
RUTGERS

Research Office | Newark



ANNUAL REPORT FY15

July 1, 2014 - June 30, 2015

		
Nancy Cantor Chancellor	Jerome D. Williams Provost	Nabil Adam Vice Chancellor for Research & Collaborations
Rutgers University – Newark	Rutgers University – Newark	Rutgers University – Newark

Awards in F14 and F15

Award Type	FY 14		FY15		FY14 vs. FY15%
Federal Awards	\$ 17,157,674	68%	\$18,947,382	71%	+10%
Corporations	\$ 1,169,978	4%	\$640,456	2%	-45%
State of New Jersey	\$ 4,244,576	9%	\$2,323,163	8%	-45%
Foundations and others	\$ 2,424,087	16%	\$4,571,774	17%	+88%
RU Internal	-	-	\$65,000	<1%	
Total	\$24,748,809	100%	\$26,547,775	100%	+7%

Number of Awards FY15:

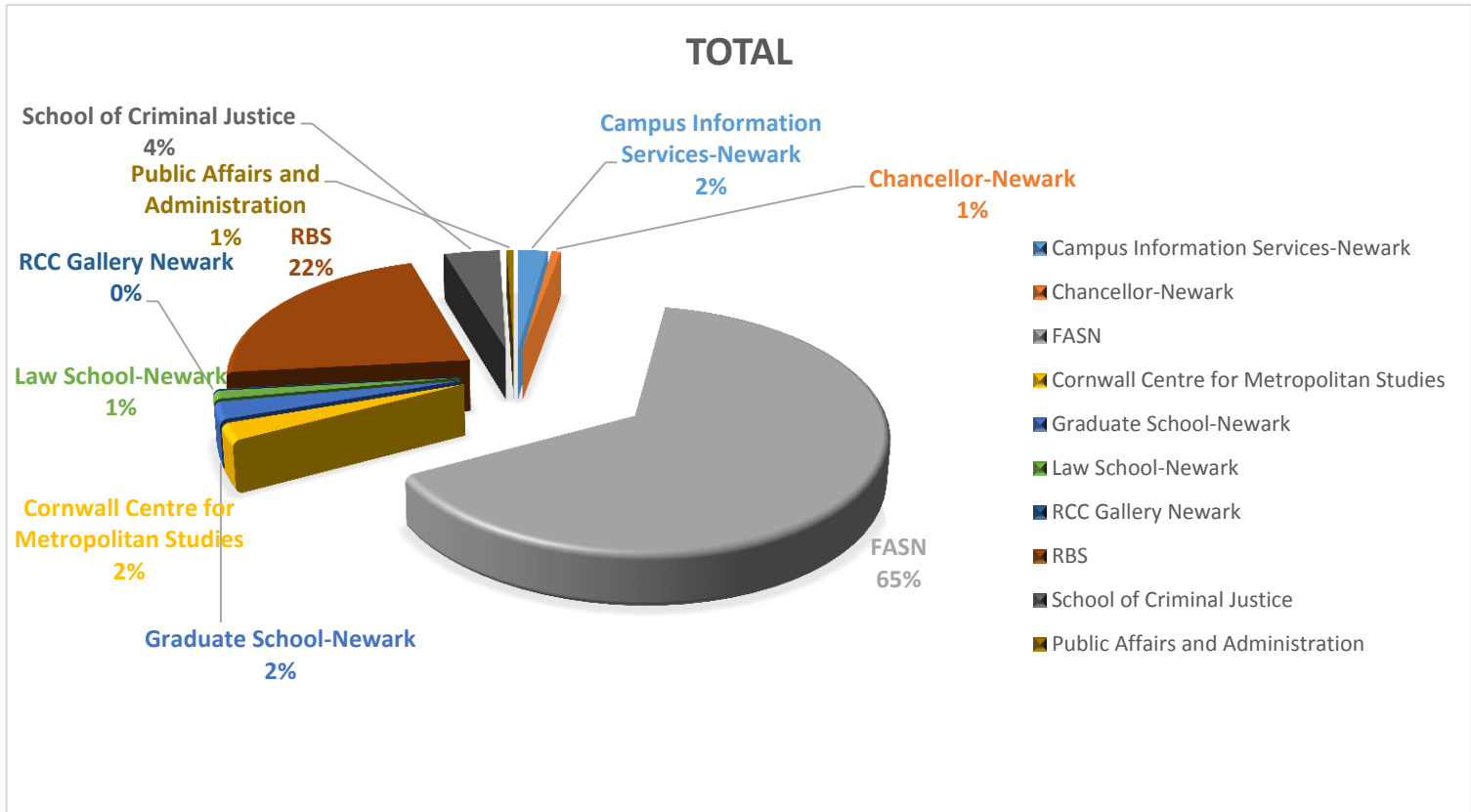
FY 2015	Headcount of UNIQUE AWARDS WON
Fund Source	Count of FUND SOURCE
Federal	65
Foundations and Other	80
State of New Jersey	18
Corporations	12
Internal RU	2
Grand Total	177

FY15 SINGLE AWARDS MORE THAN \$300,000 where the status is funded

<u>LEAD UNIT NAME</u>	<u>LAST NAME</u>	<u>FIRST NAME</u>	<u>SP AGENCY</u>	<u>TITLE</u>	<u>TOTAL COST</u>
FASN/Geology	GATES	ALEXANDER	National Science Foundation	Phase II: Garden State LSAMP	\$3,500,000
RBS/Graduate School of Management	HOPPER	BRENDA	Other Federal	NJ Small Business Development Center	\$2,989,936
FASN/Education	Tutela	Joelle	Department of Education	Excite and Ignite: Preparing the Next Generation of Teachers (NextGen)	\$2,758,059
Ctr Molecular & Behav Neurosci - Neuroscience Center	ZABORSZKY	LASZLO	National Institutes of Health	AFFERENT REGULATION OF CHOLINERGIC FOREBRAIN NEURONS	\$2,318,806
FASN/Biological Sciences	GAO	NAN	National Institutes of Health	Endosomal Control of Microbe-Host Homeostasis	\$1,979,500
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	PARE	DENIS	National Institutes of Health	Functional organization of the bed nucleus of the stria terminalis and its role in the generalization of fear	\$1,937,500
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	PARE	DENIS	National Institutes of Health	Midline thalamic control of the amygdala	\$1,937,500
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	KOOS	TIBOR	National Institutes of Health	Optogenetic Analysis of Neostriatal Circuits Engaged by Cholinergic Interneurons	\$1,695,315
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	KREKELBERG	BART	National Institutes of Health	Eye Movements and Visual Perception	\$1,550,000
FASN/Cornwall Metropolitan Studies, Ctr for	ANGLIN	ROLAND	Associations and Foundations	New City of Learning Collaborative	\$1,500,000
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	GLUCK	MARK	National Science Foundation	Neurocognitive Studies of Sleep and the Generalization of Emotional Learning and Threat Detection	\$794,031
FASN/Biological Sciences	GAO	NAN	Associations and Foundations	Raft Cdc42-driven colon tumor progression	\$792,000
Ctr Molecular & Behav Neurosci - Neurosci Ctr/Excellenc	COLE	MICHAEL	National Institutes of Health	Network Mechanisms of Flexible Cognitive Control	\$747,000
FASN/Physics	MURNICK	DANIEL	National Science Foundation	IDBR: TYPE B Development of a Laser Based Benchtop Radiocarbon Analyzer	\$703,354
FASN/Chemistry	LOCKARD	JENNY	National Science Foundation	Molecular level interrogations of metal-organic frameworks using electronic and structurally sensitive spectroscopy methods	\$676,461

FASN/Psychology	Tricomi-Shiflett	Elizabeth	National Science Foundation	Neural investigations of feedback-based learning	\$640,883
School of Criminal Justice	MILLER	JODY	National Science Foundation	Collaborative Research: Broadening Participation and Perspectives In The Study of Culture and Justice.	\$637,658
FASN/Chemistry	GALOPPINI	ELENA	Department of Energy	Model Dyes for Study of Electron Transfer Processes at Metal Oxide Semiconductor Interfaces	\$625,784
Graduate School-Newark	KOMISARUK	BARRY	National Institutes of Health	MBRS Program-Rutgers Newark	\$613,775
FASN/Chemistry	PAVANELLO	MICHELE	National Science Foundation	Electron-Rich Oxide Surfaces	\$592,640
FASN/Geology	GLAMOCLIA	MIHAELA	National Aeronautics and Space Administration	Preservation of Life Signatures in Cached Evaporites - Use of a Planetary Analogue to develop sampling, curation and a database of analogue sites and samples for use in Solar System Exploration	\$588,829
FASN/Biological Sciences	FRIEDMAN	WILMA	Commission on Brain Injury Research	Strategies for Neuroprotection from seizure-induced neuronal loss	\$540,000
FASN/Biological Sciences	FRIEDMAN	WILMA	Commission on Brain Injury Research	Mechanisms of Neuronal Death Following TBI	\$540,000
FASN/Biological Sciences	WEBER	GREGORY	National Institutes of Health	Interplay of Physical Forces, Cell Cohesion and Cytoskeleton during Morphogenesis	\$464,254
RBS/Management Science & Information Systems -N	ECKSTEIN	JONATHAN	Department of Defense	Coherent Risk-Adjusted Decisions over Time: a Bilevel Programming Approach	\$452,616
FASN/Chemistry	JORDAN	FRANK	National Institutes of Health	Mechanistic Issues Related to Aging on Human 2-Oxoglutarate Dehydrogenase Complex	\$452,000
FASN/Biological Sciences	CALI	ANN	National Institutes of Health	Assembly dynamics and roll of P14P enriched replication organelles for enterovirus	\$384,150
FASN/Geology	GLAMOCLIA	MIHAELA	National Aeronautics and Space Administration	Preservation of Life Signatures in Cached Evaporites - Use of a Planetary Analogue to develop sampling, curation and a database of analogue sites and samples for use in Solar System Exploration	\$378,292
FASN/Biological Sciences	GAO	NAN	National Institutes of Health	Abrogating a survival pathway in early colon cancer cells	\$365,781
FASN/Biological Sciences	MAUREL	PATRICE	National Institutes of Health	Nectin-like cell adhesion molecules and the mechanisms of myelination	\$339,063
FASN/Chemistry	BRENNER-MOYER	STACEY	National Science Foundation	CAREER: I. Organocatalyzed cascade reactions as sustainable synthetic methods	\$319,408

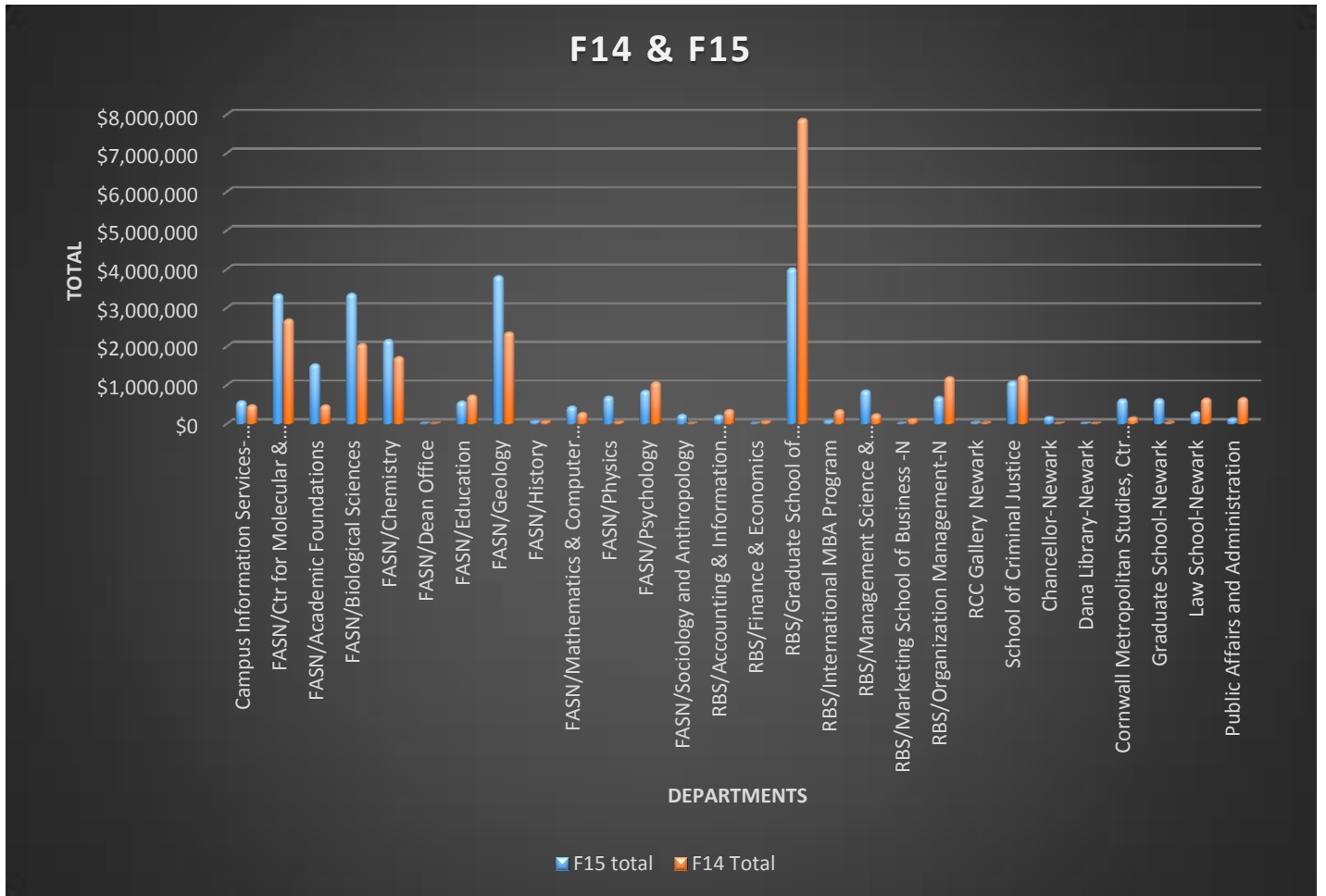
FY15 AWARDS BY DEPARTMENT



FY15 AWARDS BY DEPARTMENTAL UNIT (FUNDED)

<u>Departments</u>	<u>Total</u>
Campus Information Services-Newark	\$582,565
Chancellor-Newark	\$179,280
FASN	
Academic Foundations	\$1,538,455
Biological Sciences	\$3,361,564
Chemistry	\$2,169,322
Dean Office	\$75
Education	\$574,706
Geology	\$3,818,081
History	\$68,450
Mathematics & Computer Science	\$445,866
Physics	\$703,354
Psychology	\$852,829
Sociology and Anthropology	\$229,900
Centre for Molecular & Behavioural Neuroscience	\$3,345,026
Cornwall Centre for Metropolitan Studies	\$631,920
Graduate School-Newark	\$635,775
Law School-Newark	\$297,266
RCC Gallery Newark	\$24,701
RBS	
Accounting & Information Systems -N	\$212,000
Graduate School of Management	\$4,018,763
International MBA Program	\$80,518
Management Science & Information Systems -N	\$860,833
Organization Management-N	\$690,000
School of Criminal Justice	\$1,092,326
Public Affairs and Administration	\$134,200
Total	\$26,547,775

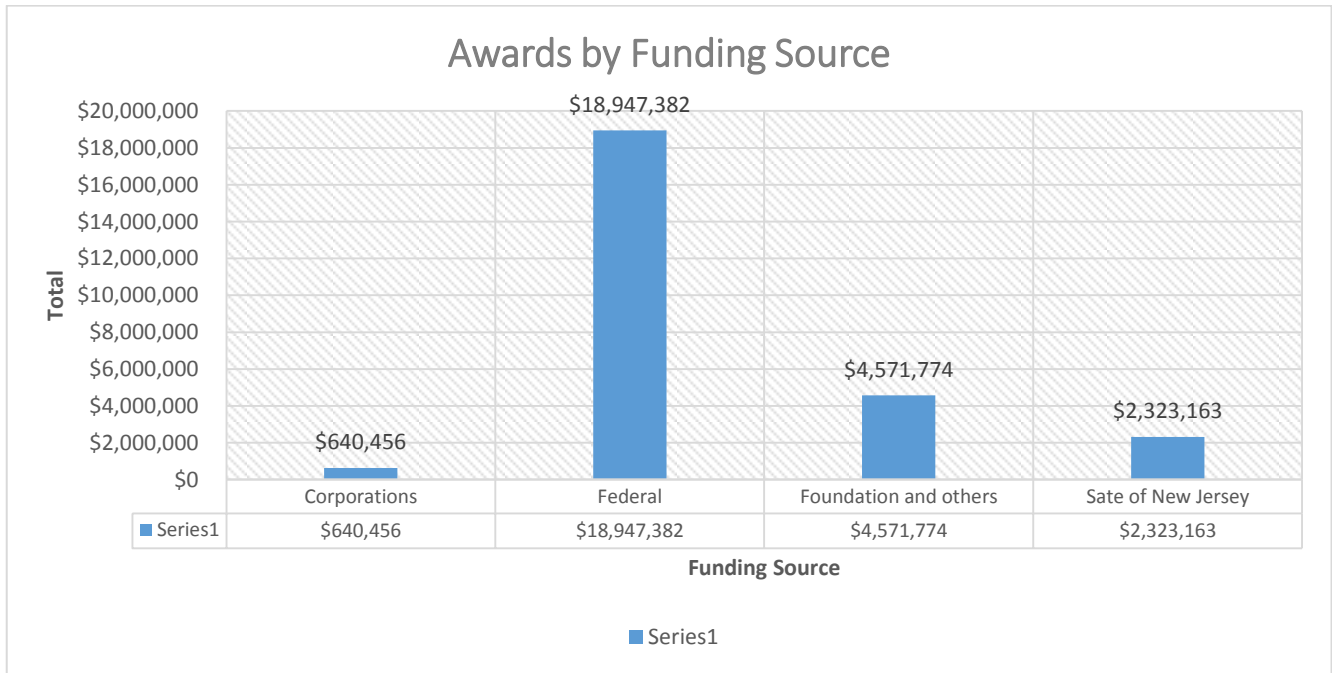
COMPARISION BETWEEN F14 & F15



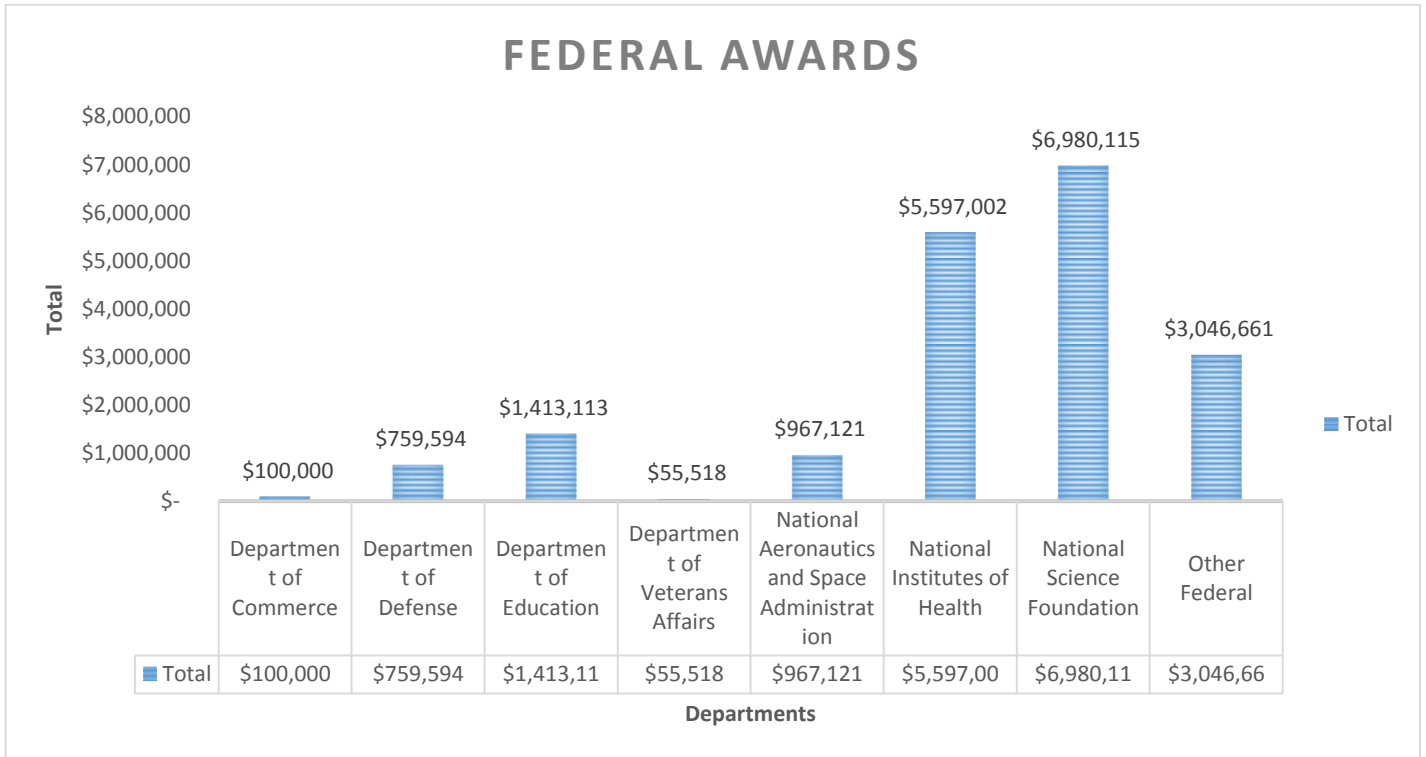
FY15 AWARDS BY SPONSOR UNIT (FUNDED)

Sponsors	Total
Federal	
Department of Agriculture	\$28,258
Department of Commerce	\$100,000
Department of Defense	\$759,594
Department of Education	\$1,413,113
Department of Veterans Affairs	\$55,518
National Aeronautics and Space Administration	\$967,121
National Institutes of Health	\$5,597,002
National Science Foundation	\$6,980,115
Other Federal	\$3,046,661
Foundations and Others	
Associations and Foundations	\$4,227,114
Institutions of Higher Education	\$207,616
Other State, Local & Foreign Govts	\$137,044
County, Local & Other NJ Agencies	\$975,623
State of New Jersey	
Department of Agriculture	\$39,842
Department of Corrections	\$40,000
Department of Education	\$232,000
Department of Health	\$450,000
Department of Law and Public Safety	\$260,997
Department of State	\$324,701
Internal RU	\$65,000
Corporations	
Corporate Contracts	\$432,856
Corporate Grants-in-Aid	\$207,600
Total	\$26,547,775

FY15 AWARDS BY FUNDING SOURCE



FY15 DIRECT FEDERAL AWARDS



FY15 SINGLE AWARDS MORE THAN \$1,000,000 where the status is pending

<u>LEAD UNIT NAME</u>	<u>LAST NAME</u>	<u>FIRST NAME</u>	<u>SP AGENCY</u>	<u>TITLE</u>	<u>TOTAL COST</u>
Graduate School-Newark	KOMISARUK	BARRY	National Institutes of Health	MBRS Program-Rutgers Newark	\$ 4,939,232
FASN/Biological Sciences	TRAN	TRACY	National Institutes of Health	Semaphorin signaling controls neuronal dendritic morphogenesis and behavior	\$ 3,232,342
FASN/Psychology	GRAVES	WILLIAM	National Institutes of Health	Identifying critical neural systems for typical and impaired reading	\$ 3,129,064
FASN/Chemistry	JORDAN	FRANK	National Institutes of Health	Dynamics and Interactions in the Human Pyruvate Dehydrogenase Complex	\$ 3,040,271
Ctr Molecular & Behav Neurosci - Neuroscience Center	GLUCK	MARK	National Institutes of Health	Cognitive Mechanisms of Responsivity to Selective Serotonin Reuptake Inhibitors in Negative-Valence Psychopathology	\$ 2,483,486
Ctr Molecular & Behav Neurosci - Neuroscience Center	PARE	DENIS	National Institutes of Health	Neural basis of extinction deficit in a rat model of trauma-induced anxiety	\$ 1,937,500
FASN/Biological Sciences	FRIEDMAN	WILMA	National Institutes of Health	Role of the p75 neurotrophin receptor in the developing cerebellum	\$ 1,937,500
FASN/Biological Sciences	TRAN	TRACY	National Institutes of Health	Distinct semaphorin signaling controls neuronal dendritic morphology and behavior	\$ 1,937,500
Ctr Molecular & Behav Neurosci - Neuroscience Center	COLE	MICHAEL	National Institutes of Health	Network Mechanisms of Flexible Cognitive Control	\$ 1,937,480
RBS/Management Science & Information Systems -N	ADAM	NABIL	National Institutes of Health	Predictive Analysis and Hypothesis Discovery: Psychiatric and Substance-use Disorders	\$ 1,816,093
FASN/Geology	NTARLAGIANNIS	DIMITRIOS	Associations and Foundations	Rapid geophysical mapping and characterization of surface / shallow contamination as a result of oil spills	\$ 1,363,007
FASN/Academic Foundations	WALKER-MCCALL	DEBORAH	Department of Education	Student Support Services - 1586	\$ 1,192,480
FASN/Psychology	LOBUE	VANESSA	Institutions of Higher Education	Emerging relations between attention and negative affect in the first two years of life	\$ 1,181,714
Ctr Molecular & Behav Neurosci - Neuroscience Center	GLUCK	MARK	National Science Foundation	SCH: INT: Collaborative Research: Detection and Analysis of Sleep-Related Physiologic Biosensor Signals as Predictors of Emotional Cognition in Healthy and PTSD Populations	\$ 1,107,266
FASN/Biological Sciences	WARE	JESSICA	National Science Foundation	Unraveling the climate driven processes behind population	\$ 1,074,102

				changes in freshwater life north of the arctic circle: a holarctic approach	
RBS/Management Science & Information Systems -N	VAIDYA	JAIDEEP	National Institutes of Health	Secure and Private Collaborative Environments (SPACES) for Biomedical Analytic	\$ 1,046,314
FASN/Psychology	BOUKRINA	OLGA	National Institutes of Health	Neurocognitive components of reading as a basis for planning treatment	\$ 1,029,328
RBS/Management Science & Information Systems -N	ATLURI	VIJAYALAKSH MI	National Science Foundation	Multi-dimensional Multi-granular Security Policy Configuration and Management	\$ 1,001,043

The Rutgers University-Newark (RU-N) Office of Research and Sponsored Programs

(ORSP) provides support to faculty, students, and staff across RU-N working to secure external funding for their research projects and academic programs.

How Can We Help?

RU-N ORSP's staff members are available to meet with you to talk about your research and academic project interests and connect you to various resources designed to help you find funding and collaborative opportunities. We welcome researchers at all levels of expertise, and look forward to talking with you about a specific proposal as well as exploring ideas and possibilities. To arrange an individual meeting, a presentation, or a seminar for small groups, please contact:

Letitia Dean, Assistant Director	deanle@ca.rutgers.edu	973-972-0283
Patricia Bender, Grant Specialist	pbender@rutgers.edu	973-353-1539
Tim Kirby, Grant Specialist	timkirby@rutgers.edu	973-353-3461
Wanda James, Administrator	wandaj@rutgers.edu	973-353-1537

You may want to explore some of the **online resources and databases** available to all members of the RU-N community even before meeting with us. These include:

- **grants.gov** lists federal grant funding opportunities (<http://www.grants.gov/web/grants/home.html>)
- **PIVOT** (http://pivot.cos.com/funding_main). This portal allows students, faculty, and staff to establish individual searches specific to their funding needs, and provides contact information for possible collaborators world-wide.
- **Foundation Directory Online** (<http://www.libraries.rutgers.edu/indexes/fonline>) The *Foundation Directory Online (Professional)* provides information on more than 100,000 foundations, corporate giving programs, and grant making public charities in the US. All four databases, as well as the Foundation Center's philanthropy news, nonprofit jobs, RFPs, foundation publications, and nonprofit literature databases, can be searched simultaneously.
- **GRADFUND** (<http://gradfund.rutgers.edu/index.php>) provides valuable information and resources for graduate students as well as a database of grant opportunities.

Do you have questions about how to interpret institutional and funder policies and regulations?

Please consult the Office of Research and Sponsored Programs website (<http://orsp.rutgers.edu/>) or give us a call. We can help you find the policy and the policy professional best prepared to address your needs.

We welcome your suggestions as we strive to respond fully to your requests, and we remain committed to continuous improvement.

Nabil Adam
Vice Chancellor for Research and Collaborations
adam@adam.rutgers.edu **973-353-5541**