

## Research News

Vol. 5 No 4



*It was High Anxiety as the fiscal year 2011 was about to end!* I

was crafting possible explanations for the total award activity that was going to fall below last year's achievements. Fortunately there were some late arrivals and the annual report will show that the campus did meet last year's performance level.

*The hope is that it was just a temporary, short term blip.* The proposal numbers for the quarter April to June were down significantly. See diagrams on page 11.

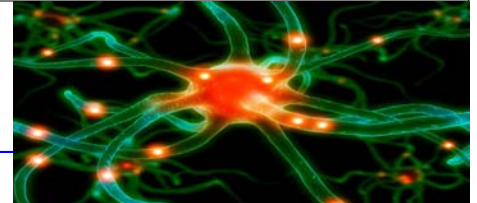
*There* might be free lunches after all (see page 12). *Whether* you use statistical analysis or pull it out of a hat guess the total award amount for FY11 and get a \$10.00 Dunkin Donuts gift card (see page 2). *Do NOT* miss the *only* Newark Workshop on Responsible Conduct of Research (RCR—see page 3)

## Spotlight on...

**Tracy Tran, FASN/Biological Sciences**

**New faculty, Young Investigator, first proposal, first project funded.**

Tracy's grant of \$599,880, over three years, was awarded by the New Jersey Commission on Spinal Cord Research. Tracy's research seeks to understand the molecular mechanisms that govern nervous system wiring during development. She hopes to provide key insights into the causes of neurological disorders and a foundation for repairing the injured spinal cord.



**Deborah Walker-McCall, Associate Dean of Academic Affairs**  
**Too many programs to list here** but Deborah and her team are active in supporting students and ensuring future generations of Rutgers students, especially the underserved. Deborah received \$90,000 from the NJ Commission on Higher Education Aim High Academy Program. Forty high school students will benefit from an intensive summer experience aimed at igniting the spark for a future in college.



**Lee Slater, Dimitris Ntarlagiannis FASN/Earth and Environmental Sciences**

**When is a \$718,930 project actually valued at more than 1.5 million dollars?**

When it is a collaborative effort under the leadership of Lee Slater. Lee leads a team of researchers from the U.S. Geological Survey offices in Connecticut and Virginia and the Pacific Northwest National Laboratory in Washington. The project is funded by the U.S. Army Corps of Engineers and the objective is to provide a Demonstration of a Fractured Rock Geophysical Toolbox (FRGT). FRGT will demonstrate the performance of three under-exploited technologies for characterization and monitoring of biodegradation in fractured rock aquifers.



**Lei Lei, Benjamin Melamed, Rutgers Business School**

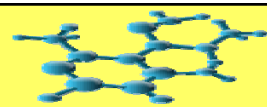
**Medical emergencies can be real scary matters - how well we remember the recent H1N1 pandemic.**

This \$524,625 project is funded by the U.S. Dept. of Homeland Security and researches optimal preparedness and response to pharmaceutical supply chain emergencies. The work team will develop guidelines that will allow government and the pharmaceutical industry to collaborate with a better understanding of the different needs and practices. The result of such collaboration could mean a better quality of life for us all.



**Anthony Braga, Todd Clear, School of Criminal Justice**

**Our campus has a major interest in promoting sustainable communities** and, with \$450,000 support from the Prudential, Nicholson and Victoria foundations, SCJ is engaged in an initiative designed to reduce violent drug crimes in Newark.



## HAVE SOME SUMMER FUN

*Be Inspired*

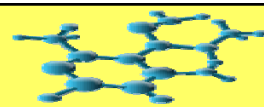
*Take a bite and begin the road  
to sweet success with that next  
new proposal.*

*All you have to do is guess the  
amount of the total campus  
awards for FY11.*

*The first six closest responses win  
a \$10.00 Dunkin Donuts gift  
card.*

*Respond to  
[preaward@andromeda.rutgers.edu](mailto:preaward@andromeda.rutgers.edu)*

*The Chancellor's Office and Research Office staff ineligible.*



## RCR TRAINING REQUIREMENT

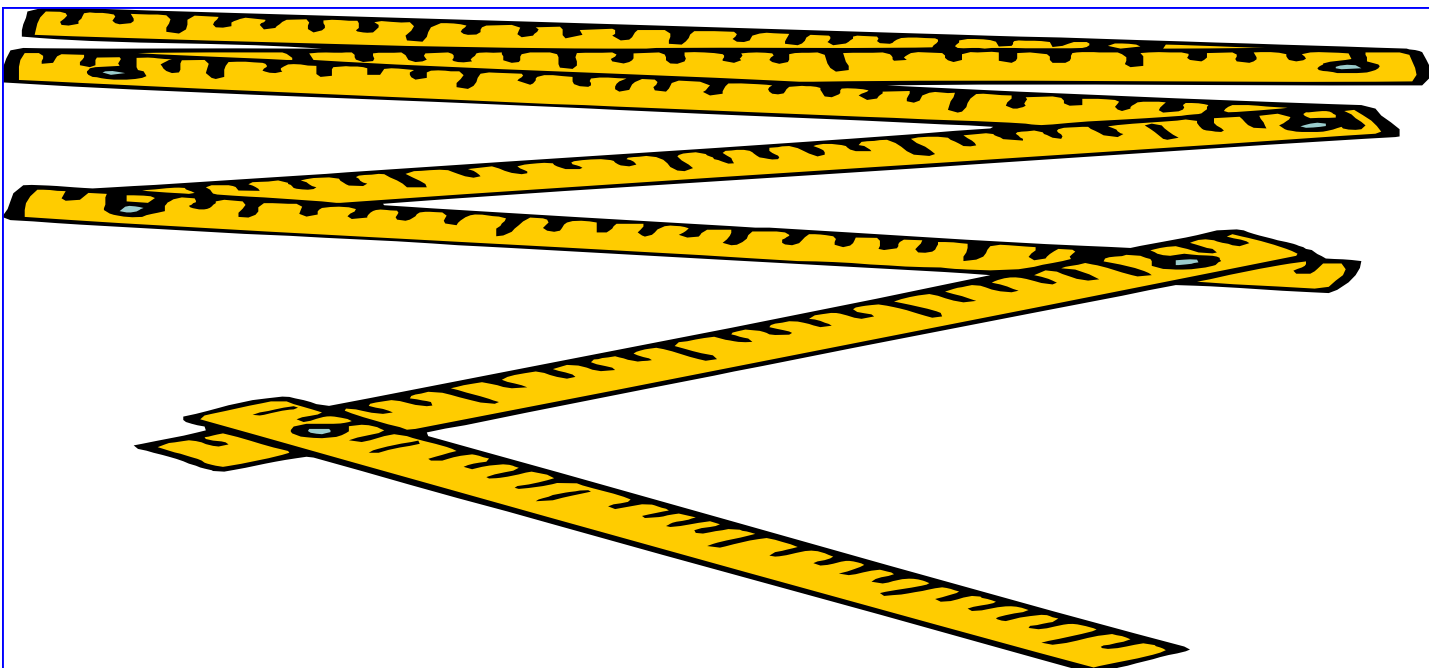
Four days of information for graduate, undergraduate and postdoctoral students working on federal funded research projects.

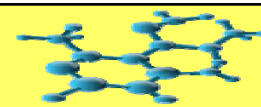
<http://gsn.newark.rutgers.edu/RCR.html>

## DO YOU KNOW?

### *Sec. 4. Text Messaging While Driving by Government Contractors, Subcontractors, and Recipients and Subrecipients.*

Each Federal agency, in procurement contracts, grants, and cooperative agreements, and other grants to the extent authorized by applicable statutory authority, entered into after the date of this order, shall encourage contractors, subcontractors, and recipients and subrecipients to adopt and enforce policies that ban text messaging while driving company-owned or -rented vehicles or GOV, or while driving POV when on official Government business or when performing any work for or on behalf of the Government. Agencies should also encourage Federal contractors, subcontractors, and grant recipients and subrecipients as described in this section to conduct initiatives of the type described in section 3(a) of this order.





# NIH RePORT - FY10 (October 2009—September 2010)

**NOTE:** This record set does not include Projects funded by the Recovery Act. To get list of those Projects, please visit <http://report.nih.gov/recovery>

Detail for: **RUTGERS THE STATE UNIV OF NJ NEWARK**

### Dollars Awarded by Funding Mechanism

Funding Mechanism	Dollar Amount	Number Awarded
Fellowships	\$47,606	1
Research	\$6,838,524	22
<b>Total</b>	<b>\$6,886,130</b>	<b>23</b>

### Dollars Awarded by Major Component

Major Component	Dollar Amount	Number Awarded
SCHOOLS OF NURSING	\$993,848	2
SCHOOLS OF ARTS AND SCIENCES	\$2,390,099	8
ORGANIZED RESEARCH UNITS	\$3,502,183	13
<b>Total</b>	<b>\$6,886,130</b>	<b>23</b>

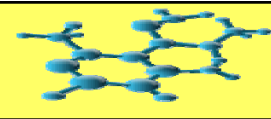
### Dollars Awarded by Department

Department	Dollar Amount	Number Awarded
BIOLOGY	\$1,143,300	3
CHEMISTRY	\$370,300	1
PSYCHOLOGY	\$876,499	4
NONE	\$4,496,031	15
<b>Total</b>	<b>\$6,886,130</b>	<b>23</b>

### Dollars Awarded by Activity Code

Activity Code	Dollar Amount	Number Awarded
F32	\$47,606	1
R01	\$6,297,267	18
R03	\$115,323	2
R13	\$20,000	1
R21	\$154,500	1
R25	\$251,434	0
<b>Total</b>	<b>\$6,886,130</b>	<b>23</b>

**Download This Data-** as an Excel Spreadsheet [Excel for 2010](#) [Excel for 2009](#) [Excel for 2008](#) [Excel for 2007](#) [Excel for 2006](#) [Excel for 2005](#)



## HOW DOES YOUR RESEARCH FIT HERE?

### NIH Sets Forth Vision for Reengineering Translational Science



I am pleased to share with you today a detailed description of the scientific goals and functions of the National Center for Advancing Translational Sciences (NCATS), a proposed new entity of the National Institutes of Health (NIH) that will strive to reengineer the process of developing drugs, diagnostics, and devices. Millions of people are looking to science to deliver new and better ways to detect, treat, and prevent disease—and the scientific opportunities have never been greater. Consequently, the time is right for us to take bold action to transform the translational research enterprise. My vision for the new Center is laid out in a Commentary that published today in the journal *Science Translational Medicine* and follows below.

Francis S. Collins, M.D., Ph.D.  
Director, National Institutes of Health

[Reengineering Translational Science: The Time Is Right \(PDF - 282KB\)](#)

Reference: F.S. Collins, Reengineering Translational Science: The Time Is Right. *Sci. Transl. Med.* **3**, 90cm17 (2011).

## Reminder: Ignore at Peril

### Compliance with NIH Application Format and Content Instructions

Notice Number: NOT-OD-11-080

Key Dates

Release Date: May 27, 2011

#### Purpose

**This Notice serves to remind investigators and institutions that the NIH has the authority to withdraw an application from review and funding consideration for egregious cases in which the Appendix or certain sections of the applications are used to circumvent page limits or include inappropriate material in the application.**

Related Notices

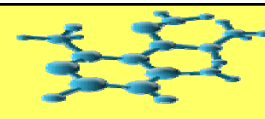
[NOT-OD-10-077](#): Policy Reminder Concerning Appendix Materials for All NIH/AHRQ/NIOSH Grant Applications

[NOT-OD-10-031](#): Availability of Reissued Parent Announcements for Due Dates on or after January 25, 2010

[NOT-OD-10-016](#): Restructured Application Forms and Instructions for Application Due Dates on or after January 25, 2010

[NOT-OD-10-002](#): Clarification on Timing and Page Limits for Restructured Application Forms and Instructions that are required for Due Dates on or after January 25, 2010

[NOT-OD-07-018](#): New Limits on Appendix Materials for All NIH/AHRQ/NIOSH Grant Applications Beginning with Receipt Dates On or After January 3, 2007



# got grants?

## [Application Tips from the Regional Seminar](#)



Last week, I was in Weston, Florida participating in our second and final NIH Regional Seminar of this year. [Continue reading →](#)

Posted on [June 30, 2011](#) by [Sally Rockey](#)

## [What is the Secret to Getting Funded?](#)

Learning as much as you possibly can is a great start. [Continue reading →](#)

## [Should I Contact a Program Officer Before I Apply?](#)

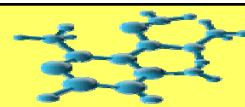
Program officers can help advise you even before you apply. [Continue reading →](#)

**DANA LIBRARY** offers support for researchers in managing large data sets.

Minglu Wang <[minglu@rutgers.edu](mailto:minglu@rutgers.edu)>, Dana's Data Services Librarian, provides consulting services in data management. She can assist with:

- \* resources to help create a data management plan appropriate to your discipline;
- \* consulting on research design, data collection, file creation and storage, version control, and data and analysis documentation;
- \* options for data depositing and archiving, and presentation of research results, data sharing and licensing; and
- \* identifying and resolving other data management related issues.

Ryan Womack <[rwomack@rutgers.edu](mailto:rwomack@rutgers.edu)>, Research Data Manager for RUcore, the institutional repository managed by Rutgers University Libraries, can discuss the archiving services provided by RUcore's research data portal: RUresearch. This would include the portal's access and licensing policies, policies related to large research projects and the new NSF data management requirements, and other RUresearch services.



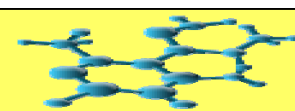
**POST AWARD CORNER**  
**From the Desk of Guyaram Narine**

**Subject: Accounting for Salaries, Fringe Benefits and Indirect Costs (F & A Costs).**

Please note the following:

**Salary** cost transfers must be done via a **Salary and Wage Redistribution and Justification Form**. Under no circumstances should Salary Reallocations or Transfers be done or processed via **journal entries**. If the Salary Reallocation is to satisfy a state cost sharing requirement, then it is important to note that the allocation must be submitted by a certain deadline. Also, if the funding to cost share is coming from a state account, a Temporary Budget Adjustment Entry must be made. If the funding is coming from a non-state account, then a Fund Transfer Entry must be made, using the appropriate fund sub codes.

**Only** the Newark Grants Office is authorized to make **adjustments/corrections** for **Fringe Benefits and Facilities and Administrative Costs (F & A Costs)**. The departments/PIs are not authorized to make entries to these categories (17xxx or 88xxx sub codes).

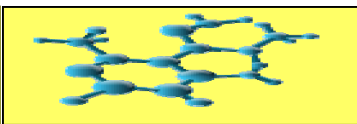


## List of Awards for Rutgers Newark (April 2011 – June 2011)

LAST NAME	FIRST NAME	DEPARTMENT	FUNDING AGENCY	TITLE	AMOUNT	TYPE
Abercrombie	Elizabeth	CMBN	NIH/NINDS	Basal Ganglia Functions in Huntington's Disease: Generic Mouse Model	\$331,209	Continuation
Auffant	Charles	School of Law-Newark	Victoria Fdn.	Rutgers School of Law-Newark Community Law Clinic	\$20,000	Renewal
Braga	Anthony	School of Criminal Justice	Nicholson Fdn.	Analyzing Violent Crime and Illicit Drugs Market Problems in Newark, New Jersey	\$200,000	New
Buzsaki	Gyorgy	CMBN	NIH/NIMH	Hippocampal Interneuronal Network	\$290,790	Continuation
Buzsaki	Gyorgy	Kenneth Harris CMBN	NIH	CRCNS: Dynamics of the Auditory Cortical Column	\$296,124	Continuation
Buzsaki	Gyorgy	CMBN	Human Frontier Science program	Origin and functionality of extracellular brain activity	\$100,000	New
Buzsaki	Gyorgy	CMBN	NIH/NINDS	Network Cooperation in the Hippocampus in Vivo	\$24,334	Increment
Clear	Todd	John Farmer School of Criminal Justice	SNJ-Office of the Attorney General	An Evidence-Based Initiative for Community Justice Policy and Practice	\$250,000	New
Clear	Todd	School of Criminal Justice	SNJ- Dept. of Law and Safety	Targeting Violent Crime Initiative	\$50,000	New
Clear	Todd	School of Criminal Justice	Vera Institute of Justice	A Natural Experiment in Reform: Analyzing Drug Law Police Change in New York State	\$62,125	New
Clear	Todd	John Farmer School of Criminal Justice	SNJ-Office of the Attorney General	An Evidence-Based Initiative for Community Justice Policy and Practice	\$5,000	New
Delgado	Mauricio	Kent Harber FASN-Psychology	NIH/NIMH	Modulation of human reward circuitry by social factors	\$297,219	Continuation
Feighn	Mark	FASN-Mathematics and Computer Science	NSF	Research in Geometric Group Theory	\$88,283	New
Flynn	Linda	College of Nursing	U.S. Dept of Health and Human Resources-HRSA	Nursing Traineeship Program at Rutgers College of Nursing	\$45,111	New
Freund	Sandy	School of Law-Newark	Dept. of the Treasury-IRS	Rutgers, Newark Law School Federal Tax Clinic - LITC 2011	\$88,000	Renewal
Friedman	Wilma	FASN-Biological Sciences	NIH/NINDS	Neurotrophin in the Injured Brain	\$27,037	Increment
Gates	Alexander	Charles Murphy, Ismael Calderon FASN-Earth & Environmental Sciences	NSF	Highlands to Piedmont : A New Jersey Geoscience Program in Newark, NJ	\$337,057	Continuation
Gates	Alexander	Matthew Shook FASN-Earth & Environmental Sciences	Palisades Interstate Park Commission	Highlands Environmental Research Institute	\$10,000	Continuation
Hill	Diane	Chancellor's Office - OUCP	Victoria Fdn.	RU Ready for Work	\$25,000	New
Hill	Diane	Chancellor's Office - OUCP	Prudential Fdn.	Future Business Computer Institute (FBCI)	\$10,000	New



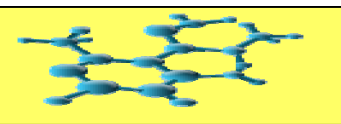




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LAST NAME	FIRST NAME	DEPARTMENT	FUNDING AGENCY	TITLE	AMOUNT	TYPE
Hill	Diane	Chancellor's Office - OUCP	Prudential Foundation	RU Ready For Public Service and HealthCare Services	\$15,000	Renewal
Holzapfel	Claus	Kirk Moloney FASN-Biological Sciences	Dept. of Defense: U.S. Army Corp of Engineers	Understanding and Combating the Fire-enhancing Impact of Non-native Annuals in Deserts	\$297,041	Continuation
Hopper	Brenda	Deborah Smarth RBS-SBDC	Verizon	2011 Success Awards Luncheon	\$7,500	Renewal
Hopper	Brenda	Deborah Smarth RBS-SBDC	EisnerAmper LLP	2010 SBIR Conferences	\$7,270	Renewal
Hopper	Brenda	Deborah Smarth RBS-SBDC	State of N.J. Dept. of Labor and Workforce Development	Entrepreneurial Training for the Unemployed	\$350,000	New
Hopper	Brenda	RBS/SBDC	U.S. Small Business Administration	Veterans Entrepreneurial Training and Counseling	\$150,000	Continuation
Hopper	Brenda	RBS/SBDC	Sanofi-Aventis	2011 NJSBDC Procurement Expo	\$1,500	New
Hopper	Brenda	RB/SBDC	Novartis	2011 NJSBDC Procurement Expo	\$1,750	New
Hopper	Brenda	RBS/SBDC	U.S. Small Business Administration	SBA/NJSBDC	\$3,040,229	Renewal
Jones	Rachel	College of Nursing	NIH/NINR	Reducing HIV Risk in Urban Women: Soap Opera Videos on Video-Capable Cell Phones.	\$32,247	Increment
Jordan	Frank	FASN-Chemistry	NIH/NIGMS	Structure and Mechanism of alpha-Ketoacid Decarboxylases and Dehydrogenases	\$33,264	Increment
Kim	Haesun	FASN-Biological Sciences	NIH/NINDS	Functional Analysis of erbB2 Signaling in myelin-forming glial cells	\$21,000	Increment
Krekelberg	Bart	CMBN	NIH/NEI	Eye Movements and Visual Perception	\$293,674	Continuation
Lei	Lei	Benjamin Malamed RBS-SCMMS	U.S. Dept. of Homeland Security	OPTIMAL PREPAREDNESS AND RESPONSE TO PHARMACEUTICAL SC EMERGENCIES	\$266,519	New
Loftin	John	FASN-Mathematics & Computer Science	Simons Foundation	Canonical Structures in Geometry and Topology	\$35,000	New
Mandelbaum	Randi	School of Law	The Schumann Fund of NJ	Child Advocacy Center - Aging Out: Don't Miss Out	\$25,000	Renewal
Mensah	Yaw	Nabil Adam RBS-Dean's Office	U.S. Dept. of Homeland Security	U.S. Dept. of Homeland Security - Intergovernmental Personnel Assignment : Nabil Adam	\$458,292	Renewal
Mosher	Lee	FASN-Mathematics & Computer Science	NSF	Geometry of the Outer Automorphism Group of a Free Group	\$132,441	Continuation
ogilvie	dt	RBS-MGB-CUEED	Panasonic Corporation of North America	2011 Panasonic / Rutgers Summer Internships	\$26,592	Continuation
Pare	Denis	CMBN	NIH/NIMH	Associative properties of the perirhinal network	\$381,150	Continuation

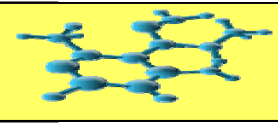




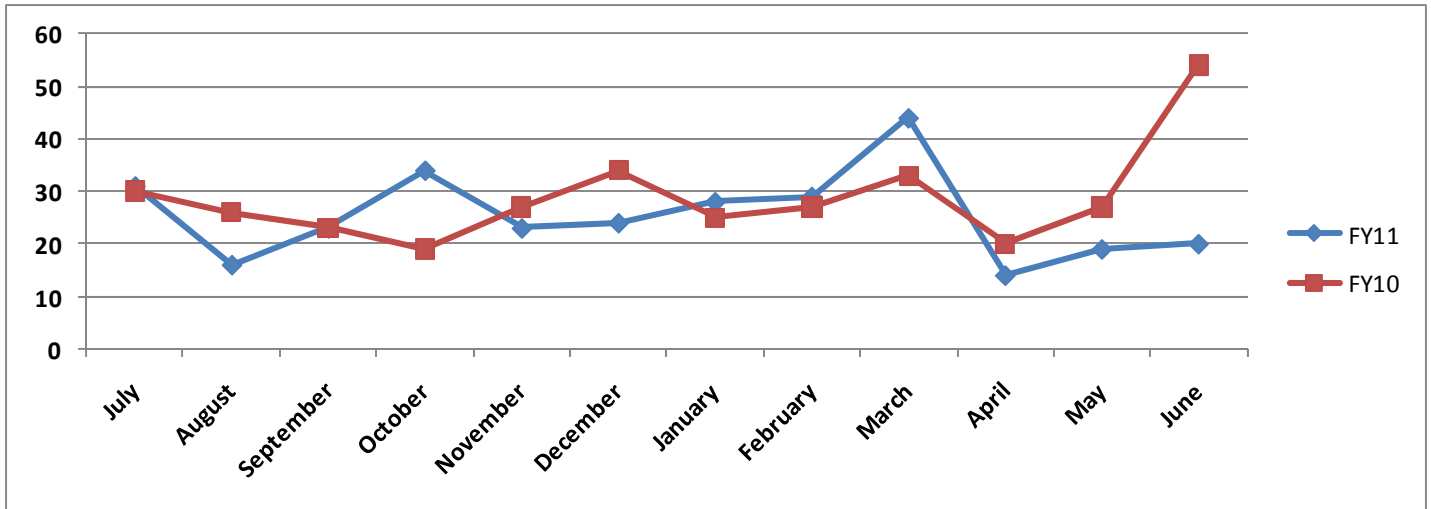
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Pare	Denis	CMBN	University of Missouri-Columbia	Modeling acquisition and extinction of conditioned fear associations in amygdala circuits	\$34,449	Continuation
Pare	Denis	CMBN	NIH/NIMH	Role of Intercalated amygdala neurons in the extinction of conditioned fear	\$34,763	Increment
Plinio	Alexander	RBS	Merck & Co., Inc	Ethical Leadership Conference	\$30,000	New
Robinson	Kelly	SPAA-- Cornwall Center	Liberty Science Center	Evaluation of Self-Sufficient Urban Building Residency	\$1,500	New
Robinson	Kelly	SPAA--Cornwall Center	Liberty Science Center	Evaluation of Young Scientist Lab Workshop	\$5,000	New
Robinson	Kelly	SPAA -- Cornwall Center	Liberty Science Center	Evaluation of Liberty Science Center's Young Scientist Lab Workshops	\$45,000	New
Schafer	Karina	FASN-Biological Sciences	NSF	Collaborative Research: Greenhouse gas balance of urban temperate wetlands	\$19,778	Continuation
Sheridan	John	Frieder Jaekle FASN-Chemistry	NSF	New hybrid materials based on organosilicon and organoboron polymeric scaffolds	\$130,000	Continuation
Siegel	Ralph	CMBN	University of California at Berkeley	Recovery of visual perception by light-gated channels in retinal ganglion cells	\$115,500	Renewal
Slater	Lee	Dimitrois Ntarlagiannis FASN-Earth & Environmental Sciences	Minnesota Pollution Control Agency	Identification of source mechanisms driving complex resistivity signals observed at a mature hydrocarbon-contaminated site	\$7,270	New
Slater	Lee	Dimitrois Ntarlagiannis FASN-Earth & Environmental Sciences	U.S. Geological Survey	Research into geophysical methods for characterization of permafrost and fractured-rock settings	\$8,636	New
Slater	Lee	Dimitrois Ntarlagiannis FASN-Earth & Environmental Sciences	Dept. of Defense: U.S. Army Corp of Engineers	Demonstration of a Fractured Rock Geophysical Toolbox (FRGT) for Characterization and Monitoring of DNAPL Biodegradation in Fractured Rock Aquifers	\$330,000	New
Tepper	James	CMBN	NIH/NINDS	Nigrostriatal Dopamine Function	\$331,209	Continuation
Tran	Tracy	FASN-Biological Sciences	: New Jersey Commission on Spinal Cord Research	Molecular mechanisms that control spinal commissural axons longrange pathfinding in the developing CNS	\$599,880	New
Walker-McCall	Deborah	FASN-Academic Foundations Center	NJ Commission on Higher Education	AIM High Academy: Summer Earth Ecology Program	\$90,000	New
Williams	Junius	FASN-Urban Education	The Schumann Fund of NJ	The Abbott Leadership Institute	\$45,000	Renewal
Williams	Junius	FASN-Urban Education	Victoria Fdn.	The Abbott Leadership Institute	\$40,000	Renewal
Xiong	Hui	RBS-MSIS	NSF	MILAN: Multi-Modal Passive Intrusion Learning in Pervasive Wireless Environments	\$13,336	Supplement
Zaborszky	Laszlo	CMBN	NIH/NINDS	Afferent Regulation of Cholinergic Forebrain Neurons	\$26,661	Increment

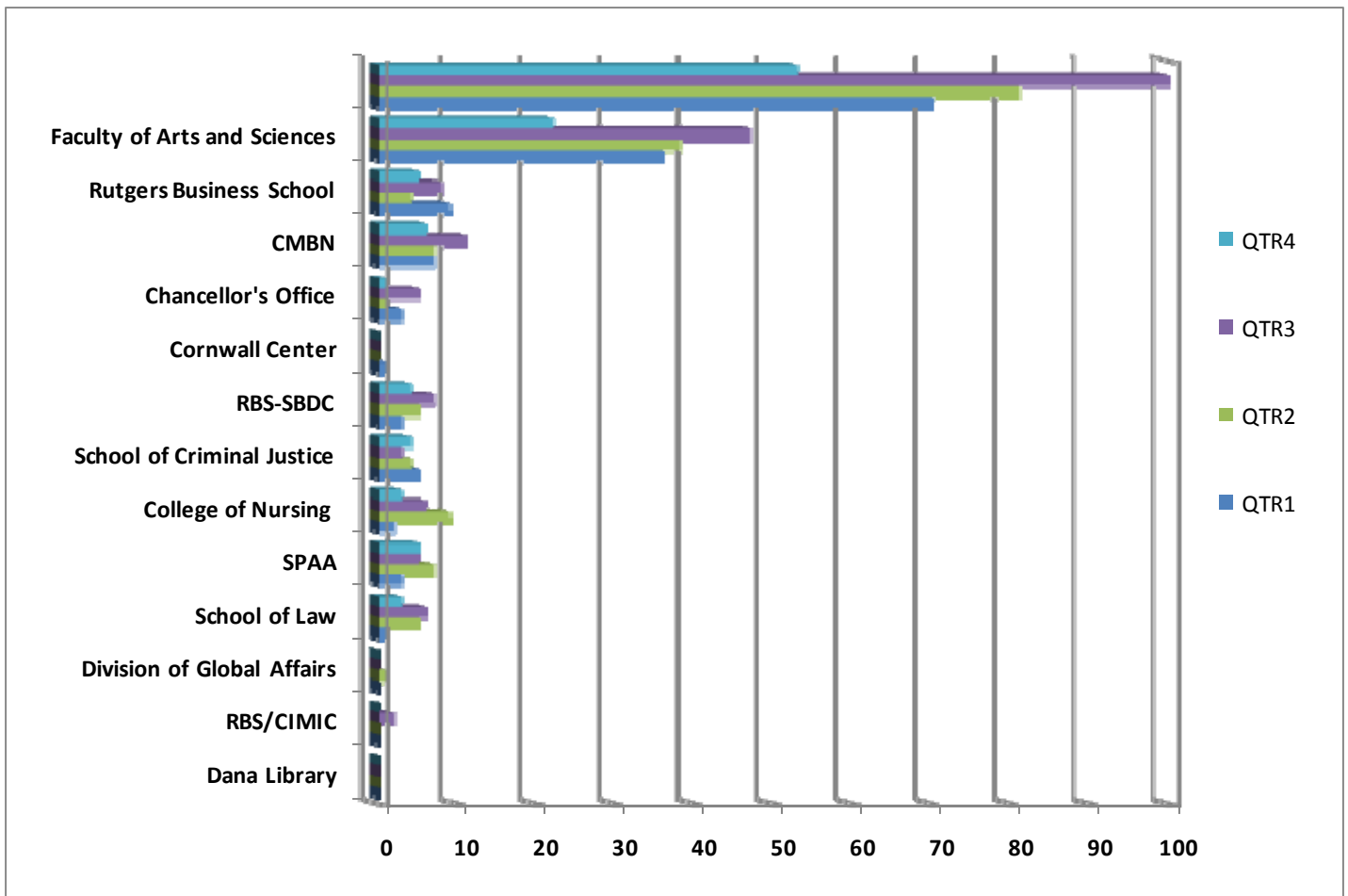




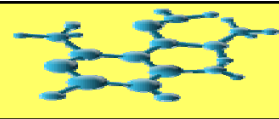
Number of Proposals by Month (based on completed endorsement forms), July 2010-June 2011



Number of Proposals by Dept. (based on completed endorsement forms), July 2010-June 2011



The Cornwall Center is now included in SPAA numbers



## FREE LUNCH (kind of) Whatever it takes to get thee to Washington

The Vice Chancellor for Research and Economic Development, Dr. Michael Pazzani, has offered to reimburse the cost of a trip to Washington to meet with Program Officers of the various funding agencies. For more information contact:

Michael Pazzani - pazzani@rutgers.edu  
or  
Alexander Gates—agates@andromeda.rutgers.edu



## CAY USE IS COMING

### WHAT IS IT?

Cayuse 424 is a mature web-based solution that accelerates the development, collaboration, review and electronic submission of grant proposals. Designed specifically to support research organizations of all sizes, Cayuse 424 lowers the barriers to online proposal development while improving accuracy and accountability in the pursuit of sponsored research funding. (CAYUSEs own words)

### WHY DO WE NEED IT?

To improve the proposal submission and reduce some burdens on the preparers of the proposal and the application. Anything to make the proposal submission process easier.

### DO I HAVE TO DO ANYTHING?

Not at this point in time. It means having to learn a new system and after that say HURRAH!! The Research Office staff will have the same learning curve.

### WHEN?

Soon.

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



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Blumenthal Hall, Suite 206  
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Newark, NJ 07102  
Phone: 973-353-1537  
Fax: 973-353-1536

#### Contacts:

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- Patricia Bender**, Research Contracts/Grants Specialist  
973-353-1539, pbender@andromeda.rutgers.edu
- Timothy Kirby**, Research Contracts/Grants Specialist  
973-353-3461, timkirby@andromeda.rutgers.edu
- Wanda James**, Assistant  
973-353-1537, wandaj@andromeda.rutgers.edu