

ANNUAL REPORT

2012-2013



OFFICE OF RESEARCH

OFFICE OF SPONSORED PROGRAMS

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Executive Summary

This Annual Report from the Research Office/Office of Sponsored Programs lists all proposals submitted and awards received during FY-2013 for the Glassboro and Camden campuses (including the South Jersey Tech Park). During FY-2013, the Office of Sponsored Programs received grant awards exceeding **\$11.1M**-a **doubling** of awards from FY-2011 and a 22% increase from the previous year. These awards include grants and contracts from government and industry.

The Office of Corporate and Foundation Relations within University Advancement received an additional **\$1.5M** in grant funding from individuals, corporations and foundations to support faculty scholarly and service activities. **In FY-2013, Rowan University faculty and staff raised a total of \$12.6M for sponsored programs and projects.**

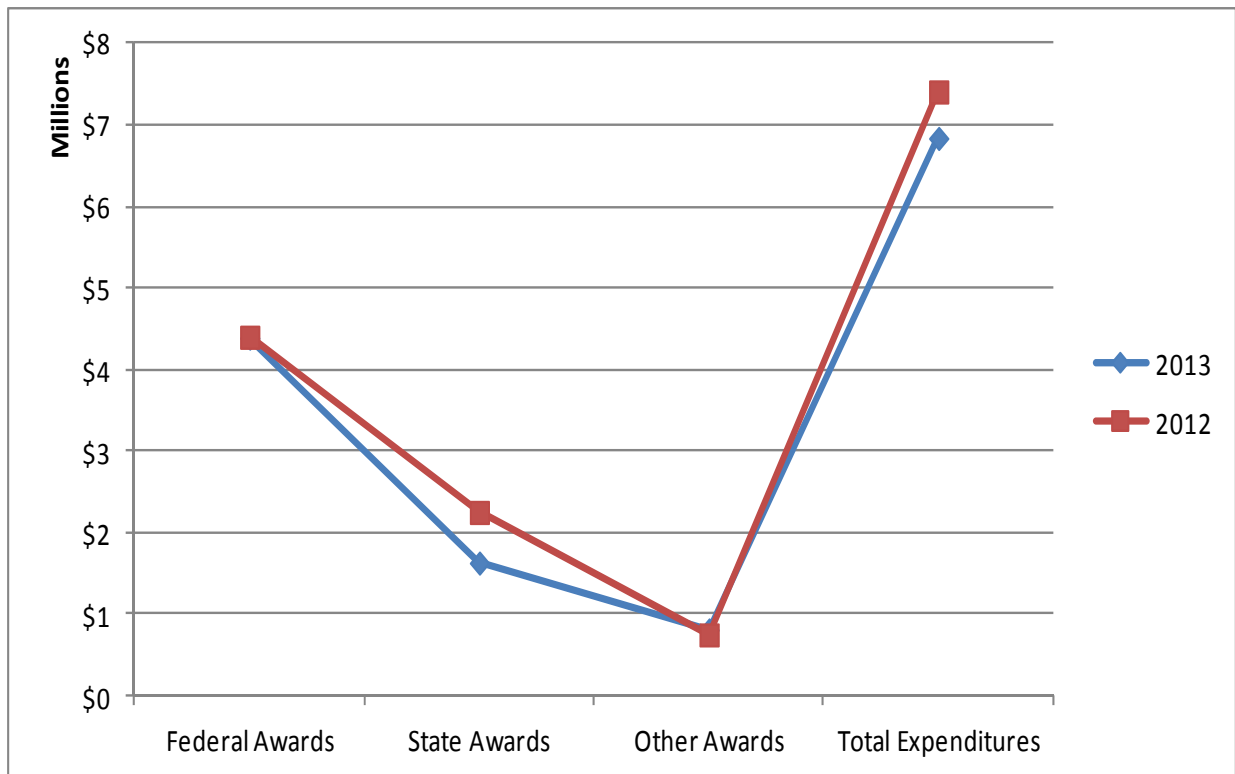
Dr. Shreekanth Mandayam
Associate Provost for Research
Executive Director, South Jersey Technology Park

Total External Funds Raised

Unit	Office of Sponsored Programs	University Advancement	Department
Administration	\$ 5,100,000	\$ -	Facilities
	\$ 50,784	\$ -	Athletics
	\$ -	\$ 304,000	Academic Affairs
	\$ -	\$ 350	Library
	\$ 612,590	\$ -	Educational Opportunity Fund
Camden Campus	\$ 1,069,569	\$ -	C.H.A.M.P./Gear-Up
	\$ -	\$ 15,000	Dean's Office
	\$ 236,925	\$ -	Upward Bound
	\$ 490,075	\$ -	Educational Opportunity Fund
Communication and Creative Arts	\$ -	\$ 2,790	Radio/TV/Film
Cooper Medical School	\$ 159,927	\$ 25,000	Dean's Office
	\$ -	\$ 446,000	Neurosurgery
Performing Arts	\$ -	\$ 77,000	Music
Education	\$ 468,950	\$ -	Dean's Office
	\$ 43,846	\$ -	Teacher Leadership
	\$ -	\$ 60,000	Health & Exercise Science
	\$ 22,000	\$ -	Educational Services, Administration & Higher Education
Engineering	\$ -	\$ 29,272	Dean's Office
	\$ 2,500	\$ -	Chemical Engineering
	\$ -	\$ 53,800	Electrical and Computer Engineering
	\$ 43,784	\$ 328,612	Civil and Environmental Engineering
	\$ 36,000	\$ -	Mechanical Engineering
Engineering: South Jersey Technology Park	\$ 22,891	\$ -	Chemical Engineering
	\$ 211,157	\$ -	Civil and Environmental Engineering
	\$ 398,930	\$ -	Electrical and Computer Engineering
	\$ 286,341	\$ -	Mechanical Engineering
Science and Mathematics	\$ -	\$ 50,000	Dean's Office
	\$ -	\$ 6,250	Biological Sciences
	\$ 563,710	\$ 935	Chemistry & Biochemistry
	\$ 115,000	\$ 34,000	Computer Science
	\$ 407,700	\$ -	Mathematics
	\$ 163,745	\$ -	Physics and Astronomy
	\$ 368,656	\$ -	Psychology
Humanities and Social Sciences	\$ 4,500	\$ -	English
	\$ 4,494	\$ -	History
	\$ 260,180	\$ 30,000	Geography & Environment
TOTAL	\$ 12,607,263	\$ 1,463,009	

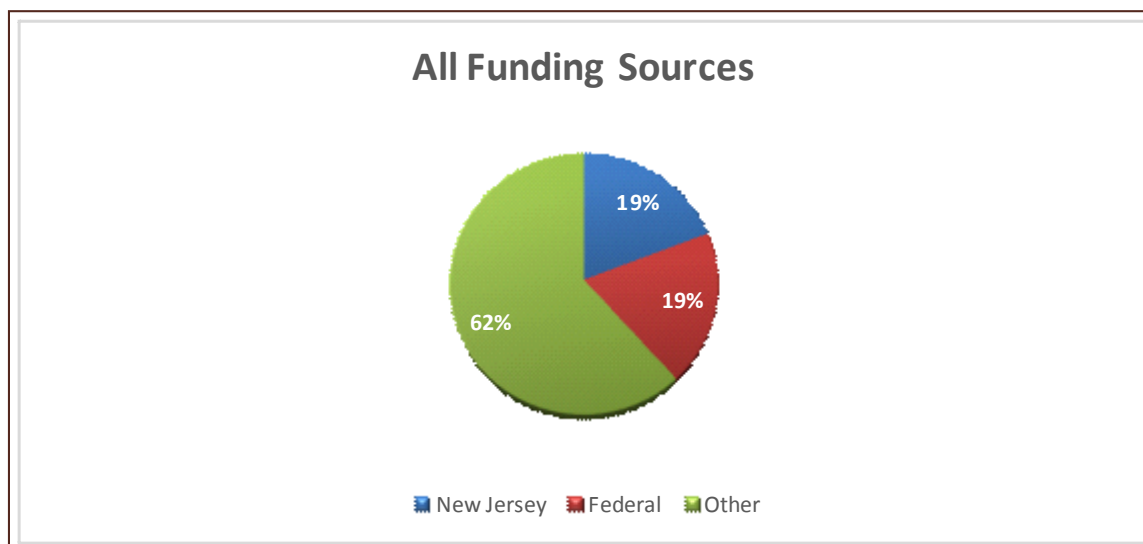
Research Expenditures

	2013 Expenditures	2012 Expenditures	Comparison
Federal Awards	\$ 4,390,315.02	\$ 4,401,427.90	\$ (11,112.88)
State Awards	\$ 1,634,090.85	\$ 2,254,003.77	\$ (619,912.92)
Other Awards	\$ 813,184.01	\$ 752,914.24	\$ 60,269.77
Total Expenditures	\$ 6,837,589.88	\$ 7,408,345.91	\$ (507,756.03)



Total Grant Activity

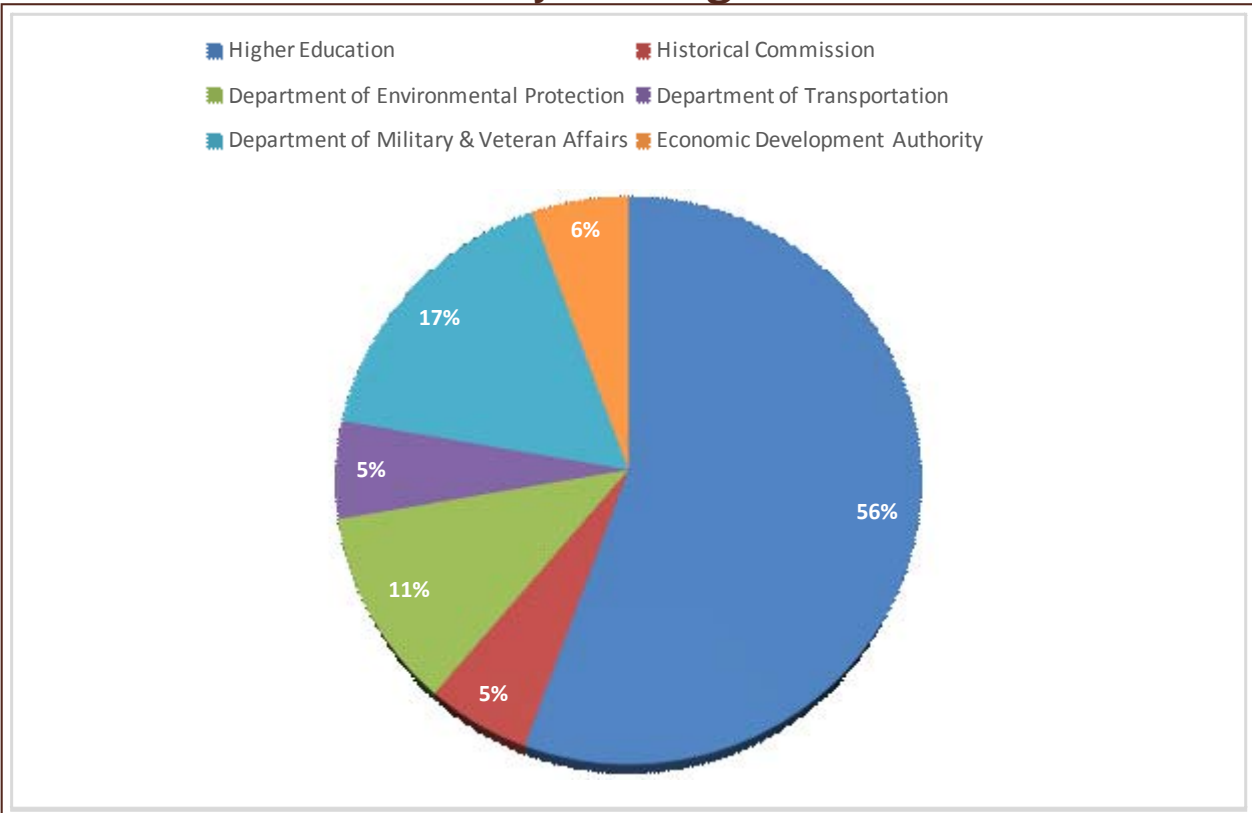
Unit	PROPOSALS		AWARDS		
	#	Amount	#	Indirect	Award Totals
Administration	9	\$1,312,620	9	\$ -	\$6,067,724
Camden Campus	14	\$2,721,216	10	\$60,155	\$1,811,569
Rohrer College of Business	3	\$32,000	-	\$ -	\$ -
College of Education	14	\$1,149,004	6	\$ 39,622	\$ 594,796
College of Engineering	11	\$362,712	10	\$12,331	\$130,168
Engineering: South Jersey Technology Park	29	\$5,320,356	15	\$144,435	\$1,283,119
College of Science and Mathematics	49	\$7,778,473	29	\$218,792	\$1,709,996
College of Communication and Creative Arts	5	\$183,538	1	\$ -	\$ 2,790
College of Humanities and Social Sciences	18	\$1,274,970	9	\$52,606	\$299,174
Cooper Medical School of Rowan University	10	\$3,207,634	3	\$11,847	\$630,927
College of Performing Arts	3	\$46,450	2	\$ -	\$77,000
TOTAL	165	\$23,388,973	94	\$539,788	\$12,607,263



Awarded Sources	Number	Amount
New Jersey	18	\$ 7,559,582
Federal	18	\$ 1,378,688
Other	58	\$ 3,668,993
Total	94	\$ 12,607,263

New Jersey Sponsored Grant Activity

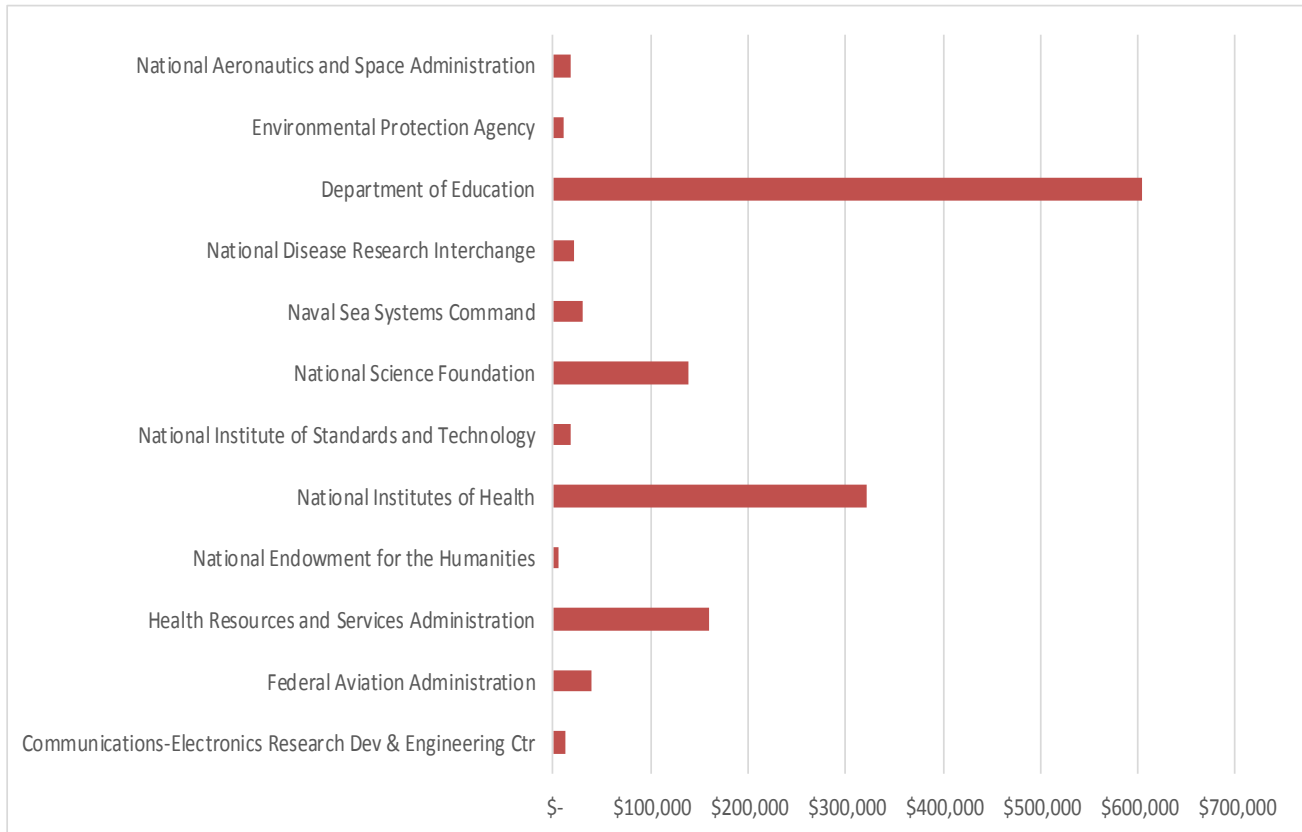
New Jersey Funding Sources



New Jersey Sponsors	Number	Amount
Higher Education	10	\$ 2,172,234
Historical Commission	1	\$ 4,494
Department of Environmental Protection	2	\$ 40,000
Department of Transportation	1	\$ 109,705
Department of Military and Veteran Affairs	3	\$ 133,149
Economic Development Authority	1	\$ 5,100,000
Total	18	\$ 7,559,582

Federally Sponsored Grant Activity

Federal Funding Sources



Federal Sponsors	Number	Amount
Communications-Electronics Research Development and Engineering Center	1	\$ 11,915
Federal Aviation Administration	1	\$ 40,000
Health Resources and Services Administration	1	\$ 159,927
National Endowment for the Humanities	1	\$ 4,500
National Institutes of Health	2	\$ 322,546
National Institute of Standards and Technology	1	\$ 16,922
National Science Foundation	3	\$ 138,921
Naval Sea Systems Command	2	\$ 30,733
National Disease Research Interchange	1	\$ 21,499
Department of Education	2	\$ 604,625
Environmental Protection Agency	1	\$ 10,000
National Aeronautics and Space Administration	2	\$ 17,100
Total	18	\$ 1,378,688

Other Activity

Other	Number	Amount
Aetna Foundation	1	\$ 25,000
Alencon Systems, Inc.	1	\$ 50,820
Allergy & Asthma of SJ Education and Research Foundation	2	\$ 14,000
Analectro Tech Representatives, LLC	1	\$ 18,612
APG International	1	\$ 6,000
Atlantic County Division of Engineering	1	\$ 12,000
AT&T	1	\$ 50,000
Avante Pharmaceuticals	1	\$ 12,100
Bank of America N.A.	1	\$ 250
Bristol-Myers Squibb	2	\$ 40,935
CACI, Inc.	1	\$ 10,000
Christian and Mary Lindback Foundation	1	\$ 4,000
Dartmouth College	1	\$ 8,471
ELEKTA	1	\$ 298,110
Geraldine R. Dodge Foundation Inc.	1	\$ 30,000
Google Inc.	1	\$ 34,000
Helios	1	\$ 2,500
The Hecht Family Charitable Foundation	1	\$ 6,000
The Henry M. Rowan Family Foundation	1	\$ 75,000
Horizon Foundation for NJ	1	\$ 10,000
IEEE Aerospace and Electronic Society	1	\$ 5,000
Johnson Matthey	1	\$ 22,891
L-3 Communications East	1	\$ 40,000
L-3 Communications Systems	1	\$ 48,800
Lockheed Martin Corporation	2	\$ 10,000
Martinson Family Foundation, Inc.	1	\$ 300,000
Medtronic	1	\$ 446,000
Mission Solutions Engineering	3	\$ 75,000
Moore Engineering Solutions	1	\$ 13,784
National Association of School Psychologists	1	\$ 22,000
NATCO Pharmaceuticals, Inc.	4	\$ 537,610
National Collegiate Athletic Association	2	\$ 50,784
National Geographic Society	2	\$ 117,031
New Jersey Music Teachers Association	1	\$ 2,000
Pennsylvania State University	1	\$ 279,861
PSEG	1	\$ 29,272
PSEG Nuclear, LLC	1	\$ 6,840
Research Foundation of CUNY	2	\$ 101,452
Schwartz Foundation	1	\$ 25,000
South Jersey Industries	1	\$ 250
TD Charitable Foundation	1	\$ 15,000
Treatment Research Institute	1	\$ 16,140
Voorhees Breakfast Rotary Club Foundation Inc.	1	\$ 100
Walmart Foundation	1	\$ 25,000
William Patterson University	1	\$ 468,950
The Woodrow Wilson National Fellowship Foundation	1	\$ 300,000
Write Brothers, Inc.	1	\$ 2,790
TOTAL	58	\$ 3,668,993

Quarterly Comparison Data

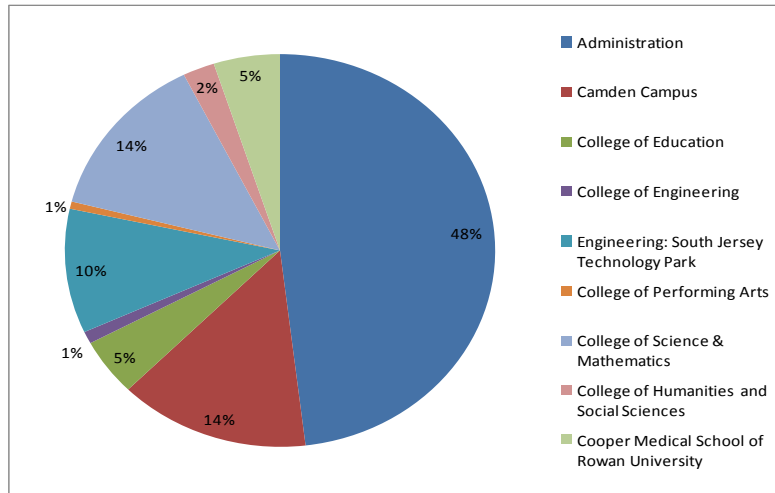
Comparison of FY13 with FY12	PROPOSALS		AWARDS	
	#	Amount	#	Amount
FY13 First Quarter	20	\$3,197,883	21	\$1,450,249
FY12 First Quarter	30	\$6,918,138	25	\$3,443,170
FY13 Second Quarter	29	\$5,835,217	18	\$7,199,476
FY12 Second Quarter	32	\$3,242,722	11	\$730,669
FY13 Third Quarter	37	\$6,542,828	9	\$328,870
FY12 Third Quarter	39	\$9,154,333	20	\$1,596,346
FY13 Fourth Quarter	31	\$5,765,361	20	\$2,165,659
FY12 Fourth Quarter	34	\$9,659,894	25	\$3,348,269
Total: Fiscal Year 2013	135	\$21,341,289	68	\$11,144,254
Total: Fiscal Year 2012	135	\$28,975,087	81	\$9,118,454

Proposals: -17 \$ (7,633,798)

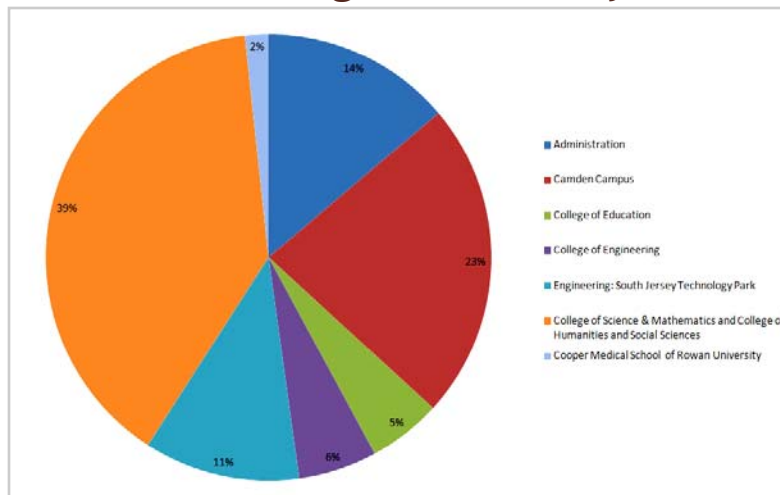
Awards: -13 \$ 2,025,800

Unit Comparison Data

FY 13 Percentage of Awards by Unit



FY 12 Percentage of Awards by Unit



Units	Percentage of Total Awards		Percentage of Total Proposals	
	FY13	FY12	FY13	FY12
Administration	48.1%	13.8%	5.6%	22.4%
Camden Campus	14.4%	23.0%	11.6%	15.2%
Rohrer College of Business	0.0%	0.0%	0.1%	0.2%
College of Communication & Creative Arts	0.0%	0.0%	0.8%	0.1%
College of Education	4.7%	5.3%	4.9%	7.6%
College of Engineering	1.0%	5.7%	1.6%	17.9%
Engineering: South Jersey Technology Park	10.2%	11.3%	22.7%	9.1%
College of Performing Arts	0.6%	0.0%	0.2%	0.1%
College of Science & Mathematics	13.6%	39.2%	33.3%	21.3%
College of Humanities and Social Sciences	2.4%	39.2%	5.5%	21.3%
College of Graduate and Continuing Education	0.0%	0.0%	0.0%	0.1%
Cooper Medical School of Rowan University	5.0%	1.7%	13.7%	6.0%
Total	100.0%	100.0%	100.0%	100.0%

Unit Comparison Data

UNITS	AWARDS		PROPOSALS	
	FY13	FY12	FY13	FY12
Administration	9 \$6,067,724	5 \$1,246,368	9 \$1,312,620	7 \$6,363,577
Camden Campus	10 \$1,811,569	11 \$2,079,860	14 \$2,721,216	10 \$4,310,812
Rohrer College of Business	0 \$0	1 \$3,000	3 \$32,000	2 \$53,000
College of Communication & Creative Arts	1 \$2,790	0 \$0	5 \$183,538	2 \$50,300
College of Education	6 \$594,796	3 \$484,863	14 \$1,149,004	6 \$2,150,710
College of Engineering	10 \$130,168	14 \$523,045	11 \$362,712	35 \$5,075,665
Engineering: South Jersey Technology Park	15 \$1,283,119	19 \$1,033,443	29 \$5,320,356	26 \$2,594,100
College of Science & Mathematics	29 \$1,709,996	Reported in LAS	49 \$7,778,473	Reported in LAS
College of Humanities and Social Sciences	9 \$299,174	Reported in LAS	18 \$1,274,970	Reported in LAS
College of Liberal Arts and Sciences	N/A	26 \$3,572,608	N/A	43 \$6,652,667
College of Graduate and Continuing Education	0 \$0	1 \$20,000	0 \$0	1 \$20,000
Cooper Medical School of Rowan University	3 \$630,927	1 \$155,267	10 \$3,207,634	3 \$1,704,256
College of Performing Arts	2 \$77,000	N/A	3 \$46,450	N/A
Total Number	94	81	165	135
Total Amount	\$12,607,263	\$9,118,454	\$23,388,973	\$28,975,087

Administration Awards & Proposals

Administration					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Healthy Campus Initiatives	2	\$ 275,030	-	\$ -	\$ -
Educational Opportunity Fund	2	\$ 612,590	2	\$ -	\$ 612,590
Provost's Office	1	\$ 300,000	2	\$ -	\$ 304,000
Library Services	1	\$ 100,000	2	\$ -	\$ 350
Athletics	-	\$ -	2	\$ -	\$ 50,784
Career Management Center	2	\$ 15,000	-	\$ -	\$ -
Advancement	1	\$ 10,000	-	\$ -	\$ -
Facilities	-	\$ -	1	\$ -	\$ 5,100,000
Total	9	\$ 1,312,620	9	\$ -	\$ 6,067,724

Awards

Provost's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
STEM Education	Jim Newell	The Woodrow Wilson National Fellowship Foundation	\$ 300,000	\$ -
Lindback Distinguished Teaching Award	Deb Martin	Christian and Mary Lindback Foundation	\$ 4,000	\$ -

Library Services

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
RCA Heritage Program Fund	Bruce Whitham	Bank of America N.A.	\$ 250	\$ -
RCA Heritage Program Fund	Bruce Whitham	Voorhees Breakfast Rotary Club Foundation Inc.	\$ 100	\$ -

Facilities

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Camden Bank Building	Joseph Monahan	NJEDA	\$ 5,100,000	\$ -

Educational Opportunity Fund

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
FY14 EOF Academic Year	Penny McPherson-Barnes	NJHE	\$ 261,700	\$ -
FY14 EOF Summer	Penny McPherson-Barnes	NJHE	\$ 350,890	\$ -

Athletics

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan project to increase opportunities for gender and minorities in intercollegiate athletics	Joy Solomen	NCAA	\$ 17,457	\$ -
Rowan project to increase opportunities for gender and minorities in intercollegiate athletics	Joy Solomen	NCAA	\$ 33,327	\$ -

Administration Proposals

Healthy Campus Initiatives

Title	Project Investigator	Sponsor	Requested Amount
Campus Suicide Prevention Grant	Allison Pearce	U.S. SAMHA	\$ 270,030
Healthy Campus Initiatives	Allison Pearce	Avon Foundation for Women	\$ 5,000

Educational Opportunity Fund

Title	Project Investigator	Sponsor	Requested Amount
FY14 EOF Academic Year	Penny McPherson-Barnes	NJHE	\$ 261,700
FY14 EOF Summer	Penny McPherson-Barnes	NJHE	\$ 350,890

Career Management Center

Title	Project Investigator	Sponsor	Requested Amount
CMC Industry Partner	Lizziel Sullivan Williams	Marriott International, Inc.	\$ 7,500
CMC Industry Partner & Kick-Off Sponsor	Lizziel Sullivan Williams	Sun Bancorp, Inc.	\$ 7,500

Provost's Office

Title	Project Investigator	Sponsor	Requested Amount
STEM Education	Jim Newell	The Woodrow Wilson National Fellowship Foundation	\$ 300,000

Library Services

Title	Project Investigator	Sponsor	Requested Amount
RCA Heritage Museum/Construction of Display Cases	Bruce Whitham	The Gladys Brooks Foundation	\$ 100,000

Advancement

Title	Project Investigator	Sponsor	Requested Amount
The Robert Sydney Needham Memorial Scholarship	RJ Tallarida	Robert Sydney Needham Foundation	\$ 10,000

Camden Campus Awards & Proposals

Camden Campus					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Gear-Up	6	\$ 2,019,014	4	\$ 42,605	\$ 1,069,569
English Language Programs	1	\$ 21,000	1	\$ -	\$ 15,000
Upward Bound	-	\$ -	1	\$ 17,550	\$ 236,925
Educational Opportunity Fund	7	\$ 681,202	4	\$ -	\$ 490,075
Total	14	\$ 2,721,216	10	\$ 60,155	\$ 1,811,569

Awards

Gear-Up

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
C.H.A.M.P. FY13	Tyrone McCombs	NJHE	\$ 386,771	\$ -
Gear-Up FY13	Tyrone McCombs	NJHE	\$ 558,429	\$ 41,365
Gear-Up FY12 Supplement	Tyrone McCombs	NJHE	\$ 107,638	\$ -
Gear-Up FY12 Activity	Tyrone McCombs	NJHE	\$ 16,731	\$ 1,240

English Language Programs

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Accelerating College Enrollment Program Project	Jackie McCafferty	TD Charitable Foundation	\$ 15,000	\$ -

Upward Bound

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Upward Bound for ELL	Margarita Olivencia	USDOE	\$ 236,925	\$ 17,550

Educational Opportunity Fund

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Aim High Academy	Donavan McCargo	NJHE	\$ 152,969	\$ -
Aim High Academy Add'l	Donavan McCargo	NJHE	\$ 41,500	\$ -
EOF FY14 Academic Year	Donavan McCargo	NJHE	\$ 177,803	\$ -
EOF FY14 Summer	Donavan McCargo	NJHE	\$ 117,803	\$ -

Proposals

Gear Up

Title	Project Investigator	Sponsor	Requested Amount
Gear-Up FY12 Supplement	Tyrone McCombs	NJHE	\$ 107,638
Gear-Up FY13	Tyrone McCombs	NJHE	\$ 945,200
Gear-Up FY12 Activity	Tyrone McCombs	NJHE	\$ 16,731
C.H.A.M.P. FY14	Tyrone McCombs	NJHE	\$ 386,771
Gear-Up FY14	Tyrone McCombs	NJHE	\$ 558,429
Gear-Up FY13 Activity	Tyrone McCombs	NJHE	\$ 4,245

Educational Opportunity Fund

Title	Project Investigator	Sponsor	Requested Amount
AIM High Science and Technology Academy	Donavan McCargo	USDE	\$ 165,497
Evaluating Experiential Teaching Methods for English Language Learners Using an Action Research Approach	Margarita Olivencia	NEA Foundation	\$ 5,000
EOF FY14 Academic Year	Donavan McCargo	NJHE	\$ 177,803
EOF FY14 Summer	Donavan McCargo	NJHE	\$ 117,803
AIM High Science and Technology Academy Supplement	Donavan McCargo	USDOE	\$ 41,500
C.H.A.M.P. Program	Winona Wigfall	Robert Wood Johnson Foundation	\$ 148,599
C.H.A.M.P. Program	Winona Wigfall	RGK Foundation	\$ 25,000

English Language Programs

Title	Project Investigator	Sponsor	Requested Amount
Community English as a Second Language Program	Jackie McCafferty	TD Bank, N.A.	\$ 21,000

Rohrer College of Business Awards & Proposals

Rohrer College of Business					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	2	\$ 2,000	-	\$ -	\$ -
Accounting and Finance	1	\$ 30,000	-	\$ -	\$ -
Total	3	\$ 32,000	-	\$ -	\$ -

Proposals

Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
Rohrer College of Business 40th Anniversary Event	Robert Beatty	TD Bank, N.A.	\$ 1,000
Rohrer College of Business 40th Anniversary Event	Robert Beatty	PSEG	\$ 1,000

Accounting & Finance

Title	Project Investigator	Sponsor	Requested Amount
Trust Tokens-Leveraging Social Collateral to Support Online Exchange	Daniel Folkinshteyn	University of Central Florida	\$ 30,000

College of Communication & Creative Arts

Awards & Proposals

Administration					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Art Gallery	4	\$ 181,538	-	\$ -	\$ -
Art	1	\$ 2,000	-	\$ -	\$ -
Radio/TV/Film	-	\$ -	1	\$ -	\$ 2,790
Total	5	\$ 183,538	1	\$ -	\$ 2,790

Awards

Radio/TV/Film

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
GIK - Radio/TV/Film Fund	Jonathon Mason	Write Brothers, Inc.	\$ 2,790	\$ -

Proposals

Art Gallery

Title	Project Investigator	Sponsor	Requested Amount
Tesla's Fire	Mary Salvante	NEA	\$ 36,538
General Program Support for RU Art Gallery	Mary Salvante	New Jersey State Council on the Arts	\$ 50,000
Innocent Monsters Exhibition at the Art Gallery	Mary Salvante	Geraldine R. Dodge Foundation, Inc.	\$ 15,000
Rowan University Art Gallery	Mary Salvante	Andy Warhol Foundation for the Visual Arts	\$ 80,000

Art

Title	Project Investigator	Sponsor	Requested Amount
SMART	Jane Graziano	Target Stores	\$ 2,000

College of Education Awards & Proposals

College of Education					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	1	\$ -	1	\$ 23,626	\$ 468,950
Health & Exercise Science	9	\$ 256,800	3	\$ 7,260	\$ 60,000
Teacher Leadership	-	\$ -	1	\$ 8,736	\$ 43,846
Educational Services, Administration, and Higher Education	2	\$ 82,000	1	\$ -	\$ 22,000
Educational Leadership	-	\$ 468,950	-	\$ -	\$ -
Language, Literacy, & Special Education	2	\$ 341,254	-	\$ -	\$ -
Total	Total	14	\$1,149,004	6	\$ 39,622
				\$	594,796

Awards

Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Teacher Quality Partnership Grant	Donna Jorgensen	William Patterson University	\$ 468,950	\$ 23,626

Health & Exercise Science

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Get Fit	Leslie Spencer	Aetna Foundation Inc.	\$ 25,000	\$ 3,260
Get Fit	Leslie Spencer	Walmart Foundation	\$ 25,000	\$ 2,500
Get Fit	Leslie Spencer	Horizon Foundation for NJ	\$ 10,000	\$ 1,500

Teacher Leadership

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
G-SPELL: Gender and Science Proficiency for English Language Learners	Beth Wassell	NSF	\$ 43,846	\$ 8,736

Educational Services, Administration, and Higher Education

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Graduate Assistant to Support Operation of National Certified School Psychologists Board	Barbara Bole Williams	National Association of School Psychologists	\$ 22,000	\$ -

College of Education Proposals

Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
Teacher Quality Partnership Grant	Carol Sharp	William Patterson University	\$ 468,950

Educational Services, Administration, and Higher Education

Title	Project Investigator	Sponsor	Requested Amount
Grad Assistant to Support Operation of National Certified School Psychologists Board	Barbara Bole Williams	NASP	\$ 22,000
Post Sandy Long-Term Support for Displaced NJ Students	Terri Allen	Hurricane Sandy NJ Relief Fund	\$ 60,000

Language, Literacy, & Special Education

Title	Project Investigator	Sponsor	Requested Amount
Promoting Global Awareness in Teacher Preparation	Joy Xin	Rutgers, The State University of New Jersey	\$ 3,000
Formative Assessment and Instructional Interventions for Learning in Mathematics	Sydney Kuder	USDE	\$ 338,254

Health & Exercise Science

Title	Project Investigator	Sponsor	Requested Amount
Get FIT	Leslie Spencer	Dircks Foundation	\$ 10,000
Get FIT	Leslie Spencer	Fanny & Svante Knistrom Foundation	\$ 25,000
Get FIT	Leslie Spencer	Autism Speaks	\$ 25,000
Get FIT	Leslie Spencer	Horizon Foundation for New Jersey	\$ 25,000
Get FIT	Leslie Spencer	Walmart Foundation	\$ 96,800
Get FIT	Leslie Spencer	Aetna Foundation Inc.	\$ 35,000
Get FIT	Leslie Spencer	Walgreen Co.	\$ 15,000
Get FIT	Leslie Spencer	The Rite Aid Foundation	\$ 15,000
Get FIT	Leslie Spencer	Kistler Tiffany Foundation	\$ 10,000

College of Engineering Awards & Proposals

College of Engineering					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	2	\$ 32,000	1	\$ 2,341	\$ 29,272
Chemical Engineering	2	\$ 62,500	1	\$ 434	\$ 2,500
Civil & Environmental Engineering	5	\$ 227,404	3	\$ 5,392	\$ 62,396
Mechanical Engineering	2	\$ 40,808	5	\$ 4,164	\$ 36,000
Total	11	\$ 362,712	10	\$ 12,331	\$ 130,168

Awards

Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan's Introduction for Students to Engineering	Anthony Lowman	PSEG	\$ 29,272	\$ 2,341

Chemical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Three Dimensional Solar Cells	Kevin Dahm	Helios	\$ 2,500	\$ 434

Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Study of Slip Resistance of Wet Floors to Barefoot Traffic	Douglas Cleary	Moore Engineering Services	\$ 13,784	\$ 2,392
Civil and Environmental Engineering Excellence Fund	Aaron Nolan	Analectro Tech Representatives, LLC	\$ 18,612	-
Internship Program and Staff Workshop	Jess Everett	NJDEP	\$ 30,000	\$ 3,000

Mechanical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Improvement of the Unit Hoist	Hong Zhang	APG International	\$ 6,000	\$ 1,041
Conceptual Design for the Mechanical/Electrical Rehabilitation of the Dorset Avenue Bridge (V-1) in Ventnor City, Atlantic County	Tirupathi Chandraupatla	Atlantic County Division of Engineering	\$ 12,000	\$ 2,082
Enhanced combustion with nano-sized catalytically active particles	Smitesh Bakrania	NSF	\$ 2,000	-
Design, Development, and Creation of Experimental Shock Machine	Tirupathi Chandraupatla	NAVSEA	\$ 6,000	\$ 1,041
Marine Electricity from High Altitude Wind with a Kite	Hong Zhang	USEPA	\$ 10,000	-

College of Engineering Proposals

Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
COE AWE Program	Tony Lowman	PSEG	\$ 19,000
RISE Program	Tony Lowman	PSEG	\$ 13,000

Chemical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Optimization of Three Dimensional Solar Cells	Kevin Dahm	Helios	\$ 2,500
Engineering Research Center Education and Outreach Efforts	Mariano Salveski	Rutgers, The State University of New Jersey	\$ 60,000

Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Requested Amount
Modeling hydrologic and stream temperature response to land-use and climate change in developed and developing watersheds: a comparative analysis	Joseph Daraio	NJ Water Resources Water Institute	\$ 20,000
Study of Slip Resistance of Wet Floors to Barefoot Traffic	Douglas Cleary	Moore Engineering Services	\$ 13,784
Collaborative Research: Training Next Generation Faculty & Students to address the Infrastructure Crisis	Ralph Dusseau	NSF	\$ 29,869
Multi-model ensembles with a framework to assess the potential impacts of climate change and extreme hydrologic events on stream flow, stream temperature, and storm water infrastructure	Joseph Daraio	US Geological Survey Information Services	\$ 125,290
Bridge Deck Cracking: Effects on In-Service Performance, Prevention, and Remediation	Douglas Cleary	Villanova University	\$ 38,461

Mechanical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Design, Development, and Creation of Experimental Shock Machine	Tirupathi Chandrupatla	NAVSEA	\$ 6,000
Marine Electricity from High Altitude Wind with a Kite	Hong Zhang	USEPA	\$ 34,808

Engineering: South Jersey Technology Park Awards & Proposals

College of Engineering					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Chemical Engineering	1	\$ 22,891	1	\$ 3,973	\$ 22,891
Civil & Environmental Engineering	15	\$ 2,010,958	6	\$ 41,550	\$ 521,157
Electrical & Computer Engineering	10	\$ 2,862,936	6	\$ 57,307	\$ 452,730
Mechanical Engineering	3	\$ 423,571	2	\$ 41,605	\$ 286,341
Total	29	\$ 5,320,356	15	\$ 144,435	\$ 1,283,119

Awards

Chemical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Green Alternatives to Processing Nickel containing Liquor	Robert Hesketh	Johnson Matthey	\$ 22,891	\$ 3,973

Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Restricted-Use License Program	Beena Sukumaran	NJDOT	\$ 109,705	\$ 17,903
VHUB Project	Kauser Jahan	Martinson Family Foundation Inc.	\$ 300,000	\$ -
Engineers on Wheels	Kauser Jahan	Lockheed Martin Corporation	\$ 7,000	\$ -
Engineers Without Borders	Yusuf Mehta	Lockheed Martin Corporation	\$ 3,000	\$ -
AlTE Scholarship	Beena Sukumaran	RFCUNY	\$ 21,502	\$ -
Determine Viscoelastic Mechanical Properties of Warm Mix Asphalt (WMA)-Reclaimed Asphalt Pavement (RAP) Mixes under High Stresses in Airfield Flexible Pavements and Its Impact on Design Life	Beena Sukumaran	RFCUNY	\$ 79,950	\$ 23,647

Electrical & Computer Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Novel Inverters and Components for Utility-Scale Photovoltaic Power Systems	John Schmalzel	Alencon Systems, Inc.	\$ 50,820	\$ 8,820
Mirage HD6 Projector, RP Screen, and HP XW8600 Computer	George Lecakes	L-3 Communication Systems	\$ 48,800	\$ -
Electrical & Computer Engineering Excellence Fund	Robi Polikar	IEEE Aerospace and Electronic Society	\$ 5,000	\$ -
RFDF Sensor Development - Accuracy Considerations	Robert Krchnavek	CACI Inc.	\$ 10,000	\$ 741
Secure Computing on Handheld/Embedded Processors	John Schmalzel	L-3 Communications East	\$ 40,000	\$ 6,942
Joint Virtual Reality Lab	George Lecakes	ELEKTA	\$ 298,110	\$ 40,804

Mechanical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Multifunctional origami structures- Advancing the frontier of active compliant mechanisms	Paris von Lockette	Pennsylvania State University	\$ 279,861	\$ 41,125
Detritus Monitoring and Chiller Simulation	Thomas Merrill	PSEG Nuclear, LLC	\$ 6,480	\$ 480

Engineering: SJTP Proposals

Chemical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Green Alternatives to Processing Nickel containing Liquor	Robert Hesketh	Johnson Matthey	\$ 22,891

Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Requested Amount
Increasing Female and Minority Representation in the Workforce	Kauser Jahan	NJDOT	\$ 160,763
2013-02 Alternatives to Nuclear Density Testing	Beena Sukumaran	NJDOT	\$ 393,821
Laser Scanning of Aggregates for Real Time Property Identification (1)	Beena Sukumaran	NJDOT	\$ 321,451
Laser Scanning of Aggregates for Real Time Property Identification (2)	Beena Sukumaran	NJDOT	\$ 187,227
Development of a Framework for an Integrated Pavement Rehabilitation System for the State of Rhode Island	Beena Sukumaran	Rhode Island DOT	\$ 69,199
Determine Viscoelastic Mechanical Properties of Warm Mix Asphalt (WMA)-Reclaimed Asphalt Pavement (RAP) Mixes under High Stresses and Dynamic Loading in Airfield Flexible Pavements and Its Impact on Design Life	Beena Sukumaran	RFCUNY	\$ 198,676
Investigation of Applications of Advance Sensor and Communication Technology in Transportation Safety and Operation and Development of Evaluation Framework using Traffic Simulation Model	Beena Sukumaran	RFCUNY	\$ 99,579
NSF PAID: South Jersey Women in Science	Kauser Jahan	NSF	\$ 80,000
A Pilot Field Project with and without High Reclaimed Asphalt Pavement (RAP) in Hot Mix Asphalt (HMA)	Beena Sukumaran	NJDOT	\$ 298,246
AITE Graduate Scholarship	Beena Sukumaran	NJDOE	\$ 21,502
Low Cost Portable Percussion Well Drill and Bailer	Beena Sukumaran	USEPA	\$ 14,613
Phase 1: A Study to Evaluate the Properties of Aggrebind as a Base Material for Roads in State of New Jersey	Yusuf Mehta	Canuso Communities	\$ 46,307
Restricted-use License Program for Suspended NJ Drivers	Beena Sukumaran	NJDOT	\$ 109,574
Engineers on Wheels	Kauser Jahan	Lockheed Martin Corporation	\$ 7,000
Engineers Without Borders	Yusuf Mehta	Lockheed Martin Corporation	\$ 3,000

Engineering: SJTP Proposals Continued

Electrical & Computer Engineering

Title	Project Investigator	Sponsor	Requested Amount
Alternative Energy Infrastructure Projects Using Novel Composite Material Systems	Robert Krchnavek	Egg Harbor City	\$ 120,000
BIGDATA: Small: DA: Collaborative Research: An Online Learning Framework for Analysis of High-volume (Genomic) Data	Robi Polikar	NSF	\$ 339,582
Adaptive Serious Game System Enabling Personalized Problem-Based Learning with Cognitive and Metacognitive Strategies	Gina Tang	NSF	\$ 499,908
Novel Putter Dynamics	John Schmalzel	Neo-Matrix, LLC	\$ 12,000
Secure Computing on Handheld/Embedded Processors	John Schmalzel	L-3 Communications East	\$ 40,000
AIS: Learning From Initially Labeled Nonstationary Streaming Data	Robi Polikar	NSF	\$ 297,542
Strategies: community Sustainability Challenges-Interactive and Collaborative Virtual Reality	Ying Tang	NSF	\$ 1,199,974
Advanced Sensory Multi-Rotor Unmanned Aerial Vehicle	Robert Krchnavek	NCIIA	\$ 5,000
Novel Inverters and Components for Utility-Scale Photovoltaic Power Systems	John Schmalzel	Alencon Systems, Inc.	\$ 50,820
Joint Virtual Reality Lab	George Lecakes	ELEKTA	\$ 298,110

Mechanical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Detritus Monitoring and Chiller Simulation	Thomas Merrill	PSEG Nuclear, LLC	\$ 6,480
DMREF: Collaborative Research: Multiscale Modeling, Optimization, and Fabrication of Next Generation Magneto-Active Materials	Paris Von Lockette	NSF	\$ 405,111
Development of a Remotely Operated Mobile Mount for the Focus3D Large Room Scanner	Thomas Merrill	NAVSEA	\$ 11,980

College of Humanities & Social Sciences

Awards & Proposals

College of Humanities and Social Sciences					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Geography & Environment	4	\$ 378,123	7	\$ 52,606	\$ 290,180
Dean's Office	2	\$ 15,000	-	\$ -	\$ -
Institute for Liberal Studies	1	\$ 326,000	-	\$ -	\$ -
Law and Justice Studies	1	\$ 256,847	-	\$ -	\$ -
English	4	\$ 154,500	1	\$ -	\$ 4,500
Political Science & Economy	1	\$ 60,000	-	\$ -	\$ -
Sociology	4	\$ 79,500	-	\$ -	\$ -
History	1	\$ 5,000	1	\$ -	\$ 4,494
Total	18	\$ 1,274,970	9	\$ 52,606	\$ 299,174

Awards

Geography & Environment

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
New Jersey Geographic Alliance	Katrinka Somdahl-Sands	National Geographic Society	\$ 34,000	\$ -
Chesapeake Bay Watershed Initiative	Katrinka Somdahl-Sands	National Geographic Society	\$ 83,031	\$ 13,500
Wildlife Habitat Change Analysis	John Hasse	NJDEP	\$ 10,000	\$ -
National Guard Environmental Intern Program	John Hasse	NJDMAVA	\$ 3,054	\$ 810
National Guard Environmental Intern Program	John Hasse	NJDMAVA	\$ 123,123	\$ 36,417
GIS Internship Program	John Hasse	NJDMAVA	\$ 6,972	\$ 1,879
New Jersey Municipal Asset Profilers (NJMAP) Phase II	John Hasse	Geraldine R. Dodge Foundation Inc.	\$ 30,000	\$ -

English

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Let's Talk About it: Muslim Journey	Glenn Odom	NEH	\$ 4,500	\$ -

History

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Internships in History	Joy Wiltenberg	NJHC	\$ 4,494	\$ -

College of Humanities & Social Sciences Proposals

Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
Auction Tickets at the Marvin Creamer Event	Cindy Vitto	American Airlines	\$ 10,000
Martin Creamer Event	Cindy Vitto	Garmin International Inc.	\$ 5,000

Geography & Environment

Title	Project Investigator	Sponsor	Requested Amount
National Guard Environmental Internship	John Hasse	NJDMAVA	\$ 123,123
GeoLab - NJ Map, Phase II	John Hasse	Geraldine R. Dodge Foundation, Inc.	\$ 40,000
GeoLab HAWK	John Hasse	Geraldine R. Dodge Foundation, Inc.	\$ 65,000
GeoLab	John Hasse	Surdna Foundation	\$ 150,000

Law and Justice Studies

Title	Project Investigator	Sponsor	Requested Amount
Enhancement of Community Policing and Quality of Life/Criminal Justice Student Internship Program	Stanley Yeldell	USDOJ	\$ 256,847

English

Title	Project Investigator	Sponsor	Requested Amount
Intercultural theatre, Synergistic Modernities (1)	Glenn Odom	ACLS	\$ 50,000
Intercultural theatre, Synergistic Modernities (2)	Glenn Odom	ACLS	\$ 50,000
Let's Talk About it: Muslim Journey	Glenn Odom	NEH	\$ 4,500
Intercultural theatre, Synergistic Modernities	Glenn Odom	Stanford University	\$ 50,000

History

Title	Project Investigator	Sponsor	Requested Amount
Internships in History	Joy Wiltenberg	NJHC	\$ 5,000

Sociology

Title	Project Investigator	Sponsor	Requested Amount
Learning Modules - NAJDB	Harriett Hartman	The Abrahms Family Foundation	\$ 20,000
Learning Modules - NAJDB	Harriett Hartman	The Albert A. Arditti Foundation	\$ 20,000
Learning Modules - NAJDB	Harriett Hartman	Sudler Management Corporation	\$ 20,000
Learning Modules - NAJDB	Harriett Hartman	The Covenant Foundation	\$ 19,500

Political Science & Economics

Title	Project Investigator	Sponsor	Requested Amount
Strategy and Policy Fellows Program	Lawrence Markowitz	Smith Richardson Foundation	\$ 60,000

Liberal Arts & Science Institute

Title	Project Investigator	Sponsor	Requested Amount
Therapeutic Visitation	DeMond Miller	NJ Department of Children and Families	\$ 326,000

College of Performing Arts Awards & Proposals

College of Performing Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Theatre & Dance	1	\$ 7,450	-	\$ -	\$ -
Music	2	\$ 39,000	2	\$ -	\$ 77,000
Total	3	\$ 46,450	2	\$ -	\$ 77,000

Awards

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
International Piano Fund	Veda Zuponic	New Jersey Music Teachers Association	\$ 2,000	\$ -
Marie F. Rader Memorial Fund	John Pastin	The Henry M. Rowan Family Foundation	\$ 75,000	\$ -

Proposals

Music

Title	Project Investigator	Sponsor	Requested Amount
Music Together Program in Camden	Lili Levinowitz	Sovereign Bank	\$ 35,000
Music Department Program	Richard Dammers	The Presser Foundation	\$ 4,000

Theatre & Dance

Title	Project Investigator	Sponsor	Requested Amount
Kareen Roustom Residency/Marie Rader	Rebekah Maggor	NJ State Council on the Arts	\$ 7,450

College of Science & Mathematics

Awards & Proposals

College of Science & Mathematics					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	-	\$ -	1	\$ 2,381	\$ 50,000
Biological Sciences	1	\$ 78,794	2	\$ -	\$ 6,250
Chemistry & Biochemistry	12	\$ 1,842,792	8	\$ 57,255	\$ 564,645
Computer Science	8	\$ 347,652	5	\$ 24,686	\$ 149,000
Mathematics	6	\$ 2,243,488	2	\$ 34,179	\$ 407,700
Physics & Astronomy	12	\$ 1,606,453	6	\$ 43,613	\$ 163,745
Psychology	10	\$ 1,659,294	5	\$ 56,678	\$ 368,656
Total	49	\$ 7,778,473	29	\$ 218,792	\$ 1,709,996

Awards

Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Project AIM	Eric Milou	AT&T	\$ 50,000	\$ 2,381

Biological Sciences

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Cell Culture Tech Fund	Parviz Ansari	The Hecht Family Charitable Foundation	\$ 6,000	\$ -
STEM Student Research Symposium	Gregory Hecht	South Jersey Industries	\$ 250	\$ -

Chemistry & Biochemistry

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Synthesis of Pharmaceutical Compounds	Subash Jonnalagadda	Avante Pharmaceuticals	\$ 12,100	\$ 2,100
Purification & Characterization of Urushiol	Cathy Yang	Allergy & Asthma of SJ Education and Research Foundation	\$ 7,000	\$ -
Purification & Characterization of Urushiol	Cathy Yang	Allergy & Asthma of SJ Education and Research Foundation	\$ 7,000	\$ -
Novel Electrolysis Parametric Characterization-Design of a Prototype Electrolyzer	Kandalam Ramanujachary	NATCO	\$ 5,042	\$ -
Novel Electrolysis Parametric Characterization-Design of a Prototype Electrolyzer	Kandalam Ramanujachary	NATCO	\$ 390,849	\$ 46,139
Laboratory-Scale Evaluation of Hydrogen Evolution Reaction Photocatalytic Materials	Timothy Vaden	NATCO	\$ 121,719	\$ 9,016
Novel Sustainable Energy Resources	Kandalam Ramanujachary	NATCO	\$ 20,000	\$ -
Laboratory Equipment	Lark Perez	Bristol-Myers Squibb Co.	\$ 935	\$ -

College of Science & Mathematics Awards Continued

Computer Science

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Advanced Visualization Techniques for Analyzing Flight Conflict Probe Tools	Adrian Rusu	FAA	\$ 40,000	\$ 11,831
MSE Iris Project Collaboration	Vasil Hnatyshin	Mission Solutions Engineering	\$ 10,631	\$ 1,741
MSE Iris Project Collaboration	Vasil Hnatyshin	Mission Solutions Engineering	\$ 50,131	\$ 8,700
MSE Iris Project Collaboration	Vasil Hnatyshin	Mission Solutions Engineering	\$ 14,238	\$ 2,414
Google Grant	Jennifer Kay	Google Inc.	\$ 34,000	\$ -

Mathematics

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Development of software tools for advanced statistical data analysis of metabolomics spectroscopic profiles of biological samples for mechanistic and toxicological classification	Thayasivam Umashanger	Bristol-Myers Squibb	\$ 40,000	\$ 6,942
Rowan Mathematics and Science Partnership Program	Karen Heinz	USDE	\$ 367,700	\$ 27,237

Physics & Astronomy

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Investigating the role of the precursor film in the creation and performance of carbide-derived carbon for supercapacitor and biomedical applications	Jeffrey Hettinger	CERDEC	\$ 11,915	\$ 3,524
Summer Undergraduate Research Fellowship at Gaithersburg, MD	Tabbatha Dobbins	NIST	\$ 16,922	\$ -
Measuring Ice Abundances in Martian Clouds	David Klassen	NSF	\$ 93,075	\$ 32,773
Characterization of Magnetic and Piezoelectric Components of Tunable Magneto-electric Structures	Samuel Lofland	NAVSEA	\$ 24,733	\$ 7,316
Support of the Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 2,700	\$ -
Support of the Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 14,400	\$ -

Psychology

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Technology-Based Treatments for Substance Use Disorders	Bethany Raiff	Dartmouth College	\$ 8,471	\$ 2,505
Game-based contingency management for smoking cessation	Bethany Raiff	NIH	\$ 288,156	\$ 45,469
Game-based contingency management for smoking cessation	Bethany Raiff	NIH	\$ 34,390	\$ -
Technological Innovations in a Behavioral Treatment for Cigarette Smoking	Bethany Raiff	NDR1	\$ 21,499	\$ 6,359
CRAFT for Parents of Adolescents	Mary Louise Kerwin	Treatment Research Institute	\$ 16,140	\$ 2,345

College of Science & Mathematics Proposals

Biological Sciences

Title	Project Investigator	Sponsor	Requested Amount
CREATE, Cornerstone to Capstone: integrating a transformative paradigm for Biology education throughout the curriculum	Alison Krufka	City College of New York	\$ 78,794

Chemistry and Biochemistry

Title	Project Investigator	Sponsor	Requested Amount
Transition metal ion complexation to amyloidogenic peptides and competitive chelation by drug candidates	Timothy Vaden	Amyloidosis Foundation	\$ 50,000
Novel Electrolysis Parametric Characterization-Design of a Prototype	Kandalam Ramanujachary	NATCO	\$ 390,849
CAREER-Methods for Quantitative Investigation of Environmental and Health Effects of gold nanoparticles	Lei Yu	NSF	\$ 454,709
Synthetic Investigations of a Sesquiterpene Natural Product	Lark Perez	American Chemical Society	\$ 50,000
Novel Sustainable Energy Resources	Kandalam Ramanujachary	NATCO	\$ 20,000
Novel Electrolysis Parametric Characterization-Design of a Prototype	Kandalam Ramanujachary	NATCO	\$ 5,042
RUI: characterization of Competitive Chelation in Metal Ion - Amyloid Protein Complexes	Timothy Vaden	NSF	\$ 197,074
Lithium ion and hydrogen ion solvation and transportation in imidazolium ionic liquids	Lei Yu	NSF	\$ 340,274
Synthesis of Pharmaceutical compounds	Subash Jonnalagadda	Avante Pharmaceuticals	\$ 12,100
MRI: Acquisition of a Matrix assisted laser desorption-ionization time of flight mass spectrometer for use in chemistry, biochemistry, biophysics and bio engineering and biomedical research and education	Gregory Caputo	NSF	\$ 284,910
Purification & Characterization of Urushiol	Cathy Yang	Allergy & Asthma of SJ Education and Research Foundation	\$ 7,000
ASPIRE	Gregory Caputo	American Honda Foundation	\$ 30,834

College of Science & Mathematics

Proposals Continued

Computer Science

Title	Project Investigator	Sponsor	Requested Amount
Advanced visualization Techniques for Analyzing Flight Conflict Probe Tools	Adrian Rusu	FAA	\$ 40,000
MSE Iris Project Collaboration: Phase 1	Vasil Hnatyshin	Mission Solutions Engineering	\$ 10,631
An Infrastructure for Designing Workflow-Appropriate Network Visualizations	Adrian Rusu	NSF	\$ 180,145
MSE Iris Project Collaboration: Phase 1	Vasil Hnatyshin	Mission Solutions Engineering	\$ 50,131
MSE Iris Project Collaboration: Phase 1 Add'l	Vasil Hnatyshin	Mission Solutions Engineering	\$ 14,238
Online Workshop: LEGO Robot Programming Beginners	Jennifer Kay	Google, Inc.	\$ 34,063
In Person: LEGO Robot Programming Beginners	Jennifer Kay	Google, Inc.	\$ 18,444

Mathematics

Title	Project Investigator	Sponsor	Requested Amount
Promoting Educators' Ratio Reasoning by Integrating Mathematics, computer Science & Engineering (PER Project)	Eric Milou	NSF	\$ 1,500,000
NSF Teaching Fellowships and Master Teaching Fellowships	Eric Milou	The Woodrow Wilson National Fellowship Foundation	\$ 125,932
Development of software tools for advanced statistical data analysis of metabolomics spectroscopic profiles of biological samples for mechanistic and toxicological classification	Umashanger Thayasivam	Bristol-Myer Squibb	\$ 40,000
Common Core Academy	Janet Caldwell	NJDOE	\$ 159,861
Rowan Mathematics and Science Partnership Program	Karen Heinz	NJDOE	\$ 367,700
Project AIM	Eric Milou	AT&T	\$ 49,995

College of Science & Mathematics

Proposals Continued

Physics & Astronomy

Title	Project Investigator	Sponsor	Requested Amount
Fabrication of magnetic nanoparticles of Fe, Ni and FeNi alloys by the method of electric explosion of wire and their structural, magnetic and microwave characterization for functional magnetic composite development	Samuel Lofland	CRDF Global	\$ 14,850
Support of the 2012 Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 2,700
Water quality in New Jersey water sheds: Regression models for advance warning and information	Hong Ling	Department of Army	\$ 363,909
Cold-Atom Mixtures of Fermions and Bosons: A Unique playground for exploring complicated condensed-matter phenomena	Hong Ling	NSF	\$ 194,686
Investigating the role of the precursor film in the creation and performance of carbide-derived carbon for supercapacitor and biomedical applications	Jeffrey Hettinger	CERDEC	\$ 11,903
Summer Undergraduate Research Fellowship at Gaithersburg, MD	Tabbatha Dobbins	NIST	\$ 18,000
Summer Undergraduate Research Fellowship at Boulder, CO	Tabbatha Dobbins	NIST	\$ 18,000
ACCRUE - Partnership in Action toward Community College & Rowan University Excellence	Tabbatha Dobbins	NSF	\$ 598,697
MRI: Acquisition of a Combination-Raman and FTIR for Research, Education and Training	Tabbatha Dobbins	NSF	\$ 331,975
Support of the 2013 Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 14,400
Characterization of Magnetic and Piezoelectric Components of Tunable Magneto-electric Structures	Samuel Lofland	NAVSEA	\$ 24,733
Support of the 2012 Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 12,600

College of Science & Mathematics

Proposals Continued

Psychology

Title	Project Investigator	Sponsor	Requested Amount
Smartphone videogame-based incentives for smoking cessation: "Breathe Free," a contingency management programs	Bethany Raiff	NIH	\$ 133,125
Game-based contingency management for smoking cessation	Bethany Raiff	NIH	\$ 537,680
CRAFT for Parents of Adolescents	Mary Louise Kerwin	Treatment Research Institute	\$ 16,140
Therapeutic Visitation in Three Counties, Atlantic, Burlington and Cape May	Mary Louise Kerwin	Center for Family Services	\$ 67,615
Technology-Based Treatments for Substance Use Disorders	Bethany Raiff	Dartmouth College	\$ 8,471
A contingency Management Smokeless Tobacco Intervention for the US Fire Service	Bethany Raiff	NIH	\$ 20,058
Comparing RDI and ABA/VB to Treatment as usual on joint and communication in preschool children with autism	Mary Louise Kerwin	NJDHHS	\$ 398,539
Effects of famotidine on gastroesophageal reflux and its associated symptoms in children with ASD	Mary Louise Kerwin	Autism Speaks, Inc.	\$ 119,904
Technological Innovations in a Behavioral Treatment for Cigarette Smoking	Bethany Raiff	NDRI	\$ 21,499
Sexual Aggression Risk Recognition in Women: Expansion of the Edudate Paradigm	David Angelone	USDOJ	\$ 336,263

Cooper Medical School of Rowan University Awards & Proposals

Cooper Medical School of Rowan University					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	-	\$ -	2	\$ 11,847	\$ 184,927
Neurosurgery	-	\$ -	1	\$ -	\$ 446,000
Biomedical Sciences	10	\$3,207,634	0	\$ -	\$ -
Total	10	\$3,207,634	3	\$ 11,847	\$ 630,927

Awards

Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
CMSRU Primary Care Academic Administration Unit Program	Vijay Rajput	Health Resources and Services Administration	\$ 159,927	\$ 11,847
Primary Urban Partnership Program	Jocelyn Mitchell-Williams	Schwartz Foundation	\$ 25,000	\$ -

Neurosurgery

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Cart S7 Staff Assembled 110V System; Software Including: Synergy	H. Warren Goldman	Medtronic Surgical Technologies	\$ 446,000	\$ -

Cooper Medical School of Rowan University Proposals

Biomedical Sciences

Title	Project Investigator	Sponsor	Requested Amount
Application of Adipose-derived stem cells in urological diseases	Shaohua Chang	NIH	\$ 432,000
Nonlinear Hemodynamics: Bench to Bedside	Steven Hollenberg	NIH	\$ 342,058
Effects of radiation on adipose-derived stem cells	Yuan Liu	NIH	\$ 968,584
Tissue Engineered Blood Vessels for Vascular Bypass Grafting	Thomas Tulenko	NIH	\$ 432,000
AAV-mediated IGF-IR microRNA gen therapy for hepatocellular carcinomas	Zheng Wei	NIH	\$ 432,000
Comparison of the Production and Functionality of Marginal Zone B-lymphocytes and Evaluation of Antibody Responses in Splenectomized and Splenic Embolized Patients	Oswaldo Lopez	Wright State University	\$ 23,918
Use of Lecture Tools to Enhance Learning in a Medical School Pre-matriculation program	Oswaldo Lopez	ECHO360 Inc.	\$ 10,000
B cells in Health and Disease, Project 4	Andrea Bottaro	Rochester University	\$ 360,212
Studies of Morphine-Preference Candidate Genes in Mice	Thomas Ferraro	University of Pennsylvania	\$ 111,643
Mobile DNA Elements and Neuronal Excitation	Thomas Ferraro	University of Pennsylvania	\$ 95,219

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