

Research News

Welcome

Campus life is now well into the routine of a new Fall Semester. Faculty and staff were very busy over the summer as evidenced by the number of submitted proposals. The numbers spiked upwards when compared to the same period last year and the hope is that many of these proposals will transform into funded projects. The number of awards is also off to a good start.

This issue presents the results of a study by Sharon Stewart Cole, PH.D. of the Nevada Cancer Institute. The paper in Research Management Review, Volume 15, Number 2 Fall/Winter 2006 looks at *Researcher Behavior that Leads to Success in Obtaining Grant Funding: A Model for Success*

The field of sponsored research is constantly changing and there are some major NSF changes to be noted in this issue.



Spotlight on... THE COLLEGE OF NURSING



Under the capable leadership of Dean Felissa Lashley the College of Nursing is not only a place where students are taught to be the best nurses but the faculty are also actively engaged in research activities. It is impossible to do justice to all that the College encompasses but here we highlight some of the research projects. The College accounted for almost 9% (\$1,849,000) of sponsored research on the Newark campus in FY07. Current projects include *Addressing Nursing Workforce Development Issues Through a Statewide Coalition* led by **Geri Dickson** and funded by the Robert Wood Johnson Foundation.

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Mentionable Quote

When writing a proposal, don't make it so dense in detail so as to make it hard for a reviewer. For example, group equations or detailed (i.e. boring) experimental procedures at the end of the proposal so as not to impede a reader's flow. Use figures liberally. Have an overview paragraph as often as possible

Source: Richard Mendelsohn, FASN-Chemistry, at the Research Office Panel Discussion/Working Lunch, 10/9/2007.

Questions Demanding Answers In Proposal Writing

Is the research question meaningful?

Is the rationale for the study clear?

Is the research question heuristic (e.g., testable hypothesis)?



Extracted from presentation by Barry Komisaruk, Associate Dean, at the Research Office Panel Discussion/Working Lunch, 10/9/2007

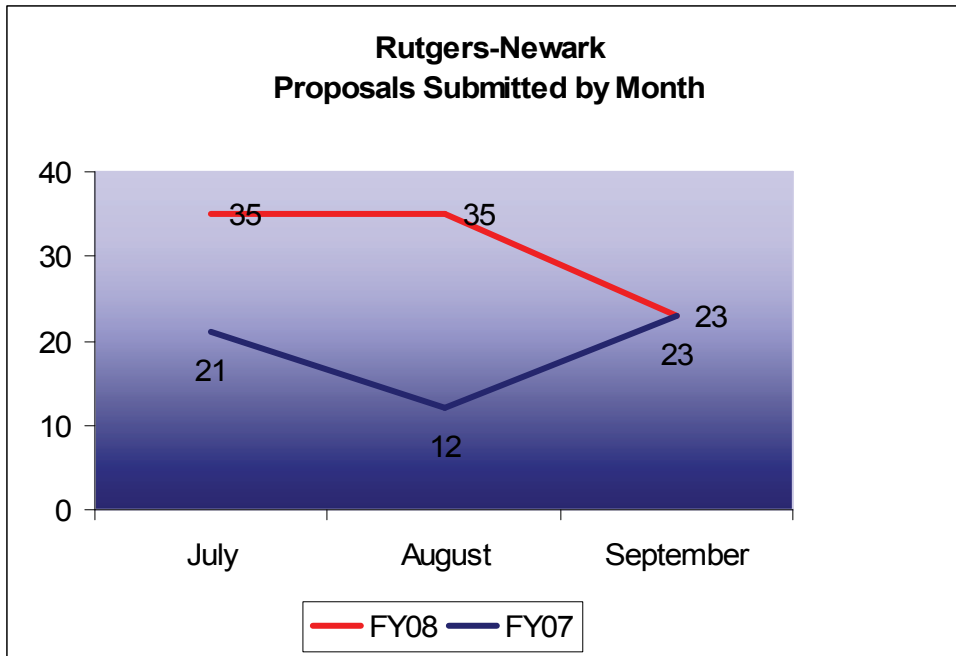
List of Awards for Rutgers Newark FY08 (as of September 30, 2007)

PI	PI dept	Sponsor	Title	Amount	Award type
James Abruzzo	RBS	Prudential Fdn.	Center for Nonprofit and Philanthropic Leadership	\$7,000	New
James Abruzzo	RBS	Victoria Fdn.	Center for Nonprofit and Philanthropic Leadership	\$45,000	New
James Abruzzo	RBS	Prudential Fdn.	General Support for the Center for Nonprofit and Philanthropic Leadership	\$225,000	Continuation
Nabil Adam	RBS-CIMIC	SAP Americas	Improving Business Knowledge Management and Analysis Through use of the RFID Technology and Semantic Web Services	\$538,254	Continuation
Cary Booker	FASN-Academic Foundations	Major Private Fdn.	READY program	\$344,875	Continuation
Stephanie Bush-Baskette	Cornwall Center for Metropolitan Studies	City of Newark, NJ	City of Newark Disparity Study Update	\$24,000	Supplement
Gyorgy Buzsaki	CMBN	James S. McDonnell Fdn.	Neuronal Mechanism of Episodic Memory Recall	\$600,000	New
Gyorgy Buzsaki	CMBN	NIH-NIMH	Hippocampal Interneuronal Network	\$347,625	Renewal
Gyorgy Buzsaki	CMBN	NSF	CRCNS Data Sharing: Physiological and Anatomical Properties of Hippocampal Neurons and Connections	\$84,000	New
John Cantwell	RBS	Columbia University	Innovative Firms in Developing Countries	\$12,000	New
Esther Canty-Barnes	Law School	New Jersey State Bar Fdn.	SNJ-Bar Foundation Fellowship Program for Special Education Legal Clinic	\$90,000	Renewal
Mei-Fang Cheng	FASN-Psychology	NIH-NICHD	Brain Damage and Recovery of Function in the Adult System	\$171,022	Continuation
Laura Cohen	Law School	New Jersey State Bar Fdn.	Rutgers Street Law Project	\$74,000	Renewal
Karen D'Alonzo	College of Nursing	NIH-NINR	Effects of Promotora-Mediated Physical Activity Intervention of Latinas	\$90,558	Continuation
George Farris,	RBS	Institute of Electrical and Electronics Engineers, Inc	Technology Management Research Center	\$17,764	Continuation
Wilma Friedman	FASN-Biology	Johnson and Johnson	J&J Fellowship in Neuroimmunology	\$35,000	Renewal
Elena Galoppini	FASN-Chemistry	ACS/Petroleum Research Fund	Study of Aggregation of Organic Dyes on Metal Oxide Nanoparticle Surfaces	\$90,000	New
Yuan Gao	FASN-Geology	NSF	Quantifying the Relationship Between Dust Source Variability and Dust Emission and Air-to-Sea	\$48,772	New
Alexander Gates	FASN-Geology	ExxonMobil Fdn.	Highlands to Piedmont Geoscience Scholars Program	\$10,000	New
Alexander Gates	FASN-Geology	NSF	Graduate Teaching Fellows Newark Public Schools: A Collaborative Model for Developing Inquiry-Driven Science Classrooms	\$366,634	Continuation
Mark Gluck	CMBN	Case Western Reserve University	National Alzheimer's Disease African American Literacy Project	\$52,000	New
Mark Gluck	CMBN	NSF	Interdisciplinary Study of the Striatum in Human Learning and Decision Making	\$244,469	New
Mark Gluck	CMBN	Anonymous Fdn.	Hippocampus, Memory & Alzheimer's Disease-Conference`	\$5,000	New
Li Guo	FASN-Mathematics	NSF	Second International Workshop on Differential Algebra and Related Topics	\$7,000	New

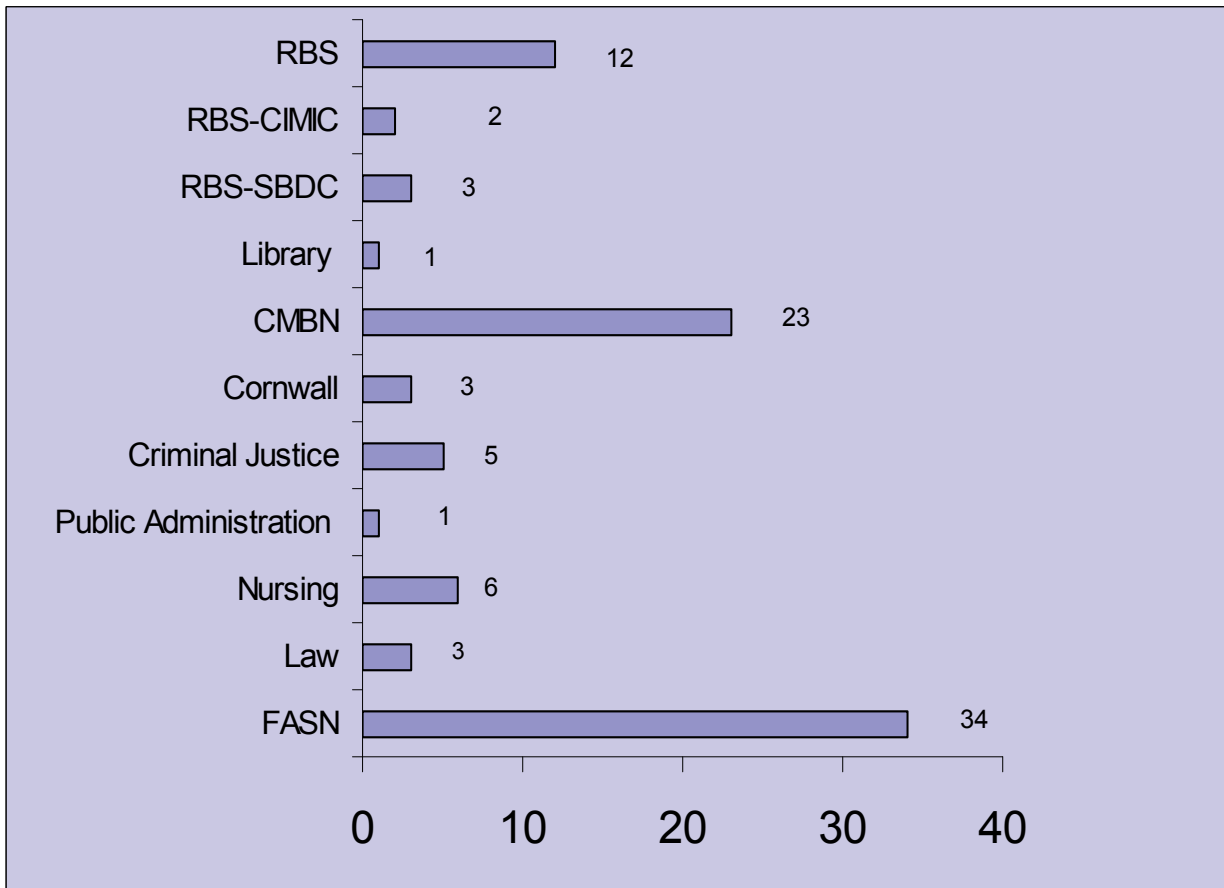
List of Awards for Rutgers Newark FY08 (as of September 30, 2007) Contd.

PI	PI Dept.	Sponsor	Title	Amount	Award Type
Stephen Hanson	FASN-Psychology	NSF	Cortical Similarity and Representation of Faces in Individuals with Autistic Spectrum Disorder	\$100,000	New
Kent Harber	FASN-Psychology	NSF	Perceptual and Social-Psychological Constraints on Threat Detection	\$399,997	New
Kenneth D Harris	CMBN	NSF	Planning Workshop: Corpora for Computational Neuroscience	\$12,505	Supplement
Brenda Hopper	RBS-SBDC	US Small Business Admin	SBDC Portable Assistance Project	\$100,000	New
Brenda Hopper	RBS-SBDC	US Small Business Admin	New Jersey Small Business Development Centers	\$30,597	Supplement
Frank Jordan	FASN-Chemistry	NIH-NIGMS	Structure and Mechanism of Yeast pyruvate Decarboxylase	\$265,396	Continuation
Babis Kalodimos	FASN-Chemistry	NIH-NIGMS	Regulatory Mechanisms of the Crk Adapter Protein	\$303,564	New
Patricia Kettenring	Law School	SNJ-NJ Council on the Arts	Arts Management Internship Program	\$0	Renewal
Bart Krekelberg	CMBN	UC-San Francisco	Eye Movement and Visual Perception	\$240,000	New
Felissa Lashley	College of Nursing	CentraState Healthcare System	Instructing Nursing Students in the Centra State Health System for Clinical Experience During Academic Year	\$93,409	Continuation
Felissa Lashley	College of Nursing	UMDNJ	New Jersey Consortium for Health Professional Bioterrorism Preparedness Training	\$67,219	Continuation
Randi S Mandelbaum	Law School	New Jersey State Bar Fdn.	Rutgers Child Advocacy Center	\$100,000	Renewal
Randi S Mandelbaum	Law School	New Jersey State Bar Fdn.	Aging out: Don't miss out	\$25,000	New
Zhengyu Mao	FASN-Mathematics	NSF	Automorphic Representations and Applications	\$119,999	New
Richard Mendelsohn	FASN-Chemistry	Hospital for Special Surgery	FT-IR Microscopy of Mineral Structure in Osteoporosis	\$51,260	Continuation
Lee Mosher	FASN-Mathematics	NSF	Geometry of Mapping Class Groups and Outer Automorphism Groups	\$104,965	New
Wendy M Nehring	College of Nursing	DHHS-PHS-HRSA	Advanced Nursing Education Traineeship	\$57,647	Renewal
d.t. oglivie	RBS	Diversity Fdn.	Scholars Training and Enrichment Program	\$10,000	New
d.t. oglivie	RBS	PSE&G Foundation	Scholars Training and Enrichment Program	\$180,000	New
d.t. oglivie	RBS	.Citigroup Fdn	Scholars Training and Enrichment Program	\$15,000	New
Piotr Pitorowiak	FASN-Chemistry	Department of Energy	Kerr-Gated Microscopy with Sub-Picosecond Time Resolution	\$169,875	Continuation
Clement Price	FASN-History	SNJ-DS-NJ Historical Commission	New Jerseytime Website	\$3,000	New
Clement Price	FASN-History	Prudential Fdn.	Newark's Summer of Discontent: A City-wide Remembrance and Reflection on 1967	\$50,000	New
Clement Price	FASN-History	PSE&G Fdn.	Newark's Summer of Discontent: A City-wide Remembrance and Reflection on 1967	\$31,500	New
Clement Price	FASN-History	Verizon Foundation	Newark's Summer of Discontent: A City-wide Remembrance and Reflection on 1967	\$23,500	New
Clement Price	FASN-History	Lehrman Institute	US History Saturday Academy	\$15,536	Continuation
Clement Price	FASN-History	Mid Atlantic Arts Fdn.	PA Performing Arts on Tour Concert	\$1,200	New
Ralph Siegel	CMBN	UC - Berkeley	Fluorescent Protein Sensors of Neural Activity	\$17,825	Supplement
Lee Slater	FASN-Geology	NSF	Acquisition of Geophysical Instrumentation for Enhancing Peatlands Research and Training of a Diverse Student Population	\$118,334	New
Lee Slater	FASN-Geology	NSF	Collaborative Research: Quantification of Hydraulic Conductivity from Complex Electric...	\$53,392	New
Slowinski Euegene	RBS	US Department of Commerce	Rutgers University Technical Assistance Program	\$100,000	Renewal
Charlotte Thomas-Hawkins	College of Nursing	NIH-NINR	A theory-based Physical Activity Pilot Intervention for Elders with End-Stage Renal Disease	\$75,010	Continuation
Minoo Varzegar	FASN-PALS	SNJ-NJ Commission on Higher Education	Teaching College Writing to Multi-lingual Leaders...	\$78,539	New
Jorge Veneciano	FASN-Fine Arts	SNJ-DS-NJ State Council on the Arts	Paul Robeson Gallery NJSCA General Program Support FY07	\$3,200	Supplement
Jorge Veneciano	FASN-Fine Arts	Geraldine R. Dodge Fdn.	General Program Support	\$7,500	New
Deborah Walker-McCall	College of Nursing	Johnson and Johnson	Minority Nurse Leadership	\$75,000	Renewal

Rutgers-Newark - Number of Submitted Proposals by Month Jul 07-Sept 07



Rutgers-Newark - Number of Submitted Proposals by Department Jul 07-Sept 07



Matters of Interest

Staff Changes

- Kasia Proszowski moved to a new position in the Rutgers Business School.
- Jessica Teal is the new Sub-contract Monitoring Specialist

Administrative Reminders

- Signed Endorsement Forms **before** proposal submission
- The Director Sponsored Programs is the authorized person for signing agreements **not** the Principal Investigator.
- **All endorsement forms** must have signature approval from the Rutgers Foundation for all proposals to foundations and industry.

What are the odds...?

Hypothesis 1: The total dollar value of awards received will be negatively related to faculty behavior

Hypothesis 2: The number of awards received will be negatively related to faculty behavior.

The Results: See diagram

Read more: http://www.ncura.edu/content/news/rmr/docs/research_behavior.pdf

Most Noteworthy

Lee Slater, Associate Professor in the Department of Earth and Environmental Science holds the most active **research** grants in 2007. He currently manages 7 National Science Foundation 1 SBIR (Dept. of Energy) in collaboration with a small business company.

I with the University of Maine
I with Lawrence Berkeley National Laboratory (Dept. of Energy)



More Matters of Interest

NIH is operating on a continuing resolution through November 16, 2007. All non-competing awards will be funded at the level of 80%. PIs are advised to be cautious with expenditures during this period.

NSF has once again revised its requirements effective January 5, 2008. Among the changes is the requirement that the intellectual merit criterion includes evaluation of proposals for potentially transformative concepts

Even Nobel Prize Winners Have Proposals Rejected

Mario Capecchi won the Nobel prize for Medicine in 2007

The National Institutes of Health has long funded **Capecchi** and Smithies' research, but not always. In 1980, it rejected **Capecchi**'s grant application for experiments on the feasibility of gene targeting, deeming it unlikely to succeed and "not worthy of pursuit," **Capecchi** recalled in a 1996 speech. He pressed ahead anyway.

Excerpt from article by Christopher Lee, Washington Post as posted in the San Francisco Chronicle on October 9, 2007.

Increased Funding for NSF

The **COMPETES Act** recently signed into law set the NSF budgets at \$6.6 billion in FY 2008, \$7.326 billion in FY 2009 and \$8.132 billion in FY 2010.

The law also provides supports of \$33.6 billion for science, technology, engineering and math (STEM) programs across all agencies.

NSF self Analysis

The Impact of Proposal and Award Management Mechanisms (IPAMM) working group was created in March 2006 in the context of the substantial decline in NSF's proposal funding rate between FY 2000 and FY 2004 which raised concerns about the potential impacts on the nation's science and engineering capacity. The group was charged with identifying best practices to achieve a balance between proposal success rates, award sizes and award duration. In the final report to the National Science Board the Group **reported that there was no single best approach and no single appropriate balance of funding rates, award size and proposal load.**

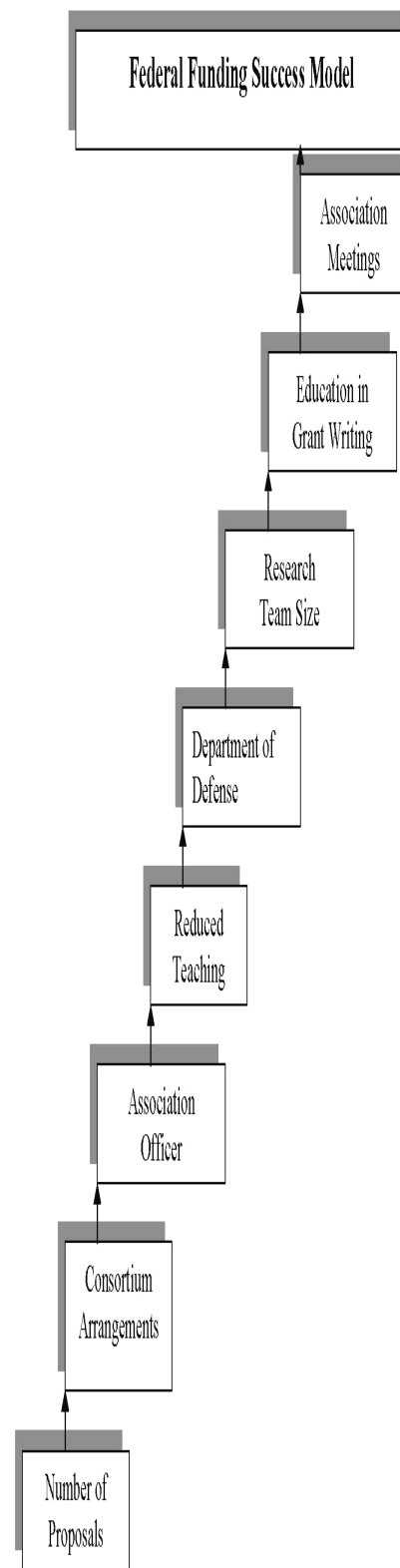


Figure 4. The Comprehensive Federal Funding Success Model. The significant variables for both dollar value of awards and number of awards are combined from the most significant variable number of proposals submitted to the least significant variable, attendance at association meetings.

Spotlight on...

THE COLLEGE OF NURSING

Continued from page 1

Lucille Eller has an NIH project that seeks *Intervention to Enhance Quality of Life in Men with PCa: Development and Testing*. **Linda Flynn** is supported by the Robert Wood Johnson Foundation on two projects that study the *Impact of Nurse Staffing Levels and Work Environmental on Outcomes in New Jersey* and *A Multifaceted Approach to Reduce Medication Errors*. **Rachel Jones** with funding from the National Library of Medicine has developed an innovative hand held device used to develop vignettes in her study to *Assess Urban Women's HIV Sexual Risk Behavior*. **Dean Felissa Lashley** oversees the college's participation in an UMDNJ funded *Consortium for Health Professional Bioterrorism Preparedness*. She also manages several nursing affiliation agreements in which members of her faculty provide nurse training at several hospital networks. **Wendy Nehring** has been very successful in obtaining funding from Johnson and Johnson for *Pediatric Nursing Specialization (PediSim)*. She also spearheads 2 projects funded by the Dept. of Health and Human Services/ Health Resources and Services Administration. These projects help to grow the college by providing trainee tuition in the *Advanced Education Nursing Traineeships* program while the *Advanced Education Nursing Grants* moves the nursing PhD program out of the classroom to a 21st century online and blended learning format. **Joanne Robinson** studies *Urinary Incontinence in Older Men Post Prostatectomy* with funding from NIH. **Charlotte Thomas Hawkins** is involved with *A Theory-Based Physical Activity Pilot Intervention Study for Elders with End-Stage Renal Disease (ESRD)* with funding from NIH. Before moving to FASN **Deborah Walker McCall** managed the Johnson and Johnson funded Minority Nurse Leadership Institute and the HRSA funded *Scholarships for Disadvantaged Students* program.

Training Opportunities

SPIN (Sponsored Programs Information Network)

Camie Morrison, Director of Sponsored Programs Office, Rutgers-Camden and **Mary Feldenkneiss** will share their expertise on getting the most out of the funding searches using SPIN. The workshop will be held on November 15 at 11.00 am in Hill Hall, Room 124.

<http://researchoffice.newark.rutgers.edu/>

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Research Office
Blumenthal Hall, Suite 206
249 University Ave
Newark, NJ 07102
Phone: 973-353-1537
Fax: 973-353-1536

Contacts:

Jacqueline Cornelius, Director
9973-353-1538, jcorneli@andromeda.rutgers.edu
Grants Specialist (Vacant)

Malika Bennett, Assistant
973-353-1537, mbennet@andromeda.rutgers.edu