Arts and Sciences, College of

**Baruch Institute**

**Quattro, Joseph**

*Population Genetic and Genomic Approaches to Assessing Coastal Environmental Health* - (13010-FA64) 4,628

* Sponsor: *Medical University of South Carolina/NOS/NOAA
* Co-PI: *

**Biological Sciences**

**Felder, Michael**

*Alcohol Metabolism Genes in Transgenic Mice* - (13010-FA44) 277,442

* Sponsor: *National Institutes of Health (NIH)
* Co-PI: *

**Helmuth, Brian**

*Climate Change and Intertidal Biogeography: Coupling Remote Sensing Data to Thermal Physiology* - (13010-FA66) 32,000

* Sponsor: *National Aeronautics & Space Administration (NASA) - General
* Co-PI: *

**Hughes, Austin**

*Evolution of Immune Recognition and Evasion* - (13010-FA52) 15,000

* Sponsor: *National Institute of General Medical Sciences (NIGMS)/NIH
* Co-PI: *

**Tufford, Daniel**

*Ecological Functions and Values of Coastal Plain Seepage Wetlands* - (13010-KA10) 11,090

* Sponsor: *Audubon South Carolina
* Co-PI: *Nelson, John
Chemistry & Biochemistry  
Dawson, John  
Editing: Journal of Inorganic Biochemistry  -  (13020-J400)  

Sponsor: Elsevier Science, Inc.  
Co-PI:  

Myrick, Michael  
Research and Demonstration of Multivariate Optical Computing Applied to Detection of a Spectral Taggant on Automotive Headlamps  -  (13020-JA06)  

Sponsor: Dulles Contractor  
Co-PI:  

zur Loye, Hans-Conrad  
Synthesis of New Platinum Group Metal Oxides  -  (13020-FA79)  

Sponsor: National Science Foundation (NSF)  
Co-PI:  

English  
Dubinsky, Stanley  
Doctoral Dissertation Research Improvement Grants: Continuity Hypotheses Revisited: English l2 Acquisition of Bulgarian Nominal Domain  -  (12530-FA04)  

Sponsor: National Science Foundation (NSF)  
Co-PI: Park, Hyeson  

Geography  
Cowen, David  
GA: Mike Morgan  -  (13540-GP11)  

Sponsor: SC Department of Parks, Recreation, and Tourism  
Co-PI:  

Geological Sciences  
Karabanov, Eugene  
Decadal to Centennial History of Lena River Discharge to the Arctic Ocean  -  (13040-FA38)  

Sponsor: National Science Foundation (NSF)  
Co-PI: Williams, Douglas  

Owens, Thomas  
Receiver Reference Models: A Prototype for Automated Production of EarthScope/US Array Data Products  -  (13040-FA70)  

Sponsor: National Science Foundation (NSF)  
Co-PI: Crotwell, Henry
Sponsored Awards Management (SAM)
February, 2005   New Awards

**Mathematics**
Filaseta, Michael
- Factoring Lacunary Polynomials and Galois Groups of Laguerre Polynomials -
  (13060-FA20)
  
  **Sponsor:** National Security Agency (NSA)
  **Co-PI:** Meade, Douglas

**Physics & Astronomy**
Blanpied, Gary
- Simulation of the Use of Cosmic Rays for Radiography - (13070-FA52)
  
  **Sponsor:** Los Alamos National Laboratory/DOE
  **Co-PI:**

Djalali, Chaden
- Jefferson Lab SURA Fellowship: Photoproduction of Vector Mesons Off Nuclei -
  (13070-FA28)
  
  **Sponsor:** SURA/Jefferson Laboratory/DOE
  **Co-PI:**

**Political Science**
Songer, Donald
- Collaborative Research: Extending a Multi-Country Database and Program of
  Research - (13570-FA00)
  
  **Sponsor:** National Science Foundation (NSF)
  **Co-PI:**

**Psychology**
Prinz, Ron
- Risk Reduction via Promotion of Youth Development - (13580-FA15)
  
  **Sponsor:** National Institute on Drug Abuse (NIDA)/NIH
  **Co-PI:**

**Public Service & Policy Research, Institute for**
Oldendick, Robert
- Health Services Client Satisfaction Survey for the Department of Health and
  Environmental Control - (21100-GL10)
  
  **Sponsor:** SC Department of Health and Environmental Control
  **Co-PI:**
Sponsored Awards Management (SAM)
February, 2005  New Awards

Education, College of

**Instruction & Teacher Education**

**Battle-Bailey, Lora**
*Increasing Second and Third Grade Teachers' Mathematics Knowledge Using Standards-Based Instructional Strategies and Homework Assignments* - (15250-GJ04)

**Sponsor:** SC Commission on Higher Education/USDE

**Co-PI:**

**Freeman, Nancy**
*Final High/Scope 4K Evaluation* - (15250-JL01)

**Sponsor:** High/Scope Foundation for SC First Steps

**Co-PI:**

**Mikell, Amy**
*Exemplary Writing Program* - (15250-GL20)

**Sponsor:** SC Department of Education

**Co-PI:**

**Singer, Jonathan**
*Middle School/Higher Education Partnerships in Science Education-Year 2* - (15250-FL19)

**Sponsor:** SC Commission on Higher Education

**Co-PI:**

**Office of Program Evaluation**

**Yap, Ching Ching**
*Standards-Based Arts Assessment in South Carolina: Music and Visual Arts Assessments for Distinguished Arts Programs (2004-2005)* - (15290-GL10)

**Sponsor:** SC Department of Education

**Co-PI:**

**Arts in Education Research Project I** - (15290-GL12)

**Sponsor:** Arts in Basic Curriculum Project/Winthrop University

**Co-PI:**

**Arts in Education Project II** - (15290-GL13)

**Sponsor:** SC Arts Commission

**Co-PI:**
Engineering & Information Technology, College of

Chemical Engineering

Davis, Thomas
Centralized Hydrogen Production from Nuclear Power: Infrastructure Analysis and Test Case Design - (15510-FA25)
Sponsor: SC Universities Research and Education Foundation/WSRC/DOE
Co-PI:

Van Zee, John
I/UCRC Fuel Cell Center - Operating Account - (15510-JA11)
Sponsor: Various Sponsors
Co-PI:

Weidner, John
REU Site: Novel Technologies for Pollution Prevention - (10060-FA00)
Sponsor: National Science Foundation (NSF)
Co-PI:

Computer Science & Engineering

Cameron, Kirk
CAREER: High-Performance, Power-Aware, Distributed Computing - (15590-FA19)
Sponsor: National Science Foundation (NSF)
Co-PI:

Fenner, Stephen
Quantum Complexity, Algorithms, and Primitives - (15590-FA07)
Sponsor: Army Research Office/DOD
Co-PI:

Electrical Engineering

Khan, M. Asif
AlGaN/GaN Microsensor - (15530-FA38)
Sponsor: Jet Propulsion Laboratory/NASA
Co-PI:

Engineering & Information Technology, College of

White, Ralph
Year 3 Award Contract for the Louis Stokes Alliance for Minority Participation (LS-SCAMP) - (15580-FA03)
Sponsor: SC State/NSF
Co-PI:

Page 5
Sponsored Awards Management (SAM)
February, 2005   New Awards

**Mechanical Engineering**

*Reynolds, Anthony*

*Damage Tolerance of Built-Up Aluminum Aerospace Structures: Addition to for FSW of Titanium Sheet 3 - (15540-JA19)*  
  **Sponsor:** Boeing Corporation
  **Co-PI:** Sutton, Michael

  18,750

**Environment, School of the**

*Environment, School of the*

*Coull, Bruce*

*Distinguished Lecturer in the Environment - (10060-KA00)*  
  **Sponsor:** USC Education Foundation/SCANA & Rasmussen Foundation
  **Co-PI:**

  126,000

**Law, School of**

*Law, School of*

*Morris, Carolyn*

*Children's Justice Act - Operation of Children's Law Office - (15800-FL20)*  
  **Sponsor:** SC Department of Social Services/HHS
  **Co-PI:**

  165,469

**Children's Justice Act - Support of Task Force - (15800-FL21)**  
  **Sponsor:** SC Department of Social Services/HHS
  **Co-PI:**

  85,534

**Training for DSS Staff & Agents - (15800-FL22)**  
  **Sponsor:** SC Department of Social Services/HHS
  **Co-PI:**

  471,876

**Medicine, School of**

*Cell Biology & Neurosciences*

*Millette, Clarke*

*L-Selectin and Testicular Cell Interactions - (18010-FA02)*  
  **Sponsor:** National Institute of Child Health & Human Development (NICHD)/NIH
  **Co-PI:**

  227,588
Sponsored Awards Management (SAM)

February, 2005   New Awards

**Family & Preventive Medicine**
Keisler, David
SC Diabetes Initiative - (18130-GL07)  28,770
- **Sponsor:** Medical University of South Carolina  
- **Co-PI:**

**Internal Medicine**
Bryan, Charles
Center for Bioethics - (21100-L102)  30,057
- **Sponsor:** USC School of Medicine Educ. Trust/Palmetto Health Alliance  
- **Co-PI:**

Lin, Tu
A Multicenter, Double Blind, Randomized Placebo-Controlled Parallel Safety of TAK in Type 2DM - (18190-JA15)  3,460
- **Sponsor:** Takeda Pharmaceutical North America  
- **Co-PI:**

A Multicenter, Double Blind, Randomized Placebo-Controlled Parallel Safety and Efficacy Study of TAK - (18190-JA16)  6,746
- **Sponsor:** Takeda Pharmaceutical North America  
- **Co-PI:**

Talwani, Rohit
Midlands Care Consortium - Ryan White Base Funds - (18190-FL24)  5,000
- **Sponsor:** SC Department of Health & Environmental Control (DHEC)/HHS  
- **Co-PI:**

A Phase II, Randomized, Double-Blind Multi-Center Clinical Trial Comparing Safety and Pharmacokinetics of Standard of Care, PlusAurexis or Placebo, for Treatment of Staphylococcus Aureus Bacteremia (SAB) - (18190-JA18)  7,085
- **Sponsor:** Inhibitex, Inc.  
- **Co-PI:**

A Phase IV, Randomized, Multi-Center, Open-Label Study to Compare the Safety, Tolerability and Efficacy of TRIZIVIR DID vs. COMBIVIR DID + Alazanavir 400 mg QD in Antiretroviral Naive HIV-1 Infected Subjects Over 48 Weeks (GSK ESS100327). - (18190-JA20)  2,354
- **Sponsor:** GlaxoSmithKline  
- **Co-PI:** Horvath, Joseph
Sponsored Awards Management (SAM)
February, 2005   New Awards

Medicine, School of  - (Dean)
Fowler, Stanley
South Carolina Consortium for Cardiovascular Disease and Stroke - (18360-L100)  7,500
Sponsor: Palmetto Health Alliance
Co-PI:

Neuropsychiatry
Harding, Richard
South Carolina Department of Mental Health and University of South Carolina  12,000
Huntington's Disease Genetic Counseling and Testing - (18120-GL06)
Sponsor: SC Department of Mental Health
Co-PI:

Pathology & Microbiology
Fox, Alvin
Application of Carbohydrate Analysis by GC-MS to Microbial Forensics - (18060-FA14)  75,000
Sponsor: Pacific Northwest National Laboratory/DOE
Co-PI:

Pediatrics
Ferrante, Richard
Coordinated Quality Assurance/Quality Improvement Programs Statewide for SC DDSN - (18140-FL36)  55,899
Sponsor: National Association of State Director of Developmental Disabilities Services/HHS
Co-PI:

Neuberg, Ronnie
Children's Oncology Group/National Childhood Cancer Foundation - (18140-FA06)  1,344
Sponsor: National Childhood Cancer Foundation/NCI/NIH
Co-PI:
Pharmacy, College of

**Basic Pharmaceutical Sciences**
Zhu, Bao

*Selective Induction of Estrogen Conjugative Metabolism* - (11110-FA06) 207,338

*Sponsor:* National Cancer Institute(NCI)/NIH

*Co-PI:*

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**Palmetto Poison Center**
Michels, Jill

*Reportable Diseases Database Software* - (11140-GL03) 5,617

*Sponsor:* SC Department of Health and Environmental Control

*Co-PI:*

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Public Health, Arnold School of

**Epidemiology & Biostatistics**
Hebert, James

*Diet Assessment in Genzyme Protocol GD3-163-201 - A Double-Blind, Cross-Over Design Study of Sevelamer Hydrochloride (RENADEL®) and Sevelamer Carbonate in Stage 5 Chronic Kidney Disease Patients on Hemodialysis.*** - (11520-JA02) 22,100

*Sponsor:* Genzyme Corporation

*Co-PI: Hurley, Thomas*

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**Exercise Science**
Davis, J

*Carbohydrates Electrolyte Drinks for Fluid Replacement During and After Exercise* - (11530-J120) 12,000

*Sponsor:* Quaker Oats Company

*Co-PI:*

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Wilcox, Sara

*Evaluation of the Active for Life Program* - (11570-KA10) 253,366

*Sponsor:* Robert Wood Johnson Foundation

*Co-PI:*

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**Health Promotion, Education & Behavior**
Saunders, Ruth

*Duke Endowment Wellness Initiative* - (11540-KA03) 158,745

*Sponsor:* The Duke Endowment

*Co-PI:*
Health Services Policy and Management
Laditka, Sarah
  GA: Melvin Lewis Carter - (11550-LP64)  3,510
  Sponsor: Palmetto Health
  Co-PI:

Prevention Research Center
Hooker, Steven
  Impact of an Urban Rail-trail Conversion in Spartanburg - (11570-KA12)  80,050
  Sponsor: Mary Black Foundation
  Co-PI: Pluto, Delores

Wilson, Dawn
  Supplement to Self-Determination for Increasing Physical Activity - (11570-FA54)  5,724
  Sponsor: National Institute of Child Health & Human Development (NICHD)/NIH
  Co-PI:

Research & Health Sciences, Vice President
Families in Society, Institute for
Andrews, Arlene
  Technical Assistance for Training in Data Collection, Analysis & Reporting for Homeless Coalitions - (10010-FA27)  6,712
  Sponsor: US Department Housing & Urban Development (HUD)
  Co-PI:

Brown, Elsbeth
  Renewal of the Catawba Indian Nation Head Start Contract - (10010-FL12)  15,000
  Sponsor: Catawba Indian Nation/HHS
  Co-PI:

Clover Even Start - (10010-GL08)  3,500
  Sponsor: Clover School District/SC Department of Education
  Co-PI:

Motes, Patricia
  Process Evaluation of the South Carolina Violence Prevention Collaborative Project - (10010-FA28)  31,703
  Sponsor: SC Department of Mental Health/SAMSHA/HHS
  Co-PI:
Sponsored Awards Management (SAM)
February, 2005   New Awards

Research, Vice President for - (General)
Boccanfuso, Anthony
  Columbia Next Energy Initiative Grant - (22000-HA00)  250,000
  
  Sponsor: City of Columbia
  Co-PI:

Social Work, College of
Social Work, College of
Bond, Pamela
  Training, Technical Assistance, and Consultation for ACTION - (15900-KJ01)  13,793
  
  Sponsor: ACTION for Child Protection
  Co-PI:

  Ginsberg, Leon
  GA: Mary Woods - (15900-LP39)  1,882
  
  Sponsor: New Visions Behavioral Health
  Co-PI:

USC Aiken
USC Aiken
Gregg, Paula
  Production of Distant Education DVDs from Developing High Quality Middle School Mathematics Teachers Project - Algebra - (17110-FJ04)  252,341
  
  Sponsor: SC Commission on Higher Education/USDE
  Co-PI:

  Developing High Quality Middle School Mathematics Teacher, Year 2 - (17110-  124,785
  
  Sponsor: SC Commission on Higher Education
  Co-PI:
USC Sumter

**USC Sumter**

McLeod, Mac

Student Support Services - Grant-in-Aid - (17440-FL07)  
Sponsor: US Department of Education  
Co-PI:  
32,775

USC Upstate

**USC Upstate**

Avery, Reginald

General Education Related Faculty Development - (17880-K135)  
Sponsor: Carolina Piedmont Foundation  
Co-PI:  
3,200

Beck, Judy

USC Upstate Middle Grades Program Division of Teacher Quality Grant Proposal - (17880-FJ12)  
Sponsor: Office of Teacher Education/SC Department of Education/USDE  
Co-PI:  
2,000

Report Total: $5,695,764