing those options.

Dr. Ed Davis, Professor and former chairman of the Department of Biostatistics in UNC's School of Public Health, was a member of the research team led by Dr. Scott Stroup and Dr. Joseph McEvoy.

The National Institute of Mental Health (NIMH) funded the \$60 million trial. The full report may be found in the September 22, 2005 issue of the *New England Journal of Medicine*.



BIostatISTICS

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with CV Therapeutics*, CV Therapeutics, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Elan Pharmaceuticals Inc.*, Elan Pharmaceuticals, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Forest Research Institute*, Forest Laboratories, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Genta Incorporated*, Genta Incorporated

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Human Genome Sciences, Inc.*, Human Genome Sciences, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with La Jolla Pharmaceutical Company*, La Jolla Pharmaceutical Company

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Ligand Pharmaceuticals Inc.*, Ligand Pharmaceuticals Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with MedImmune Inc.*, MedImmune, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Merck Research Laboratories*, Merck & Co., Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Novartis Consumer Health, Inc.*, Novartis Pharmaceuticals Corporation

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Otsuka Maryland Research Institute*, Otsuka Maryland Research Institute

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Pfizer, Inc.*, Pfizer, Inc.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Pharmion Corporation*, Pharmion Corporation

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with PPD Development Lp—Research Portion*, PPD Development, Inc

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Schwarz Biosciences Inc.*, Schwarz Biosciences, Inc

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Sigma-Tau Industrie Farmaceutiche Riunite SpA*, Sigma-Tau Industrie Farmaceutiche Riunite SpA

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with ThromboGene Ltd.*, ThromboGenics, Ltd.

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with United Therapeutics Corporation*, United Therapeutics Corporation

Biostatistics, **Koch, Gary G**, *Supported Research Agreement with Warner-Lambert Co. — Research Portion*, Warner Lambert Company

Biostatistics, **Kosorok, Michael**, *Semiparametric and Empirical Process Methods in Oncology*, National Cancer Institute

Biostatistics, **Kupper, Lawrence L**, *Biostatistics for Research in Environmental Health*, National Institute of Environmental Health Sciences

Biostatistics, **LaVange, Lisa**, *Data and Safety Monitoring Board for Hepatic Encephalopathy*, Salix Pharmaceuticals, Inc.

Biostatistics, **LaVange, Lisa**, *Longitudinal Examination of Arthritis Pain (LEAP): Analysis of Longitudinal Data*, GlaxoSmithKline, Inc

Biostatistics, **LaVange, Lisa**, *Statistical Consulting for Drug Study*, King Pharmaceuticals Research and Development Co., Inc

Biostatistics, **LaVange, Lisa**, *Validation of Statistical Analyses for Manuscript Preparation*, Pfizer, Inc.

Biostatistics, **Lin, Danyu**, *Semiparametric Regression Analysis of Censored Data*, National Institute of General Medicine Science

Biostatistics, **Lin, Danyu**, *Statistical Issues in AIDS Research*, University of Washington

Biostatistics, **Lin, Danyu**, *Statistical Methods in Current Cancer Research*, National Cancer Institute

Biostatistics, **Preisser, John S**, *Statistical Consultation for the Evaluation of the Enforcing Underage Drinking Law Program: Randomized Community Trial*, Wake Forest University School of Medicine

Biostatistics, **Qaqish, Bahjat F**, *Estimation of Association for Multivariate Binary Data*, National Cancer Institute

Biostatistics, **Rosamond, Wayne D**, *Epidemiology of Venous Thrombosis and Pulmonary Embolism (LITE II)*, University of Minnesota

Biostatistics, **Stevens, Hazel J**, *Community Characteristics and PA in Adolescent Girls*, Rand Corporation

Biostatistics, **Stevens, Hazel J**, *Trial of Activity in Adolescent Girls*, National Institute of Heart, Lung and Blood

Biostatistics, **Suchindran, Chirayath M**, *Research Training in Population Statistics*, National Institute of Child Health & Human Development

Carolina Ctr for Genome Sci, **Wright, Fred A**, *Computational Toxicology: Environmental Bioinformatics Research Center*, US Environmental Protection Agency

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

HAND WASHING AND DIAPERING EQUIPMENT REDUCES DISEASE AMONG CHILDREN

A new study led by Jonathan Kotch, Professor in the Department of Maternal and Child Health, **suggests that widespread adoption of equipment with impervious surfaces, built-in sinks, and touchless cabinets and faucets can reduce illness rates among children in out-of-home child care**, who experience twice as many episodes of infectious gastroenteritis as children reared at home.

Purpose-built equipment for diaper changing, hand washing, and preparing food was installed in 23 child care centers across the state, and each was matched with a control center. All 46 centers received the same state-of-the-art hygiene and sanitation training.

All centers experienced improved caregiver hygiene and sanitation. The intervention centers also experienced a significant reduction in the frequency of diarrheal disease and the proportion of days ill among children, and staff were less likely to be absent due to illness.



The study was funded by the Division of Child Development of the North Carolina Department of Health and Human Services, and supported in part by a grant from the National Institute of Environmental Health Sciences. Dr. David J. Weber of the Departments of Epidemiology, Medicine and Pediatrics also participated.

BIostatISTICS ENVIRONMENTAL SCIENCES & ENGINEERING

Biostatistics, **Zhou, Haibo**, *Statistical Methods for Outcome-Dependent Sampling*, National Cancer Institute

Biostatistics, **Zou, Fei**, *Robust Methods for Complex Trait Association Mapping*, Cystic Fibrosis Foundation

Biostatistics, **Zou, Fei**, *Robust Methods for Complex Trait Association Mapping*, National Institute of General Medicine Science

ENVIRONMENTAL SCIENCES & ENGINEERING

Environment Sciences & Engi, **Aitken, Michael D**, *Who's Doing What in a Complex Bioreactor? Stable Isotope Probing of Specific Degradation Engineered Biological Treatment Processes*, National Science Foundation - Research

Environment Sciences & Engi, **Ball, Louise M**, *NHEERL-DESE Cooperative Training in Environmental Sciences Research*, US Environmental Protection Agency - GRANTS

Environment Sciences & Engi, **Ball, Louise M**, *Subcon to NCSU: Synthesis of PAH labeled w/ stable isotopes for use in studies PAH bioavailability*, North Carolina State University

Environment Sciences & Engi, **Characklis, Gregory W**, *Identifying the Origins & Attachment Behavior of Non-point Source Microbial Contaminants*, Water Resources Research Institute - NCSU

Carolina Environmental Program, **Crawford-Brown, Douglas J**, *2005/2006 Moore Fellowship*, NC Beautiful

Carolina Environmental Program, **Crawford-Brown, Douglas J**, *Decision Support for Identifying Sustainable Patterns of Development in North Carolina Watersheds*, Wallace Genetic Foundation, Inc

Carolina Environmental Program, **Crawford-Brown, Douglas J**, *Distance Learning System for the CEP Albemarle Ecological Field Site*, Knapp Foundation

Environment Sciences & Engi, **Digiano, Francis A**, *Fluoride and NaCl Tracer Tests to Determine Water Residence Time in the Distribution System of Raleigh, NC*, Hazen & Sawyer

Environment Sciences & Engi, **Digiano, Francis A**, *Fluoride Tracer Tests to Determine Water Residence Time in the Distribution System of Cary, NC*, Camp Dresser McKee

Environment Sciences & Engi, **Digiano, Francis A**, *Impacts of Membrane Process Residuals on Wastewater Treatment*, Black & Veatch

Environment Sciences & Engi, **Digiano, Francis A**, *Student Fellowship for Mark Elliott*, US Environmental Protection Agency - GRANTS

Environment Sciences & Engi, **Farthing, Matthew**, *Air/Water Flow In Porous Media: Determination Of Accurate and Efficient Numerical Models & Methods*, Clemson University

Environment Sciences & Engi, **Jang, Myoseon**, *Atmospheric Organic Aerosol Production by Heterogeneous Acid-Catalyzed Particle-Phase Reactions*, National Science Foundation - Research

Environment Sciences & Engi, **Jang, Myoseon**, *NER: Targetting Technology of Suspended Gas-Phase Magnetic Nanoparticles on Biological Systems*, National Science Foundation - Research

Environment Sciences & Engi, **Kamens, Richard M**, *(Nadine Czoschke Fellowship) Acid Catalyzed Heterogeneous Reactions in Atmospheric Systems*, US Environmental Protection Agency - GRANTS

Environment Sciences & Engi, **Kamens, Richard M**, *Measurement of Organic Nitrates in the UNC Outdoor Chamber*, University of Vermont

Environment Sciences & Engi, **Miller, Cass T**, *CMG Research: Investigation of Multiphase Porous Medium Dynamics: Pore to Field Scale*, National Science Foundation - Research

Environment Sciences & Engi, **Miller, Cass T**, *Collaborative Research: Upscaled Mass Transfer Coefficients for Modeling Dissolution of Nonaqueous Phase Liquids in Homogeneous and Heterogeneous Poro*, National Science Foundation - Research

Environment Sciences & Engi, **Nakamura, Jun**, *Temodar Resistance in CNS Tumors*, Duke University

Environment Sciences & Engi, **Nylander-French, Leena A**, *Dermal Exposure to 1,6-Hexamethylene Diisocyanate*, National Institute for Occupational Safety & Health

Environment Sciences & Engi, **Rusyn, Ivan I**, *Analyses of Samples Generated at International Life Sciences*, Syngenta

Environment Sciences & Engi, **Rusyn, Ivan I**, *International Programme on Chemical Safety Data Collection*, World Health Organization

Environment Sciences & Engi, **Rusyn, Ivan I**, *Metabolomic and Toxicogenetic Study of Ethanol Toxicity*, National Institute on Alcohol Abuse & Alcoholism

Environment Sciences & Engi, **Rusyn, Ivan I**, *Minority Predoctoral Fellowship Program -Fellow Courtney Woods*, National Institute of Environmental Health Sciences

Environment Sciences & Engi, **Rusyn, Ivan I**, *Molecular Mechanisms of Phthalate-induced Carcinogenesis*, National Institute of Environmental Health Sciences

Environment Sciences & Engi, **Serre, Marc L**, *Use of BME to Estimate Water Quality in Unmonitored Stream Reaches: Linking BME/MATLAB to ArcGIS (extension of contracts SRO3-046 and SRO4-062)*, New Jersey Department of Environmental Protection

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

RESEARCH THAT SAVES LIVES

The North Carolina Institute for Public Health's (NCIPH) Center for Public Health Preparedness conducted a study to evaluate the improvements in the state's public health capacity to plan, prepare, and respond to public health emergencies. Researchers compared the State's involvement with two Category II North Carolina hurricanes: Hurricane Floyd on September 15, 1999 versus Hurricane Isabel on September 19, 2003.

The research reveals striking improvement: greatly reduced response time, greater communication, and more planning.

This work adds to the research knowledge base regarding public health preparedness and its capacity for events other than hurricanes such as contagious disease outbreaks and terrorist sabotage. Following Hurricane Katrina's devastation of the Gulf Coast, the Mississippi Department of Health asked the Deputy State Health Director's office for a similar evaluation of its capacity and response.

A summary article, "Evaluation of Public Health Response to Hurricanes Finds North



Carolina Better Prepared for Public Health Emergencies" will appear in the January/February, 2007 *Public Health Reports*. The four authors are Mary Davis, Director of Evaluation Services at NCIPH, Pia MacDonald, Director of the NC Center for Public Health Preparedness, Ed Baker, Director of the Institute, and Steve Cline, Deputy State Health Director.

ENVIRONMENTAL SCIENCES & ENGINEERING

Environment Sciences & Engi, **Singer, Philip C**, *Assessment and Control of Chloramination Practices for Water Distribution Systems in North Carolina*, Water Resources Research Institute – NCSU

Environment Sciences & Engi, **Singer, Philip C**, *Gwinnett County Service Agreement /RFP RPO44-1104 Statement of Qualifications for Consultant Demand Services*, Gwinnett County Purchasing Division

Carolina Environmental Program, **Singer, Philip C**, *Safe Drinking Water: Where Science Meets Policy*, Educational Foundation of America

Environment Sciences & Engi, **Sobsey, Mark D**, *Biosand Filter Health Impact Study in the Dominican Republic*, W. K. Kellogg Foundation

Environment Sciences & Engi, **Sobsey, Mark D**, *Comparative Analysis of Three Sustainable Point of Use Drinking Water Treatment Technologies for Developing Nations*, US Environmental Protection Agency – Contracts

Environmental Sciences & Engri, **Sobsey, Mark**, *Develop/Evaluation of Taqman-based realtime RT-PCR Assay for Sensitive Detection of FRNA Coliphage in Envir Wtr Samples*, US Environmental Protection Agency

Environment Sciences & Engi, **Sobsey, Mark D**, *Federal Portion-F+ Coliphages as Source Track Viral Indicators of Fecal Contamination in Coastal Waters & Shellfish*, North Carolina Sea Grant Program – NCSU

Environment Sciences & Engi, **Sobsey, Mark D**, *Impact of Pathogenic and Antibiotic Resistant Bacteria and Water Quality on or Near Swine Farms*, North Carolina Dept of Health and Human Services

Environment Sciences & Engi, **Sobsey, Mark D**, *Microbial Source Tracking Viral Indicators of Fecal Contamination in Shellfish and Estuarine Water*, NERRGR Fellowship – David Love, National Oceanic & Atmospheric Administration

Environment Sciences & Engi, **Sobsey, Mark D**, *Occurrence, Treatment and Evaluation of Analytical Methods of Waterborne Adenoviruses*, American Water Works Association Research Foundation

Environment Sciences & Engi, **Sobsey, Mark D**, *Sterilox Research Agreement*, Sterilox Technologies, Inc.,

Environment Sciences & Engi, **Swenberg, James A**, *Adduct as Quantitative Markers of Butadiene Mutagenesis*, National Institute of Environmental Health Sciences

Environment Sciences & Engi, **Swenberg, James A**, *Biomarker Responses in 1,3-Butadiene Exposed Workers in the Czech Republic II: Female-Male Comparisons*, BioMosaics

Environment Sciences & Engi, **Swenberg, James A**, *Environmental Exposure & Effect of Hazardous Chemicals-Prime*, National Institute of Environmental Health Sciences

Environment Sciences & Engi, **Swenberg, James A**, *Nonworking Prime-Environmental Exposure and Effect of Hazardous Chemicals*, National Institute of Environmental Health Sciences

Environ Health & Suscep, **Swenberg, James A**, *Nonworking Prime-UNC-CH Center for Environmental Health & Susceptibility*, National Institute of Environmental Health Sciences

Toxicology Curriculum, **Swenberg, James A**, *Pre- and Postdoctoral Training in Toxicology*, National Institute of Environmental Health Sciences

Environment Sciences & Engi, **Swenberg, James A**, *STTR-Ultrasensitive Methods for Human Biomarker Quantitation*, Eno River Labs, Inc

Environment Sciences & Engi, **Todd, Lori**, *The Search for Life on Worlds Around Other Stars: A Spectroscopic Analysis of Volatile Biogenic Signatures...*, University of Idaho

Environment Sciences & Engi, **Vinje, Jan**, *Develop/Evaluation of Taqman-based realtime RT-PCR Assay for Sensitive Detection of FRNA Coliphage in Envir Wtr Samples*, US Environmental Protection Agency – GRANTS

Environment Sciences & Engi, **Vizuete, William**, *Regional Transport Modeling for East Texas*, Houston Advanced Research Center

Environment Sciences & Engi, **Weinberg, Howard**, *Four Lab Study: Priority Chlorination Disinfection By-Product Analysis*, Southern California Metropolitan Water District

Environment Sciences & Engi, **Weinberg, Howard**, *Impact of Residual Pharmaceutical Agents & Their Metabolites in Wastewater Effluents on Downstream Drinking Water Treatment Facilities*, US Environmental Protection Agency

Environment Sciences & Engi, **Weinberg, Howard**, *Iodinated Acides & Iodide in Drinking Waer Supplies: Method Development for ng/L Levels of Detection Relevant for Application in Occurrence Surveys*, American Water Works Association Research Foundation

Environment Sciences & Engi, **Weinberg, Howard**, *Student Fellowship for Talia Chalew*, US Environmental Protection Agency

Environment Sciences & Engi, **Weinberg, Howard**, *Use of Indicators to Distinguish Between Point and Non-Point Sources of Chemical Contamination in North Carolina Streams*, Water Resources Research Institute - NCSU

Environment Sciences & Engi, **Whalen, Stephen C**, *RUI: A Geomorphic Trophic Hypothesis for Benthic-Pelagic Coupling in Arctic Lakes*, University of North Carolina at Greensboro

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

REDUCING THE COSTS OF MEETING REGIONAL WATER DEMAND THROUGH RISK-BASED TRANSFER AGREEMENTS

A rapidly growing water demand in the Research Triangle area of North Carolina is causing concern amongst regional utilities as the cost and environmental consequences of developing new water supplies present significant challenges.

Dr. Greg Characklis, Assistant Professor in Environmental Sciences and Engineering and Reed Palmer, an MS student, constructed a detailed stochastic model describing both the regional hydrology (water supply) and regional water demand. **This model was used to explore transfer agreements that would allow local utilities (e.g. Chapel Hill, Durham, Cary) to meet their growing demand with existing sources.**

Results suggest that probability-based agreements which determine the timing and size of transfers between communities based on the relative risk of shortage facing each, can reduce the costs of meeting demand by as much as 50%



relative to standard “take or pay” agreements. Results of this work also describe the tradeoff between infrastructure costs and the frequency and volume of transfers described in the agreement.

This research was funded by the NC Urban Water Consortium.

EPIDEMIOLOGY

EPIDEMIOLOGY

Epidemiology, **Baric, Ralph S**, *Macaque Model And Gene Expression Profiling Of Sars*, University of Washington

Carolina Vaccine Institute, **Baric, Ralph S**, *Nonworking Prime—Developing Vaccine Candidates For The Sars Coronavirus*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Baric, Ralph S**, *SARS Reverse Genetics*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Baric, Ralph S**, *SARS-CoV Mediated Modulation of Innate Immunity*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Baric, Ralph S**, *Studies into the Mechanism for MHV Replication*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Baric, Ralph S**, *Susceptibility and Protective Immunity to Noroviruses*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Behets, Wilfrida F**, *Clinic-based evaluation of rapid STI diagnostics in Madagascar*, World Health Organization

Epidemiology, **Behets, Wilfrida F**, *Diaphragm Acceptability Among STI Patients in Antanarivo, Madagascar*, Eastern Virginia Medical School

Epidemiology, **Behets, Wilfrida F**, *MASTER AGREEMENT—Effectiveness of diaphragm for prevent gonococcal & chlamydial infections*, University of Alabama at Birmingham

Epidemiology, **Behets, Wilfrida F**, *Peer Intervention as Pedagogic Paradigm in Kinshasa SPH*, National Institute of Child Health & Human Development

Epidemiology, **Behets, Wilfrida F**, *Strengthening Bioethics Capacity and Justice in Health*, Fogarty International Center

Epidemiology, **Behets, Wilfrida F**, *University Technical Assistance in Support of Global AIDS Program*, Centers for Disease Control

Epidemiology, **Behets, Wilfrida F**, *University Technical Assistance Projects in Support of the Global AIDS Program*, Centers for Disease Control

Biostatistics, **Carpenter, Myra A**, *Clinical Study of Vesicoureteral Reflux in Children*, National Institute of Diabetes, Digestive & Kidney Diseases

Biostatistics, **Carpenter, Myra A**, *Homocysteine-Lowering Trial for CVD in RTP: Supplement*, Rhode Island Hospital

Biostatistics, **Carpenter, Myra A**, *Randomized Intervention for Vesicoureteral Reflux (RIVUR)*, National Institute of Diabetes, Digestive & Kidney Diseases

Injury Prevention Research Ctr, **Casteel, Carri L**, *Dissemination Evaluation of an Older Adult Falls Prevention Program*, National Center for Injury Prevention and Control

Family Medicine, **Coeytaux, Remy R.**, *K23 Mentored Patient-Orientated Research Career Development Award—Clinical Trials of Acupuncture for the Treatment of Headache*, National Center for Complementary and Alternative Medicine

Family Medicine, **Coeytaux, Remy R.**, *Treatment of Headache Acupuncture for Hot Flashes*, Wake Forest University

Epidemiology, **Daniels, Julie L**, *Assessment of perinatal PBDE exposure and related child behavioral and cognitive developmental effects*, US Environmental Protection Agency

Epidemiology, **Daniels, Julie L**, *Centers of Excellence for Autism and Other Developmental Disabilities Epidemiology*, Centers for Disease Control

Epidemiology, **Daniels, Julie L**, *North Carolina Autism and Developmental Disabilities Monitoring Program*, Centers for Disease Control

Comprehensive Cancer Center, **Dorsey, Kathleen C**, *Molecular Epidemiology of Smoking & Breast Cancer*, National Cancer Institute

Ctr Health Prom Disease Prev, **Evenson, Kelly R**, *Active Transport to and From School: A Multi-site Exploration of Physical Activity Policy*, Saint Louis University

Epidemiology, **Evenson, Kelly R**, *Exploring Relationships Between Adult PA & Perceived & Objective Measures of Community Environmental Characteristics*, Robert Wood Johnson Foundation

Carolina Population Center, **Evenson, Kelly R**, *Understanding Change in Physical Activity Postpartum*, National Cancer Institute

Epidemiology, **Gammon, Marilie D**, *Related to 5-42893- One-Carbon Metabolism & Breast Cancer Survival in Population-Based Study*, Mt. Sinai School of Medicine
UNC Kidney Center, **Gipson, Debbie S.**, *Chronic Kidney Disease in Children Cohort*, John Hopkins University

Medicine, **Gipson, Debbie S.**, *Multicenter Trial of Focal Glomerulosclerosis*, National Institute of Diabetes, Digestive and Kidney Diseases

Medicine, **Gipson Debbie S.**, *A Random Controlled Trial of Mycophenolate Mofetil in Patients W/IaA Nephropathy*, Medical City Dallas Hospital

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

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Medicine, **Gipson, Debbie S.**, *Novel Therapies for Resistant FSGS*, Feinstein Institute for Medical Research

Medicine, **Gipson, Debbie S.**, *Prospect Study of Chronic Kidney Disease in Children*, John Hopkins University

Epidemiology, ***Guess, Harry A.**, *Consulting Services with Tengion: Project 1*, Tengion

Epidemiology, ***Guess, Harry A.**, *Consulting Services with Tengion: Project 2*, Tengion

Epidemiology, ***Guess, Harry A.**, *Health and Literacy in Child and Adult Assessment*, National Institute of Arthritis Musculoskeletal Skin Disease

Epidemiology, ***Guess, Harry A.**, *Mortality, Hospitalizations, & Medical Conditions in Children: Descriptive Epidemiology, Data Analysis, Report*, Research Triangle Institute

Epidemiology, ***Guess, Harry A.**, *Nonworking Prime — Rational Therapeutics for the Pediatric Population*, Agency for Healthcare Research and Quality

Epidemiology, **Heiss, Gerardo**, *Atherosclerosis Risk in Communities — Field & Ultra Read Center*, National Institute of Heart, Lung, and Blood

Epidemiology, **Heiss, Gerardo**, *Atherosclerosis, Plaque and CVD in Communities*, University of Texas at Houston

Epidemiology, **Heiss, Gerardo**, *Cardiovascular Epidemiology Training*, National Institute of Heart, Lung, and Blood, John Hopkins University

Epidemiology, **Heiss, Gerardo**, *Clinical Centers For Clinical Trial & Observational Study of Women's Health Initiative*, Women's Health Initiative (NIH)

Epidemiology, **Heiss, Gerardo**, *Inflammatory Precursors of Type 2 Diabetes*, University of Minnesota

Epidemiology, **Huston, Sara L.**, *Epidemiology and Evaluation Services*, North Carolina Division of Public Health

Epidemiology, **Jonsson-Funk, Michele L.**, *Effect of earlier HAART on HIV disease progression and survival*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Loomis, Dana P.**, *Chrysotile: New Exposure Indices and Cancer Epidemiology*, National Institute for Occupational Safety & Health

Injury Prevention Research Ctr, **Marshall, Stephen W.**, *Epidemiology of Jump-landing Movements & ACL Injury*, National Institute of Arthritis Musculoskeletal Skin Disease

Injury Prevention Research Ctr, **Marshall, Stephen W.**, *NC Violent Death Reporting*, NC Division of Public Health

Epidemiology, **Meshnick, Steven R.**, *Development of Novel Real Time PCR Methods*, Naval Medical Research Center

HIV STDS Infect Disease Ctr, **Meshnick, Steven R.**, *Infectious Disease Epidemiology Training for Malawians*, Fogarty International Center

Epidemiology, **Meshnick, Steven R.**, *Routes of Transmission of HIV in Malawian Mothers*, National Institute of Allergy & Infectious Diseases

Epidemiology, **Murphy, Carol V.**, *Effects of Hormone Therapy on Sub-coincidental Neurological Pathology (WHIMS/MRI)*, Wake Forest University

Epidemiology, **Murphy, Carol V.**, *Women's Health Initiative Memory Study*, Wake Forest University

Epidemiology, **Murphy, Carol V.**, *Women's Health Initiative Sub-study of Cognitive Aging*, Wake Forest University School of Medicine

Epidemiology, **North, Kari E.**, *Gene-by-Smoking Interaction and Risk of Atherosclerosis*, National Institute of Heart, Lung, and Blood

Epidemiology, **North, Kari E.**, *HyperGEN-NC*, University of Utah

Epidemiology, **North, Kari E.**, *Mapping adiposity QTLs in the NHLBI Family Heart Study*, Washington University @ St. Louis, Mo.

Epidemiology, **North, Kari E.**, *Strong Heart Family Study*, Southwest Foundation for Biomedical Research

Epidemiology, **Olshan, Andrew F.**, *Children's Cancer Research Network (CCRN)*, National Childhood Cancer Foundation

Comprehensive Cancer Center, **Olshan, Andrew F.**, *Estrogen Bioactivation and Risk of Ovarian Cancer*, Duke University Medical Center

Epidemiology, **Olshan, Andrew F.**, *Gene-Environment Interaction in Head and Neck Cancer*, National Cancer Institute

Epidemiology, **Olshan, Andrew F.**, *North Carolina Center for Birth Defects Research and Prevention*, Centers for Disease Control

Comprehensive Cancer Center, **Olshan, Andrew F.**, *The Molecular Epidemiology of Ovarian Cancer*, Duke University

Epidemiology, **Olshan, Andrew F.**, *Training Grant in Cancer Epidemiology*, National Cancer Institute

Epidemiology, **Pettifor, Audrey E.**, *STIs, hormonal contraception and HIV risk among young women in South Africa*, University of Washington

EPIDEMIOLOGY HEALTH BEHAVIOR & HEALTH EDUCATION

Epidemiology, **Poole, Charles L**, *Case Control Study of Environmental Exposures and Genetic Susceptibility in Individuals with Multiple Sclerosis in three (3) Geographic Areas*, McKing Consulting Corporation

Epidemiology, **Richardson, David B**, *Susceptibility and Occupational Radiation Risks*, National Institute for Occupational Safety & Health

Biostatistics, **Rosamond, Wayne D**, *Epidemiology of Venous Thrombosis and Pulmonary Embolism (LITE II)*, University of Minnesota

Epidemiology, **Rosamond, Wayne D**, *North Carolina Collaborative Stroke Registry: A Paul Coverdell National Acute Stroke Registry*, North Carolina Division of Public Health

Epidemiology, **Rosamond, Wayne D**, *Predictors of Sudden Cardiac Death in Community-Based Populations Subcon w/ Wake Forest*, Wake Forest University School of Medicine

Epidemiology, **Rose, Kathryn M**, *Effects of Neighborhood SES on CHD Burden in Communities*, National Institute of Heart, Lung, and Blood

NC Institute for Public Health, **Ryder, Robert W**, *Centers for Public Health Preparedness*, Centers for Disease Control

Epidemiology, **Ryder, Robert W**, *Psychiatric Disorders/HIV Interface In Women In Congo*, National Institute of Child Health & Human Development

Epidemiology, **Ryder, Robert W**, *Safe Pregnancy by Infectious Disease Control in Kinshasa*, National Institute of Child Health & Human Development

Epidemiology, **Savitz, David A**, *Ethnicity and Pregnancy Outcome in New York City*, National Institute of Child Health & Human Development

Carolina Population Center, **Savitz, David A**, *National Children's Study Vanguard Center - Duplin County*, National Institute of Child Health & Human Development

Epidemiology, **Schoenbach, Victor J**, *Minority Health Project Interactive Videoconferences*, Association of Schools of Public Health, Inc.

Epidemiology, **Schroeder, Jane**, *Epidemiology of Atypical Epstein-Barr Virus in Lymphoma*, National Cancer Institute

Carolina Population Center, **Setel, Philip W**, *Harmonized Data Quality Framework*, Global Fund to Fight Aids, TB, and Malaria

Carolina Population Center, **Setel, Philip**, *Verbal Autopsy Disease Burden Assessment*, University of Queensland

Nutrition, **Siega-Riz, Anna Maria**, *Dietary Assessments*, GlaxoSmithKline, Inc

Carolina Population Center, **Siega-Riz, Anna Maria**, *Pregnancy Related Weight Gain: A Link to Obesity*, National Institute of Diabetes, Digestive & Kidney Diseases

Epidemiology, **Smith, Jennifer S**, *Effect Of Male Circumcision On Human Papillomavirus*, National Cancer Institute

Epidemiology, **Thomas, James C**, *Neighborhood Effects On STD And AIDS Rates*, National Institute of Mental Health-NIH

Epidemiology, **Van Rie, Annelies T**, *Household Transmission Study of Bordetella Pertussis: Who infects young infants?*, Sanofi Pasteur MSD

Epidemiology, **Van Rie, Annelies T**, *Neurodevelopment and HIV/AIDS*, National Institute of Mental Health-NIH

Epidemiology, **Van Rie, Annelies T**, *Social Stigma of the new TB*, Fogarty International Center

Injury Prevention Research Ctr, **Villaveces, Andres**, *Project TEACH-VIP Youth*, Pan American Health Organization

Sheps Ctr for Hlth Serv Res, **West, Suzanne L**, *MASTER AGREEMENT—Developing Evidence to Inform Decisions about Effectiveness: The DEcIDE Network*, Agency for Healthcare Research and Quality

Epidemiology, **Whitsel, Eric A**, *The Environmental Epidemiology of arrhythmogenesis in WH*, National Institute of Environmental Health Sciences

Epidemiology, **Wing, Steven B**, *Community Health & Environmental Reawakening*, National Institute of Environmental Health Sciences

Epidemiology, **Wing, Steven B**, *Community Health Effects of Industrial Hog Operations*, National Institute of Environmental Health Sciences

Epidemiology, **Wing, Steven B**, *Short Courses for Environmental Health Research Ethics*, Syracuse University

HEALTH BEHAVIOR & HEALTH EDUCATION

Health Behavior & Health Educ, **Ayala, Guadalupe X**, *Tailored Asthma Communication to Improve Asthma Outcomes Among Preteens/Young Adolescents*, American Lung Association

Health Behavior & Health Educ, **Crump, Carolyn E**, *Enhancing Professional Competencies for Health Policy and Environmental Change*, Directors of Health Promotion and Education (DHPE)

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

HEALTH BEHAVIOR & HEALTH EDUCATION

Injury Prevention Research Ctr, **Crump, Carolyn E**, *Evaluation Services for Tribal Motor Vehicle Project*, Ho-Chunk Nation

Health Behavior & Health Educ, **Crump, Carolyn E**, *Improving Environmental Health Research Through Dialogue/Non-Working Prime*, National Institute of Environmental Health Sciences

Injury Prevention Research Ctr, **Crump, Carolyn E**, *Tohono O'odham Evaluation Project*, Tohomo O'adham Nation

Injury Prevention Research Ctr, **Crump, Carolyn E**, *White Mountain Apache Nation Evaluation Tribal Motor Vehicle Project CDC Project*, White Mountain Apache Nation

Injury Prevention Research Ctr, **Crump, Carolyn E**, *Year IV Ride Safe Evaluation Project*, Indian Health Services

Health Behavior & Health Educ, **Devellis, Brenda M**, *Fellow:Marlyn Hudson—Minority Predoctoral Fellowship Program (F31)*, National Cancer Institute

Health Behavior & Health Educ, **Devellis, Brenda M**, *Psychiatric and Medical Co-Morbidity in a Rural Community*, National Institute of Mental Health-NIH

Thurston Arthritis Res Center, **Devellis, Robert F**, *Spousal Influences on Self-Management of ANCA-associated Vasculitis*, Arthritis Foundation

Comprehensive Cancer Center, **Earp, Joanne L**, *Cancer Control Education Program*, National Cancer Institute

Health Behavior & Health Educ, **Earp, Joanne L**, *Fellow:Angela Thrasher—Minority Predoctoral Fellowship*, National Institute of Allergy & Infectious Diseases

Comprehensive Cancer Center, **Earp, Joanne L**, *Secondary Analysis of NC-BCSP Mammography Use Evaluation Data*, National Cancer Institute

Ctr Health Prom Disease Prev, **Eng, Eugenia**, *Community Health Scholars Program 2005–2006*, University of Michigan

Health Behavior & Health Educ, **Eng, Eugenia**, *Fellow:Lara Vaz—Minority Pre-doctoral Fellowship Program*, National Institute of Child Health & Human Development

Ctr Health Prom Disease Prev, **Eng, Eugenia**, *Men As Navigators For Health*, Centers for Disease Control

Health Behavior & Health Educ, **Ennett, Susan T**, *Diffusion of drug prevention curricula nationwide*, Pacific Institute of Research and Evaluation

School of Education, **Ennett, Susan T**, *Fellow:D. Mackinnon-Tucker—Moderators of the Peer Context of Adolescent Alcohol Use*, National Institute on Alcohol Abuse & Alcoholism

Health Behavior & Health Educ, **Fisher, Edwin B**, *Worksite Phone Counseling for Smoking Cessation*, Washington University @ St. Louis, Mo.

Health Behavior & Health Educ, **Foshee, Vangie A**, *Piloting a family-based program for preventing adolescent dating violence*, Centers for Disease Control

Injury Prevention Research Ctr, **Foshee, Vangie A**, *Violence Towards Dates, Peers and Self: A Developmental Focus*, Centers for Disease Control

Sheps Center for Health Services Research, **Golin, Carol**, *Promoting safer sex among viremic HIV+ Patients*, National Institute Mental Health

Health Behavior & Health Educ, **Lewis, Megan A**, *Spousal persuasive communication and physical activity to prevent colorectal cancer*, National Cancer Institute

Ctr Health Prom Disease Prev, **Linnan, Laura A**, *Interventions to Control Obesity in Community Colleges*, National Center for Chronic Disease Prev & Health Promo(CDC)

Health Behavior & Health Educ, **Maman, Suzanne**, *Community Based VCT: Tanzania: Subcontract*, Johns Hopkins University

Health Behavior & Health Educ, **Maman, Suzanne**, *Consultance for conceptualizing and organizing a meeting on addressing violence against women in the context of counseling and testing*, World Health Organization

Health Behavior & Health Educ, **Maman, Suzanne**, *The intersections of HIV and violence among youth in Dar es Salaam, Tanzania*, Harry Frank Guggenheim Foundation

Comprehensive Cancer Center, **Rimer, Barbara K**, *Finding the M.I.N.C. for Mammography Maintenance-Prime*, National Cancer Institute

Comprehensive Cancer Center, **Rimer, Barbara K**, *Health eCommunities: The Impact of List Serus on Cancer Patients*, Robert Wood Johnson Foundation

Program on Health Outcomes, **Rimer, Barbara K**, *Public Health Traineeship*, Bureau of Health Professions

Comprehensive Cancer Center, **Ribisl, Kurt**, *Disseminating Best Practices for Online Cancer Mailing Lists (MLs)*, Robert Wood Johnson Foundation

Health Behavior & Health Educ, **Ribisl, Kurt M**, *Examining the sales practices of Internet cigarette vendors: Impl for policy develop imple-mentatn & enforcemnt*, Robert Wood Johnson Foundation

Ctr Health Prom Disease Prev, **Ribisl, Kurt M**, *Quit line marketing research and development of tobacco-free schools Website content*, North Carolina Health and Wellness Trust Commission

Injury Prevention Research Ctr, **Runyan, Carol W**, *Consultation on Oklahoma Workshop on Sexual Assault*, Oklahoma State Department of Health

HEALTH BEHAVIOR & HEALTH EDUCATION HEALTH POLICY & ADMINISTRATION

Injury Prevention Research Ctr, **Runyan, Carol W**, *Nonworking Prime—National Violence Prevention Leader and Practitioner Training Program*, Centers for Disease Control

Injury Prevention Research Ctr, **Runyan, Carol W**, *Terrorism Surveillance Activity of Public Health Preparedness and Response Program*, North Carolina Division of Public Health

Injury Prevention Research Ctr, **Runyan, Carol W**, *UNC Injury Prevention Research Center—Core*, National Center for Injury Prevention and Control

Comprehensive Cancer Center, **Tate, Deborah F**, *Enhanced Internet Behavior Therapy for Treating Obesity*, National Institute of Diabetes, Digestive & Kidney Diseases

HEALTH POLICY & ADMINISTRATION

NC Institute for Public Health, **Baker Jr, Edward L**, *North Carolina Accreditation Learning Collaborative*, Robert Wood Johnson Foundation

NC Institute for Public Health, **Baker Jr, Edward L**, *Southeast Public Health Training Center*, Bureau of Health Professions

NC Institute for Public Health, **Baker Jr, Edward L**, *Supplement to American Journal of Public Health*, W. K. Kellogg Foundation

NC Institute for Public Health, **Baker Jr, Edward L**, *The North Carolina Public Health Academy*, The Duke Endowment

Health Policy & Administration, **Biddle, Andrea K**, *Quit-Smoking Program for Lung Cancer Patient Families*, Duke University Medical Center

Institute on Aging, **Dilworth-Anderson, Peggye**, *Closing the Gap of Minority Aging and Health Research*, National Institute on Aging

Institute on Aging, **Dilworth-Anderson, Peggye**, *Perceiving & Giving Meaning to Dementia Among Caregivers for African American and White Elders: Rural and Urban Differences*, Alzheimer's Association

Health Policy & Administration, **Domino, Marisa E**, *Duration Limitations and Adherence to Chronic Medication*, Robert Wood Johnson Foundation

Health Policy & Administration, **Domino, Marisa E**, *Influences of the Diffusion of Psychotropic Medications*, National Institute of Mental Health-NIH

Health Policy & Administration, **Fried, Bruce J**, *Cross-National Health Care Policy and Leadership*, University of Missouri at Columbia

Sheps Ctr for Hlth Serv Res, **Greene, Sandra B**, *Hospital Discharge Data Analysis 05–06*, North Carolina Division of Facility Services

Sheps Ctr for Hlth Serv Res, **Greene, Sandra B**, *Nursing Home Medication Error Project*, North Carolina Division of Facility Services

Health Policy & Administration, **Kilpatrick, Kerry E**, *Business Case for Quality in Medicaid MCO/PCCMs*, Center for Health Care Strategies, Inc.

Health Policy & Administration, **Leatt, Peggy**, *IPA FOR JOHN BENNET WATERS*, U. S. Department of Homeland Security

Sheps Ctr for Hlth Serv Res, **Morrissey, Joseph P**, *Development of a New Methodology for Mental Health Professional Shortage Area Designation*, Bureau of Health Professions

Sheps Ctr for Hlth Serv Res, **Morrissey, Joseph P**, *Medicaid Capitation: Cost Shifting & Multisystem Use*, National Institute of Mental Health-NIH

Sheps Ctr for Hlth Serv Res, **Morrissey, Joseph P**, *Preventing Jail Incarcerations Through Assertive Community Treatment*, Technical Assistance Collaborative

Sheps Ctr for Hlth Serv Res, **Morrissey, Joseph P**, *PrimeCare Study Subcontract: UNC & MAHEC*, Mountain Area Health Education Center

Sheps Ctr for Hlth Serv Res, **Morrissey, Joseph P**, *Research Training in Mental Health Services and Systems*, National Institute of Mental Health-NIH

Health Policy & Administration, **Norton, Edward C**, *The Effect of NEMT Brokerage Services on Expenditures and Use of Medicaid Services*, LogistiCare Foundation

Carolina Population Center, **Perreira, Krista**, *The Latino Adolescent Mental Health and Adaptation Project*, William T. Grant Foundation

Carolina Population Center, **Perreira, Krista**, *Southern Immigrant Academic Adaptation Study*, Russell Sage Foundation
NC Institute for Public Health, **Porter, Janet E**, *Management Academy for Public Health*, Association of Schools of Public Health, Inc.

NC Institute for Public Health, **Porter, Janet E**, *Southeast Public Health Leadership Institute*, Association of Schools of Public Health, Inc.

NC Institute for Public Health, **Porter, Janet E**, *The National Public Health Leadership Institute*, Centers for Disease Control

Health Policy & Administration, **Porto, James V**, *FEMA Pre-Disaster Mitigation Planning Grant*, North Carolina Division of Emergency Management

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

HEALTH POLICY & ADMINISTRATION MATERNAL & CHILD HEALTH

Sheps Ctr for Hlth Serv Res, **Ricketts, Thomas C**, *Evaluation of Need for Assistance Criteria and Weighting of Overall Criteria in the Requirements of Funding New Start and Expansion Grant Applications*, Bureau of Primary Health Care

Sheps Ctr for Hlth Serv Res, **Ricketts, Thomas C**, *Frontier Extended Stay Clinic Demonstration Model Evaluation Assistance (Year 2)*, Southeast Alaska Regional Health Consortium (SEARHC)

Sheps Ctr for Hlth Serv Res, **Ricketts, Thomas C**, *Regional Center for Health Workforce Studies*, Bureau of Health Professions

Sheps Ctr for Hlth Serv Res, **Ricketts, Thomas C**, *Technical Assistance to ORDRHD for the CC of NC Program*, Office of Rural Health & Resource Development

Health Policy & Administration, **Rozier, Richard G**, *Prevention of Early Childhood Caries in Medical Practice*, National Institute of Dental and Craniofacial Research

Health Policy & Administration, **Rozier, Richard G**, *Specialty Training in Dental Public Health*, Bureau of Health Professions

Health Policy & Administration, **Savitz, Lucy A**, *The Information Technology Infrastructure in Integrated Delivery Systems*, Research Triangle Institute

Health Policy & Administration, **Stearns, Sally C**, *Referrals for Dental Care from a Medical Office-based Preventive Dental Program*, National Institute of Dental and Craniofacial Research

Health Policy & Administration, **Weiner, Bryan J**, *Enhancing the Board's Role in Quality*, Center for Health Management Research

Health Policy & Administration, **Wells, Rebecca**, *Participation in Community-Based Coalitions*, National Cancer Institute

MATERNAL & CHILD HEALTH

Carolina Population Center, **Curtis, Sian L**, *Monitoring & Evaluation to Assess & Use Results (MEASURE) Phase II*, US Agency for International Development

Carolina Population Center, **Curtis, Sian L**, *Verbal Autopsy Disease Burden Assessment*, University of Queensland

Maternal & Child Health, **Foster, Edward M**, *Center for Prevention and Treatment Methodology*, Pennsylvania State University

Maternal & Child Health, **Foster, Edward M**, *Economic Analysis of the Fast Track Intervention*, National Institute of Mental Health-NIH

Maternal & Child Health, **Halpern, Carolyn T**, *HIV In Young Adulthood: Pathways and Prevention*, Pacific Institute of Research and Evaluation

Maternal & Child Health, **Kotch, Jonathan B**, *Emergency Preparedness Response*, North Carolina Division of Child Development

Maternal & Child Health, **Kotch, Jonathan B**, *Facilitating Change*, North Carolina Division of Child Development

Maternal & Child Health, **Kotch, Jonathan B**, *Fellow: Andrea Ireland /The Role of Family Resources on Pediatric Asthma Care Utilization Among African American Families*, Pharmaceutical Research and Manufacturers of America Fdn, Inc

Maternal & Child Health, **Kotch, Jonathan B**, *Healthy Smiles Through Child Care Health Consultation: A Distance Learning Course*, Maternal and Child Health Bureau

Maternal & Child Health, **Kotch, Jonathan B**, *Healthy Tomorrows: Connecting the Dots in Cleveland County*, Maternal and Child Health Bureau

Maternal & Child Health, **Kotch, Jonathan B**, *Incidence and Etiology of Infectious Non-Bacterial Diarrhea in Out-of-Home Child Care II*, Clorox Services Company

Maternal & Child Health, **Kotch, Jonathan B**, *Longitudinal Studies of Child Abuse and Neglect (LONGSCAN): NC Site*, Administration for Children, Youth and Families

Maternal & Child Health, **Kotch, Jonathan B**, *NC Child Care Health and Safety Bulletins and Calendar, 2006*, North Carolina Division of Child Development

Maternal & Child Health, **Kotch, Jonathan B**, *North Carolina Family Health Resource Line-Healthy Child Care*, North Carolina Division of Public Health

Maternal & Child Health, **Kotch, Jonathan B**, *The National Training Institute for Child Care Health Consultants*, Maternal and Child Health Bureau

Maternal & Child Health, **Martin, Sandra L**, *HRSA/MCHB Doctoral Support Training Program: Awards for Enhancement of Epidemiology Applied to Maternal Child Health*, Maternal and Child Health Bureau

Maternal & Child Health, **Peterson, Herbert B**, *Training Program in Maternal and Child Health*, Maternal and Child Health Bureau

Maternal & Child Health, **Weathers, Andrea**, *Health Access for Children of Immigrants*, Maternal and Child Health Bureau

NORTH CAROLINA INSTITUTE FOR PUBLIC HEALTH NUTRITION

NORTH CAROLINA INSTITUTE FOR PUBLIC HEALTH

NC Institute for Public Health, **Fernandez, Claudia S.**, *Food Systems Leadership Institute*, University of North Carolina Office of the President

NC Institute for Public Health, **Graham, John W.**, *Epidemiology and Evaluation Services*, North Carolina Division of Public Health

NC Institute for Public Health, **Graham, John W.**, *Northeastern North Carolina Teen Tobacco Use Prevention and Cessation Initiative*, North Carolina Health and Wellness Trust Commission

NC Institute for Public Health, **Horney, Jennifer A.**, *Advanced Practice Centers Training Conference*, National Association of County and City Health Officials

NC Institute for Public Health, **Horney, Jennifer A.**, *Evaluation of Epidemiology and Surveillance*, North Carolina Division of Public Health

NC Institute for Public Health, **Horney, Jennifer A.**, *Evaluation of Surveillance & Epidemiologic Capacity*, North Carolina Division of Public Health

NC Institute for Public Health, **Strunk, Sarah L.**, *Active Living by Design National Program Office - Year 5*, Robert Wood Johnson Foundation

NC Institute for Public Health, **Strunk, Sarah L.**, *Healthy Eating by Design - Grantee Meeting*, Robert Wood Johnson Foundation

NUTRITION

Carolina Population Center, **Adair, Linda S.**, *Effect of Health on Education & Work in Filipino Youth*, Fogarty International Center

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *Center of Excellence for Health Promotion Economics*, Research Triangle Institute

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *Meeting of Journal Editors on External Validity Reporting*, Robert Wood Johnson Foundation

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *NC WISEWOMAN 2005-2006*, North Carolina Division of Public Health

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *NC WISEWOMAN 2006-2007*, North Carolina Division of Public Health

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *Nonworking Prime—UNC Center for Health Promotion and Disease Prevention*, National Center for Chronic Disease Prev & Health Promo(CDC)

Ctr Health Prom Disease Prev, **Ammerman, Alice S.**, *Primary Care and Communities Tackling Obesity in Kids*, National Institute of Child Health & Human Development

Nutrition, **Beck, Melinda A.**, *Nutrition, Viral Mutation and Host Defense*, National Institute of Allergy & Infectious Diseases

Nutrition, **Beck, Melinda A.**, *The Role of Nutrition in virus-Induced Optic Neuropathy*, National Eye Institute

Carolina Population Center, **Bentley, Margaret E.**, *Infant Care, Feeding, and Risk of Obesity*, National Institute of Child Health & Human Development

Carolina Population Center, **Bentley, Margaret E.**, *NIMH Collaborative Trial for HIV/STD Prevention*, Johns Hopkins University

School of Public Health, **Bentley, Margaret E.**, *UNC-Chapel Hill Framework Program in Global Health*, Fogarty International Center

Nutrition, **Campbell, Marci K.**, *A Trial for Improving Perinatal Care in Latin America*, Tulane University

Nutrition, **Campbell, Marci K.**, *Trial of 2 Telecomputer Diet Change Maintenance Programs*, Boston Medical Center

Nutrition, **Coleman, Rosalind A.**, *Acyl-CoA Synthetase Isoforms in Hepatic Lipid Metabolism FELLOW: MASHEK, DOUGLAS*, National Institute of Diabetes, Digestive & Kidney Diseases

Nutrition, **Coleman, Rosalind A.**, *Acyl-CoA Synthetase: Structure, Function and Regulation*, National Institute of Diabetes, Digestive & Kidney Diseases

Nutrition, **Coleman, Rosalind A.**, *Metabolism of Glycerolipids in Liver*, National Institute of Diabetes, Digestive & Kidney Diseases

Nutrition, **Coleman, Rosalind A.**, *Regulation of mitochondrial lycerol phosphate acyltransferase*, Fogarty International Center

Nutrition, **Coleman, Rosalind A.**, *The Role of Glycerol 3-Phosphate Acyltransferase Isoforms in Trigacylglycerol Storage and Secretion*, American Heart Association

Nutrition, **Deng, Jianbei.**, *Interleukin-6 Expression and Function in Adipose Cells*, National Institute of Diabetes, Digestive & Kidney Diseases

Nutrition, **Dodds, Janice M.**, *Public Health Nutrition in the 21st Century*, Maternal and Child Health Bureau

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

NUTRITION

Nutrition, **Dodds, Janice M**, *Public Health Nutrition Regional I-III Leadership Training Program*, Maternal and Child Health Bureau

Nutrition, **Dodds, Janice M**, *Public Health Nutrition Training Grant*, Maternal and Child Health Bureau

Nutrition, **Fischer, Leslie M**, *Glycemic Index Testing of Foods*, Atkins Nutritionals, Inc

Carolina Population Center, **Gordon-Larsen, Penny G**, *Fellow:Scharoun-Lee, M.—Minority Predoctoral Fellowship Program*, National Institute of Child Health & Human Development

Carolina Population Center, **Gordon-Larsen, Penny G**, *Obesity and the Environment: The Transition to Adulthood*, National Institute of Child Health & Human Development

Carolina Population Center, **Laraia, Barbara A**, *Social Environmental Influences on Preterm Birth*, Maternal and Child Health Bureau

Carolina Population Center, **Laraia, Barbara A**, *Socio-Environmental Influences on Nutrition and Obesity*, National Institute of Child Health & Human Development

Nutrition, **Lewin-Wittle, Tal M**, *Barth Syndrome: A mitochondrial disease with insights into cardiolipin synthesis*, United Mitochondrial Disease Foundation

Nutrition, **Lewin-Wittle, Tal M**, *Barth Syndrome: Identifying the missing enzyme function*, National Institute of Heart, Lung, and Blood

Carolina Population Center, **Popkin, Barry M**, *An Interdisciplinary Strategy for Obesity*, National Center for Research Resources

Carolina Population Center, **Popkin, Barry M**, *Determinants And Consequences Of Alcohol Consumption*, Duke University

Carolina Population Center, **Popkin, Barry M**, *Diet, Activity, Obesity & the Built Environment*, National Cancer Institute

Carolina Population Center, **Popkin, Barry M**, *Doctoral Training in Nutrition Epidemiology*, National Institute of General Medicine Science

Carolina Population Center, **Popkin, Barry M**, *Monitoring Social Change: Health, Reproduction, Aging*, National Institute of Child Health & Human Development

Carolina Population Center, **Popkin, Barry M**, *Monitoring the Economic and Social Transformation in Russia: The Russian Longitudinal Monitoring Survey*, US Agency for International Development

Carolina Population Center, **Popkin, Barry M**, *Physical Environment Dynamics, Inequality and Obesity*, National Institute of Child Health & Human Development

Nutrition, **Popkin, Barry M**, *UNC Interdisciplinary Obesity Training (IDOT)*, National Institute of Mental Health-NIH

Carolina Population Center, **Popkin, Barry M**, *Young Adult Environmental & Physical Activity Dynamics*, National Cancer Institute

Ctr Health Prom Disease Prev, **Samuel-Hodge, Carmen D**, *Family Context Variables & Weight Loss Management*, Duke University

Nutrition, **Satia, Jessie S**, *Antioxidant Nutrients and Oxidative DNA Damage in African Americans and Whites*, National Cancer Institute

Nutrition, **Satia, Jessie S**, *Cohort Study of Dietary Supplements and Lung and Colorectal Cancer Risk*, National Cancer Institute

Nutrition, **Satia, Jessie S**, *Diet, Colon Cancer, and Cancer Communication: A Career Development Plan for Jessie A. Satia, PhD.*, National Cancer Institute

Nutrition, **Scott, Susan E**, *CLA and Body Fat Mass in Obese Humans*, Cognis Corporation

Nutrition, **Scott, Susan E**, *Gene Nutrient Interactions and Breast Cancer*, National Cancer Institute

Biostatistics, **Stevens, Hazel J**, *Community Characteristics and PA in Adolescent Girls*, Rand Corporation

Nutrition, **Stevens, Hazel**, *Development of a tool to measure food availability in the home*, National Cancer Institute

Biostatistics, **Stevens, Hazel J**, *Trial of Activity in Adolescent Girls (TAAG)*, National Institute of Heart, Lung, and Blood

Nutrition, **Styblo, Miroslav**, *Biomarkers of Health Risks Associated with Environmental Exposure to Arsenic*, US Environmental Protection Agency

Nutrition, **Styblo, Miroslav**, *Metabolism and Toxicity of Arsenic in Human Liver*, National Institute of Environmental Health Sciences

Nutrition, **Styblo, Miroslav**, *Optimized Hydride Generation Systems for Arsenic Speciation Analysis*, Fogarty International Center

Nutrition, **Sutherland, Lisa A**, *Youth Exposure to Food and Beverage in Movies*, National Cancer Institute

Ctr Health Prom Disease Prev, **Ward, Dianne S**, *Comparing Web-Based to In-Person Training to Deliver a Nutrition and Physical Activity Intervention in Child Care*, Administration for Children, Youth and Families

NUTRITION

Ctr Health Prom Disease Prev, **Ward, Dianne S**, *Evaluation of NAP-SACC: An Intervention in Child Care*, Association of Schools of Public Health, Inc.

Ctr Health Prom Disease Prev, **Ward, Dianne S**, *Healthy Weight: Linking Child Care Centers with the Home*, National Institute of Diabetes, Digestive & Kidney Diseases

Ctr Health Prom Disease Prev, **Ward, Dianne S**, *Measuring Physical Activity Affordances in Preschool Outdoor Environments*, North Carolina State University

Alcohol Studies Center, **Wheeler, Michael D**, *Acute Ethanol induced innate Immune response in Liver*, National Institute on Alcohol Abuse & Alcoholism

Alcohol Studies Center, **Wheeler, Michael D**, *Corona-virus cell type gene delivery and alcoholic liver disease*, National Institute on Alcohol Abuse & Alcoholism

Alcohol Studies Center, **Wheeler, Michael D**, *Hepatic Stellate Cell Activation Induced by HCV*, Columbia University

Nutrition, **Zeisel, Steven H**, *Biochemistry Of Supplemental Choline In The Prenatal Rat*, National Institute of Aging

Nutrition, **Zeisel, Steven H**, *Choline Content of Commonly Eaten Foods*, US Department of Agriculture

Nutrition, **Zeisel, Steven H**, *Diethanolamine alters brain development*, National Institute of Environmental Health Sciences

Nutrition, **Zeisel, Steven H.**, *Nonworking Prime-Clinical Nutrition Research Center*, National Institute of Diabetes, Digestive and Kidney Diseases

Nutrition, **Zeisel, Steven H**, *Nutrition in Medicine*, National Cancer Institute

Nutrition, **Zeisel, Steven H**, *Nutrition Training Grant*, National Institute of Diabetes, Digestive & Kidney Diseases

Nutrition, **Zeisel, Steven H**, *Nutritional Biochemistry and Epidemiology of Cancer*, Training Grant, National Cancer Institute

Nutrition, **Zeisel, Steven H**, *University of North Carolina Clinical Nutrition Research Center*, National Institute of Diabetes, Digestive & Kidney Diseases

PUBLIC HEALTH LEADERSHIP

Wm&Ida Friday Ctr-Cont Educ, **Lorch, Sharon C**, *A su salud! Introductory Spanish for Health Professionals*, East Carolina University

Public Health Nursing, **Rogers, Mary**, *Nonworking Prime—Occupational Safety and Health Education and Research Center*, National Institute for Occupational Safety & Health

PH Leadership Program, **Rogers, Mary**, *Renewing a Century of Commitment to a Healthy, Safe, and Productive Working Life*, National Institute for Occupational Safety & Health

OTHER

CAROLINA CENTER FOR PUBLIC SERVICE

Health Behavior & Health Educ, **Blanchard, Lynn W**, *HIV Risk Perceptions among African American College Women*, Triangle Community Foundation

CAROLINA ENVIRONMENT PROGRAM

Environ Health & Suscep, **Gray, Kathleen M**, *Health Observances and Public Education Partnership*, University of Medicine & Dentistry of New Jersey

KENAN-FLAGLER BUSINESS SCHOOL

NC Institute for Public Health, **Johnson, James H**, *MANAGING IN AN ERA OF ECONOMIC UNCERTAINTY AND GLOBAL INSECURITY*, W. K. Kellogg Foundation

MEDICINE

Epidemiology, **Miller, William C**, *A Global Program to prevent Mother-to-Child Transmission of HIV*, Elizabeth Glaser Pediatric AIDS Foundation

Epidemiology, **Sandler, Robert S**, *Fellow:Melanie Young—Minority Predoctoral Fellowship Program*, National Cancer Institute

MEDICINE ADMINISTRATION

NC Institute for Public Health, **Roper, William L**, *Public Health Grand Rounds*, Association of Schools of Public Health, Inc.

OBSTETRICS & GYNECOLOGY

Epidemiology, **Hartmann, Katherine E**, *Consequences and Course of Uterine Fibroids in Pregnancy*, National Institute of Child Health & Human Development

Epidemiology, **Hartmann, Katherine E**, *Non-Steroidal Anti-Inflammatory Use and Miscarriage*, National Institute of Child Health & Human Development

Epidemiology, **Hartmann, Katherine E**, *Subclinical Thyroid Dysfunction & Risk of MI and Stroke*, National Institute of Heart, Lung, and Blood

KEY

Administering Department, **Principal Investigator**, Grant/Contract, Awarding Agency

AWARDS & RECOGNITION

BIostatistics

Shrikant Bangdiwala, PhD — *Research Professor*

Fulbright Senior Specialist Award in the field of Public/Global Health. Chosen as a Fulbright candidate in 2005. Dr. Bangdiwala will remain on the Roster for up to five years, until 2010.

Jianwen Cai, PhD — *Professor and Interim Chair*

Elected as a fellow of the American Statistical Association.

Joseph Ibrahim, PhD — *Professor*

Recipient of Alumni Distinguished Professorship by the Provost of the University of North Carolina at Chapel Hill, effective March 1, 2006. Appointed faculty advisor for UNC Lineberger Comprehensive Cancer Center and director of its Biostatistics and Data Management Core.

Lisa LaVange, PhD — *Professor and Director of the Collaborative Studies Coordinating Center (CSCC)*

President-elect of Eastern North American Region — International Biometric Society (ENAR), beginning in January 2006. She will officially take office as President in 2007.

Danyu Lin, PhD — *Dennis Gillings Distinguished Professor*

Method to Extend Research in Time (MERIT) Award by the National Institute of General Medical Sciences, a branch of the NIH.

ENVIRONMENTAL SCIENCES & ENGINEERING

Francis A. DiGiano, PhD — *Professor*

A.P. Black Award from the American Water Works Association (AWWA).

Ray Hackney, MSPH, DrPH — *Adjunct Lecturer, Biological Safety Officer and Industrial Hygiene Manager, Department of Environment, Health and Safety*

2006 C. Knox Massey Distinguished Service Award.

David Leith, DSc — *Professor*

2005 Distinguished Teaching Award for Post-Baccalaureate Instruction.

Philip C. Singer, PhD — *Daniel A. Okun Distinguished Professor, Director of UNC's Drinking Water Research Center*

2006 Gordon Maskew Fair Award from the American Academy of Environmental Engineers (AAEE).

13th Recipient of the National Water Research Institute's (NWRI) acclaimed Athalie Richardson Irvine Clarke Prize for excellence in water research.

Kim J. Swanson — *MSPH Student*

2005 Team Epi-Aid Annual Award. This award goes to the Team Epi-Aid member who has contributed the most hours of service in the past year.

James Swenberg, DVM, PhD — *Kenan Distinguished Professor, Professor in Department of Nutrition, Professor in UNC School of Medicine's Department of Pathology and Laboratory Medicine, Director of the UNC Center for Environmental Health and Susceptibility and the UNC Curriculum in Toxicology.*

Named a Kenan Distinguished Professor of Environmental Sciences and Engineering, which is an endowed faculty position awarded to outstanding scholars and teachers.

EPIDEMIOLOGY

Myron S. Cohen, MD — *Professor and J. Herbert Bate*

Distinguished Professor of medicine and microbiology and immunology in UNC's School of Medicine

2005 Thomas Parran Award for Lifetime Achievement in Research from the American Venereal Disease Association.

Jay Kaufman, PhD — *Assistant Professor and Fellow at the Carolina Population Center*

Council for International Exchange of Scholars Fulbright Lecturing/Research Award in Santiago, Chile, 2007.

Robert Wood Johnson Foundation Investigator Award in Health Policy Research, 2006-2008.

Robert C. Millikan, PhD — *Associate Professor and member of UNC's Lineberger Comprehensive Cancer Center*

Fulbright Scholar Grant, June 2005, to perform research and lecture at University College in Dublin, Ireland.

Robert S. Sandler, MD, MPH — *Nina C. and John T. Sessions Distinguished Professor of Epidemiology and in UNC's School of Medicine, Chief of the Division of Gastroenterology and Hepatology*

Elected Vice President of the American Gastroenterological Association.

Nicholas Shaheen, MD, MPH — *Adjunct Professor and Associate Professor in UNC's School of Medicine*

Elected Vice Chair of the Clinical Practice Section, the largest section within the American Gastroenterological Association.

Hugh Tilson, MD, MPH, DrPH — *Professor of Epidemiology and Public Health Leadership and former senior advisor to the dean*

In 2005, the National Public Health Leadership Development Network awarded its highest honor to Dr. Tilson (Balderson Lifetime Achievement Award).

2005 Academy of Pharmaceutical Physicians and Investigators (APPI) Lifetime Achievement Award.

AWARDS & RECOGNITION

HEALTH BEHAVIOR & HEALTH EDUCATION

The Department received the Office of the Provost Engaged Scholarship Award for Action-Oriented Community Diagnosis (AOCD), a required course for its first-year master's students. Using concepts and methods from anthropology and epidemiology, AOCD is a service-learning course that teaches students how to plan community-based research.

Brenda Devellis, PhD — Professor

STAR Award by the Association of Rheumatology Health Professionals, in recognition for her ongoing scientific contributions to arthritis research.

Robert Devellis, PhD — Research Professor

STAR Award by the Association of Rheumatology Health Professionals, in recognition for his ongoing scientific contributions to arthritis research. Dr. Devellis was additionally selected as the Association's Distinguished Scholar for 2005.

Jo Anne Earp, ScD — Professor

2005 School of Public Health's John E. Larsh, Jr. Award for Mentorship.

Vangie Foshee, PhD, MPH — Assistant Professor

Bernard G. Greenberg Alumni Endowment Award presented at the 2006 Fred T. Foard Jr. Memorial Lecture.

Carol Runyan, MPH, PhD — Professor as well as Professor of Pediatrics in the Schools of Public Health and Medicine, Director of UNC's Injury Prevention Research Center (IPRC)

Home Safety Council's inaugural Home Safety Research Award in recognition of IPRC's outstanding collaborative work with the Council since 2001.

Allen Steckler, DrPH — Professor

2005 Distinguished Service Award from the University Center for International Studies (UCIS). Dr. Steckler is a longtime Health Behavior and Health Education (HBHE) professor who is well known for mentoring generations of international students.

Deborah Tate, PhD — Assistant Professor

Society of Behavioral Medicine's (SBM) Early Career Honorary Recognition Award 2005.

HEALTH POLICY & ADMINISTRATION

Morris Weinberger, PhD — Vergil N. Slee Distinguished Professor of Healthcare Quality Management

2005 John M. Eisenberg Excellence in Mentorship Award from the Agency for Healthcare Research and Quality (AHRQ), the health services arm of the US Department of Health and Human Services.

Peggy Dilworth-Anderson, PhD — Professor and Director of the Center for Aging and Diversity, the UNC Institute on Aging

In 2005, Dr. Dilworth-Anderson was selected by President Bush to serve as one of the 22 members of the bi-partisan advisory committee to the White House Conference on Aging (WHCoA).

NUTRITION

Steven Zeisel, MD, PhD — Kenan Distinguished Professor, Associate Dean for Research at the School of Public Health, Director of the UNC Clinical Nutrition Research Center, Professor in the School of Medicine's Department of Pediatrics

Named a Kenan Distinguished Professor of Nutrition, which is an endowed faculty position awarded to outstanding scholars and teachers.

ALUMNI

Barbara O. Chavious, MPH — Retired: former Associate Director of the Executive Master's Program in the Department of Health Policy and Administration, Director of Alumni Affairs, and Clinical Instructor

2005 Dr. W. S. Rankin Award presented by the North Carolina Public Health Association.

James K. Edzwald, PhD — Professor, Department of Civil and Environmental Engineering, University of Massachusetts Amherst Department of Environmental Sciences and Engineering Distinguished Alumnus Award for 2005.

David L. Johnson, PhD — Associate Dean for Academic Affairs, College of Public Health, President's Associates Presidential Professor, Department of Occupational & Environmental Health, Co-Director, Southwest Center for Public Health Preparedness, The University of Oklahoma Health Sciences Center Department of Environmental Sciences and Engineering Distinguished Alumnus Award for 2005.

Jerry Parks, MPH — Director of the seven-county Albemarle Regional Health Service

Arnold D. Kaluzny Distinguished Alumni Award presented at the 2005 Fred T. Foard Jr. Memorial Lecture.

Allen J. Wilcox, MD, PhD, MPH — Senior Investigator in the Epidemiology Branch of the National Institute of Environmental Health Sciences (NIEHS)

2006 Recipient of the Harriet Hylton Barr Distinguished Alumnus Award, the School of Public Health's single highest alumni honor.

EMERITUS

Daniel A. Okun, PhD, PE, Hon.M.ASCE — Professor of Environmental Engineering, Emeritus

2006 Lifetime Achievement Award presented by the Environmental & Water Resources Institute (EWRI) of the American Society of Civil Engineers (ASCE).

AWARDS & RECOGNITION

INSTRUCTIONAL AND INFORMATION SYSTEMS (IIS)

Charles Ayres – *Database Administrator for the School of Public Health*

UNC Information Technology Award for 2006, one of 13 chosen from 1,000 information technology staffers across the campus.

Jeno Bratts – *Manager of the IIS group that runs the School of Public Health's data center*

UNC Information Technology Award for 2006, one of 13 chosen from 1,000 information technology staffers across the campus.

NORTH CAROLINA INSTITUTE FOR PUBLIC HEALTH

William H. Browder, Jr., MPA, EdD – *Director of the Office of Continuing Education, Director of the NC Area Health Education Centers' activities in the NC Institute for Public Health*
2005 Chancellor's Award.

John Graham, PhD – *Deputy Director*
Robert E. Bryan Public Service Award.

NORTH CAROLINA INSTITUTE FOR PUBLIC HEALTH PREPAREDNESS

Team Epi-Aid

2005 Office of the Provost Award for its work in responding to immediate health crises as they arise in the state of North Carolina, specifically its aid to the victims of Hurricane Isabel.

PUBLIC HEALTH LEADERSHIP PROGRAM

Cheryll Lesneski, DrPH – *Assistant Professor*

Village Pride Award presented by local radio station WCHL for planning a medical mission trip to help Gulf Coast residents affected by Hurricane Katrina in February 2006.

SCHOOL OF PUBLIC HEALTH RESEARCH CENTERS, INSTITUTES, INITIATIVES, PROGRAMS AND SPECIALIZED FACILITIES

The School of Public Health exemplifies interdisciplinary research, education and service through its own centers, institutes, initiatives, programs and specialized facilities. The School also has a long history of affiliation with many related UNC entities

(<http://research.unc.edu/services/offices.php>). The following list for the School and for each Department has been categorized: Centers, Initiatives, Programs and Specialized Facilities. (As of June 14, 2006)

SCHOOL WIDE

CENTERS

CENTER FOR ENVIRONMENTAL HEALTH & SUSCEPTIBILITY

SPECIALIZED FACILITIES

- Molecular Epidemiology
- Biostatistics and Epidemiological Methods
- Biomarkers Facility Core
- Nutrient Assessment Facility Core

DEPARTMENTS

BIOSTATISTICS

CENTERS

- Collaborative Studies Coordinating Center
- Survey Research Unit

PROGRAMS

- Biostatistics Consulting Laboratory

EPIDEMIOLOGY CENTERS

- North Carolina Center for Birth Defects Research and Prevention
- Center for Education and Research on Therapeutics (until 9/29)
- GSK Center for Excellence in Pharmacoepidemiology and Public Health
- North Carolina Center for Autism and Developmental Disabilities Research and Epidemiology

PROGRAMS

- Program in Public Health Ethics

SPECIALIZED FACILITIES

- Biospecimen Processing Facility

ENVIRONMENTAL SCIENCES & ENGINEERING

CENTERS

- Center for Environmental Modeling (CEM)
- Drinking Water Research Center (DRWC)

PROGRAMS

- Environmental Resource Program (ERP)
- UNC-CH Superfund Basic Research Program (SBRP)

SPECIALIZED FACILITIES

- Ambient Air Research Facility
- Baity Environmental Engineering Laboratory
- BME Computational Laboratory (BMElab)
- Environmental Virology and Microbiology Laboratory
- Laboratory of Molecular Carcinogenesis and Mutagenesis
- Mass Spectrometry Facility
- Optical Remote Sensing Tomography Laboratory
- ESE Design Center

HEALTH POLICY & ADMINISTRATION PROGRAMS

- Program on Health Outcomes

MATERNAL & CHILD HEALTH CENTERS

- Center for Infant & Young Child Feeding and Care

NUTRITION CENTERS

- Clinical Nutrition Research Center

NORTH CAROLINA INSTITUTE FOR PUBLIC HEALTH

CENTERS

- North Carolina Center for Public Health Preparedness
- North Carolina Occupational Safety and Health Education and Research Center

AFFILIATED WITH SPH

PROGRAMS

- Carolina Environmental Program (CEP)
- UNC Program on Ethnicity, Culture and Health Outcomes (ECHO)

CENTERS

- Injury Prevention Research Center
- Center for Health Promotion and Disease Prevention

WHAT THE OFFICE OF RESEARCH DOES

The mission of the SPH Office of Research is to **“Enhance the research enterprise at the School of Public Health through active support of the Faculty, Staff and Students.”**

The Office addresses this mission through four main focus areas as indicated in the figure below.



RESEARCH INFRASTRUCTURE: we develop and provide services, databases, and facilities to assist with research

- Researcher Database
- Research Map Database
- Bi-weekly Research Bulletin
- Editing Service
- Biostatistics Consulting Service
- Grant Writing Workshop
- Research Seminar Series
- Proposal Development Resources
- Funding Alerts Service
- Development of software to enhance proposal development
- Informative website
- Negotiations for space

STRATEGIC RESEARCH ENHANCEMENT: we provide services to assist in developing new research teams and collaborations, new areas of research, and new areas of funding

- Conversational Livingrooms
- Coordination of new interdisciplinary research proposals and teams
- Support for Interdisciplinary Collaborative Proposal Development
- Interface with other agencies, Schools, universities to create research partnerships
- Development of new areas of research
- Work closely with the Road Map Initiative
- Support interdisciplinary interest groups

STRATEGIC ADVICE & REPRESENTATION:

we serve as an interface between the Faculty and Staff and the Dean regarding research policy issues. We also work with other entities on and off campus regarding research policies and directions.

- Coordination of the SPH Research Council
- Development of white papers on research policy issues
- Representation on various SPH, UNC and off campus committees
- Research strategic planning initiatives
- Assist with Accreditation activities

RESEARCH IMPACT DISSEMINATION:

we develop and provide mechanisms to measure and to promote our research impact

- Monthly Department Student Research Poster Presentation
- Lunch with the Dean Series
- Publications of research impact
- Annual Report on Research
- Analysis and dissemination of award trends
- Highly informative Office of Research website



The **Conversational Living Rooms** is an event held four times a year by the School of Public Health, where interdisciplinary research ideas are discussed in an informal setting.

For more information please visit our website: <http://www.sph.unc.edu/research/>

OR CONTACT:

Steven Zeisel, Associate Dean of Research at steven_zeisel@unc.edu.

or

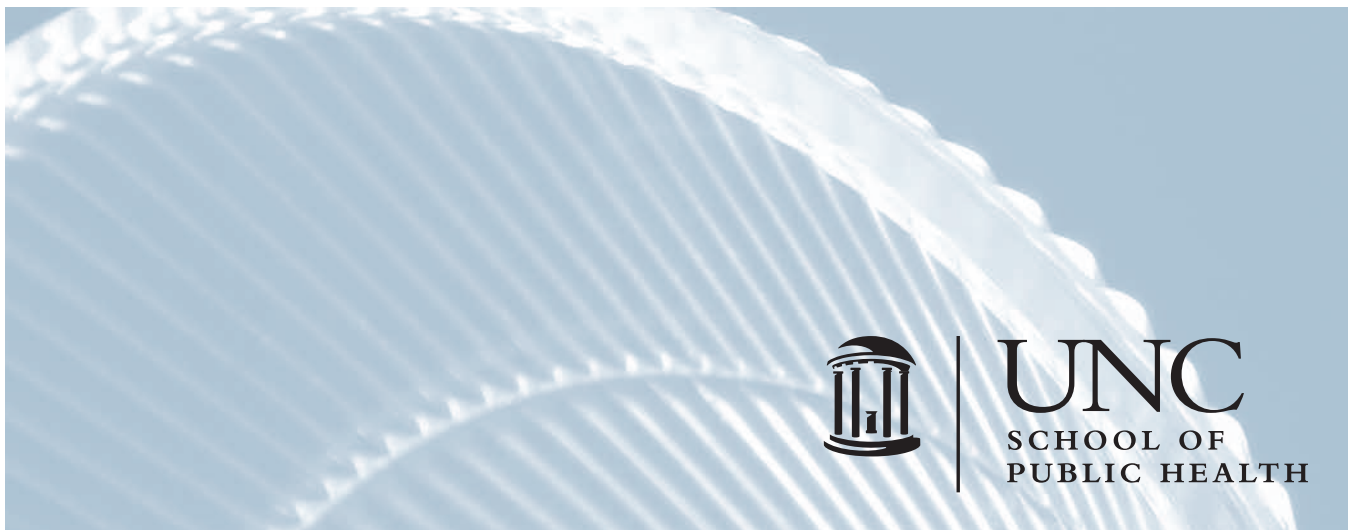
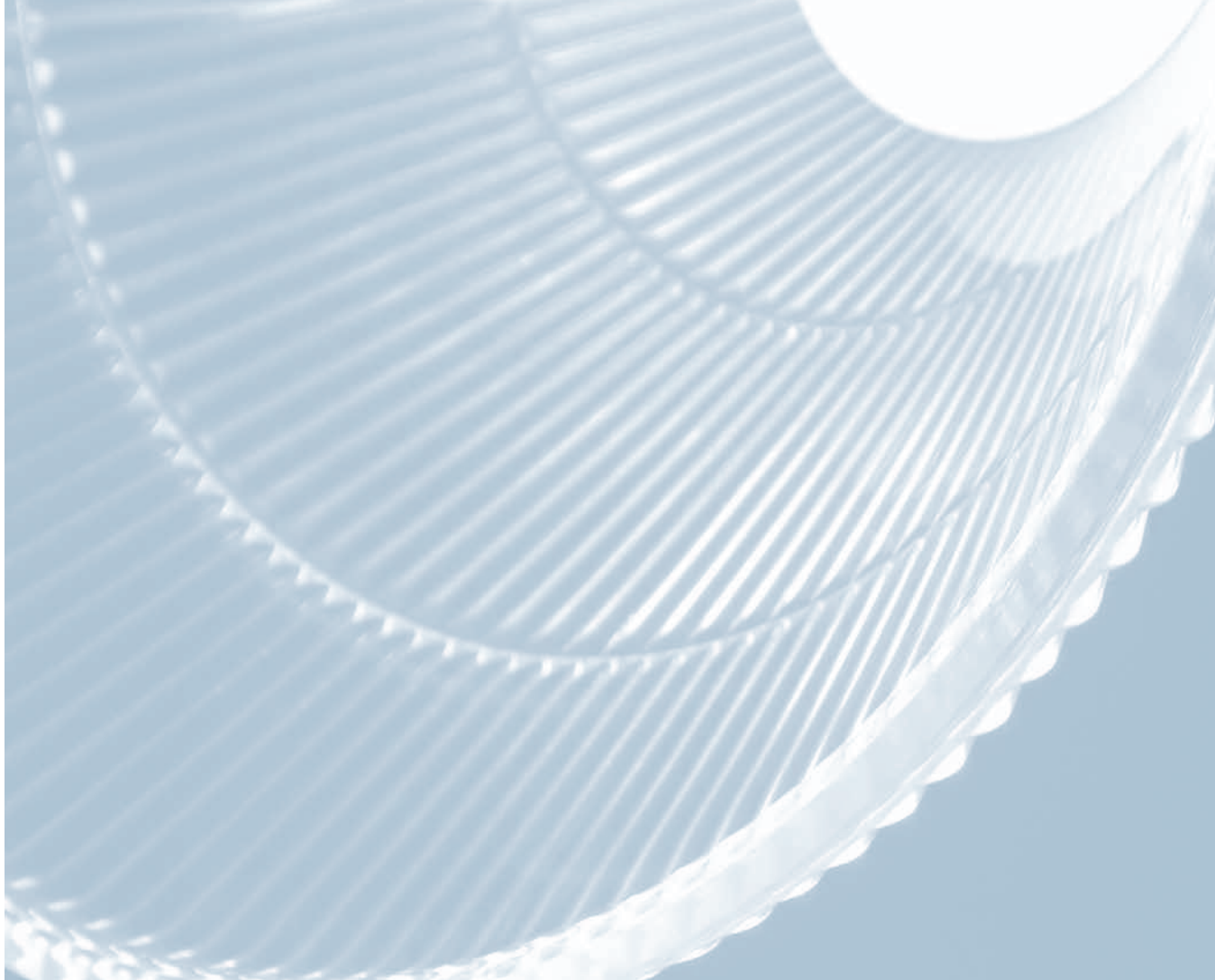
Laurie Ringaert, Director of the Office of Research at laurie_ringaert@unc.edu or 919.966.4581

or

Gina Horton, Assistant Director at ghorton@email.unc.edu or 919.966.0123.

THE MICHAEL HOOKER RESEARCH CENTER





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