

# ANNUAL REPORT

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2011-2012

OFFICE OF RESEARCH

OFFICE OF SPONSORED PROGRAMS



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## Executive Summary

The Office of Sponsored Programs (OSP) in the Research Office is pleased to present this report describing externally sponsored program activity at Rowan University. During Fiscal Year 2012, OSP received grant awards exceeding \$9.1M – a 56% increase from the previous year. These awards include grants and contracts from government and industry.

For the first time, we are partnering with the Division of University Advancement in reporting \$4.6M of additional funds that they have raised through philanthropic gifts, donations and grants from individuals, corporations and foundations. This addition provides a complete picture of external fundraising on campus – in FY-2012, Rowan University raised \$13.7-M.

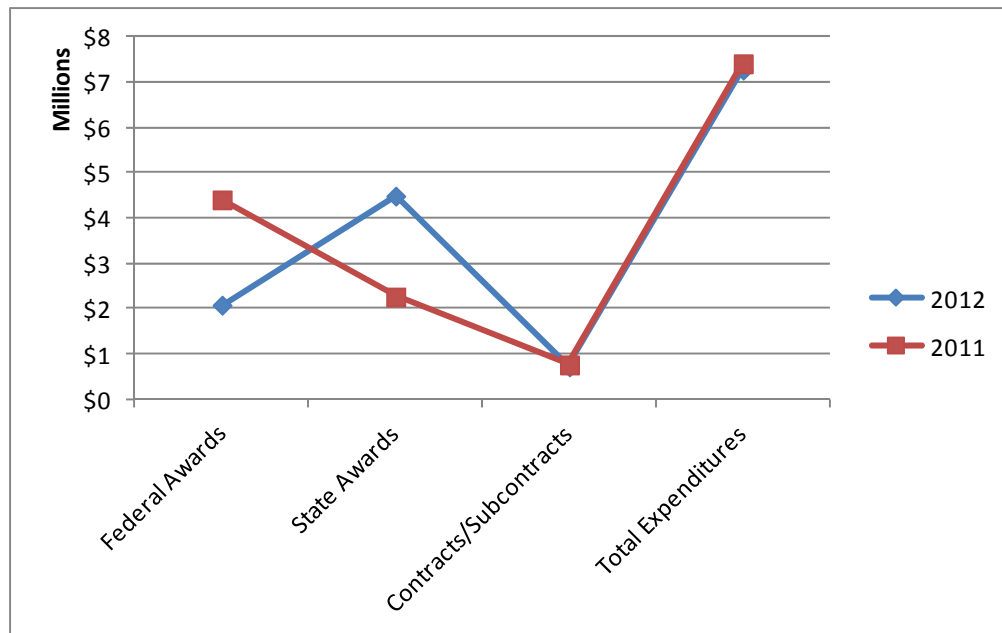
Dr. Shreekanth Mandayam  
*Associate Provost for Research*

# Total External Funds Raised

Unit	Office of Sponsored Programs	University Advancement	Department
Administration \$ 2,940,124	\$ 21,188	\$ -	Healthy Campus Initiatives
	\$ -	\$ 104,746	Athletics
	\$ -	\$ 1,589,010	Other
	\$ 1,225,180	\$ -	Educational Opportunity Fund
Business \$ 255,311	\$ 3,000	\$ 250,561	Dean's Office
	\$ -	\$ 1,250	Finance
	\$ -	\$ 500	Marketing
Camden Campus \$ 2,103,069	\$ 875,000	\$ -	C.H.A.M.P./Gear-Up
	\$ -	\$ 23,209	Other
	\$ 287,091	\$ -	Upward Bound
	\$ 917,769	\$ -	Educational Opportunity Fund
Continuing & Graduate Education \$ 20,000	\$ 20,000	\$ -	Dean's Office
Communication \$ 256,573	\$ -	\$ 16,215	Dean's Office
	\$ -	\$ 4,500	Public Relations
	\$ -	\$ 234,508	Radio/TV/Film
	\$ -	\$ 1,350	Writing Arts
Cooper Medical School \$ 1,911,567	\$ 155,267	\$ 1,756,300	Dean's Office
Fine and Performing Arts \$ 95,165	\$ -	\$ 85,415	Dean's Office
	\$ -	\$ 9,750	Art Gallery
Education \$ 759,485	\$ 460,397	\$ 196,492	Dean's Office
	\$ -	\$ 51,005	Elementary Education
	\$ -	\$ 1,000	Educational Leadership
	\$ 2,466	\$ 26,125	Health & Exercise Science
	\$ 22,000	\$ -	Educational Services, Administration, and Higher Education
Engineering \$ 649,171	\$ -	\$ 102,405	Dean's Office
	\$ 290,000	\$ -	Chemical Engineering
	\$ -	\$ 1,530	Electrical and Computer Engineering
	\$ 190,247	\$ 14,977	Civil and Environmental Engineering
	\$ 42,798	\$ 7,214	Mechanical Engineering
South Jersey Technology Park \$ 1,033,443	\$ 43,940	\$ -	Chemical Engineering
	\$ 340,942	\$ -	Civil and Environmental Engineering
	\$ 636,582	\$ -	Electrical and Computer Engineering
	\$ 11,979	\$ -	Mechanical Engineering
Liberal Arts and Sciences \$ 3,723,118	\$ 30,000	\$ 18,366	Dean's Office
	\$ -	\$ 4,360	Biological Sciences
	\$ 1,063,923	\$ 30,500	Chemistry & Biochemistry
	\$ 149,290	\$ 18,900	Computer Science
	\$ -	\$ 5,000	English
	\$ -	\$ 5,137	Foreign Languages and Literatures
	\$ 90,385	\$ 26,572	Geography & Environment
	\$ 1,702,400	\$ 2,760	Mathematics
	\$ -	\$ 13,675	Nursing
	\$ 498,627	\$ 25,240	Physics and Astronomy
\$ 37,983	\$ -	Psychology	
<b>TOTAL</b>	<b>\$ 13,747,026</b>	<b>\$ 9,118,454</b>	<b>\$ 4,628,572</b>

# Research Expenditures

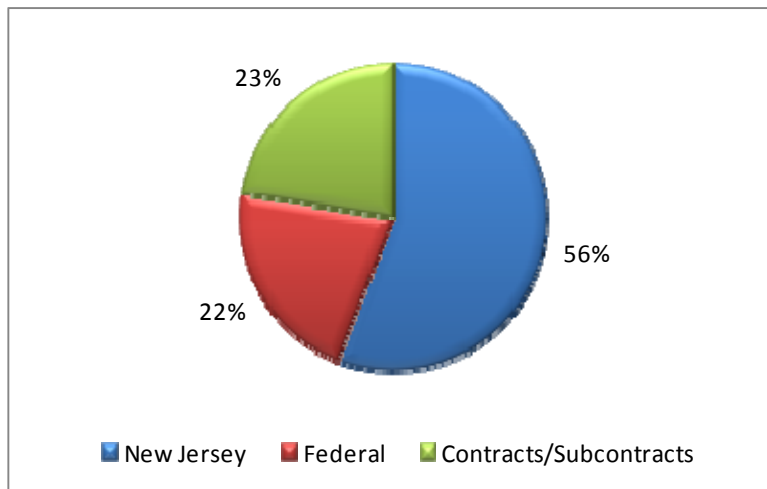
	2012 Expenditures	2011 Expenditures	Comparison
Federal Awards	\$ 2,073,790.45	\$ 4,401,427.90	\$ (2,327,637.45)
State Awards	\$ 4,485,615.32	\$ 2,254,003.77	\$ 2,231,611.55
Contracts/ Subcontracts	\$ 711,214.35	\$ 752,914.24	\$ (41,699.89)
<b>Total Expenditures</b>	<b>\$ 7,270,620.12</b>	<b>\$ 7,408,345.91</b>	<b>\$ (137,725.79)</b>



## Total Grant Activity

Unit	PROPOSALS		AWARDS		
	#	Amount	#	Indirect	Award Totals
Administration	7	\$6,363,577	5	\$1,570	\$1,246,368
Camden Campus	10	\$4,310,812	11	\$19,934	\$2,079,860
College of Business	2	\$53,000	1	\$ -	\$3,000
College of Communication	1	\$20,300	0	\$ -	\$ -
College of Education	6	\$2,150,710	3	\$24,953	\$484,863
College of Engineering	35	\$5,075,665	14	\$102,464	\$523,045
South Jersey Technology Park	26	\$2,594,100	19	\$144,055	\$1,033,443
College of Fine & Performing Arts	1	\$30,000	0	\$ -	\$ -
College of Liberal Arts and Sciences	43	\$6,652,667	26	\$396,461	\$3,572,608
College of Graduate and Continuing Education	1	\$20,000	1	\$ -	\$20,000
Office of the Provost	0	\$ -	0	\$ -	\$ -
Cooper Medical School of Rowan University	3	\$1,704,256	1	\$11,501	\$155,267
<b>TOTAL</b>	<b>135</b>	<b>\$28,975,087</b>	<b>81</b>	<b>\$700,938</b>	<b>\$9,118,454</b>

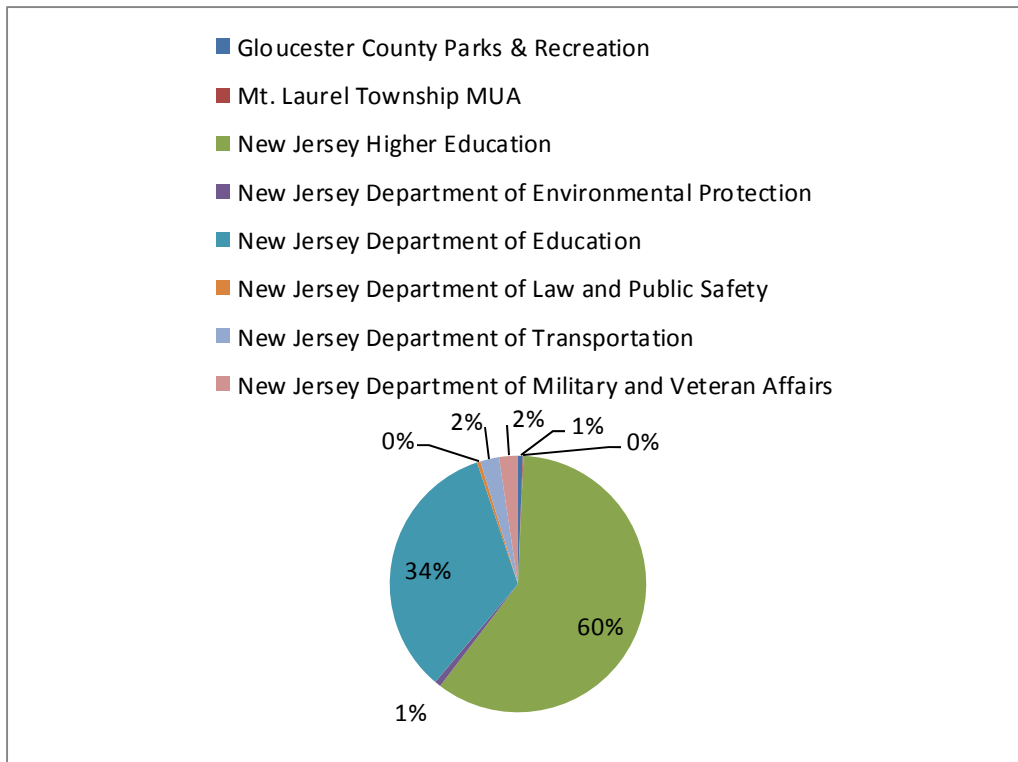
## All Funding Sources



Awarded Sources	Number	Amount
New Jersey	25	\$ 5,056,641
Federal	20	\$ 1,990,366
Contracts/Subcontracts	36	\$ 2,071,447
<b>Total</b>	<b>81</b>	<b>\$ 9,118,454</b>

# New Jersey Sponsored Grant Activity

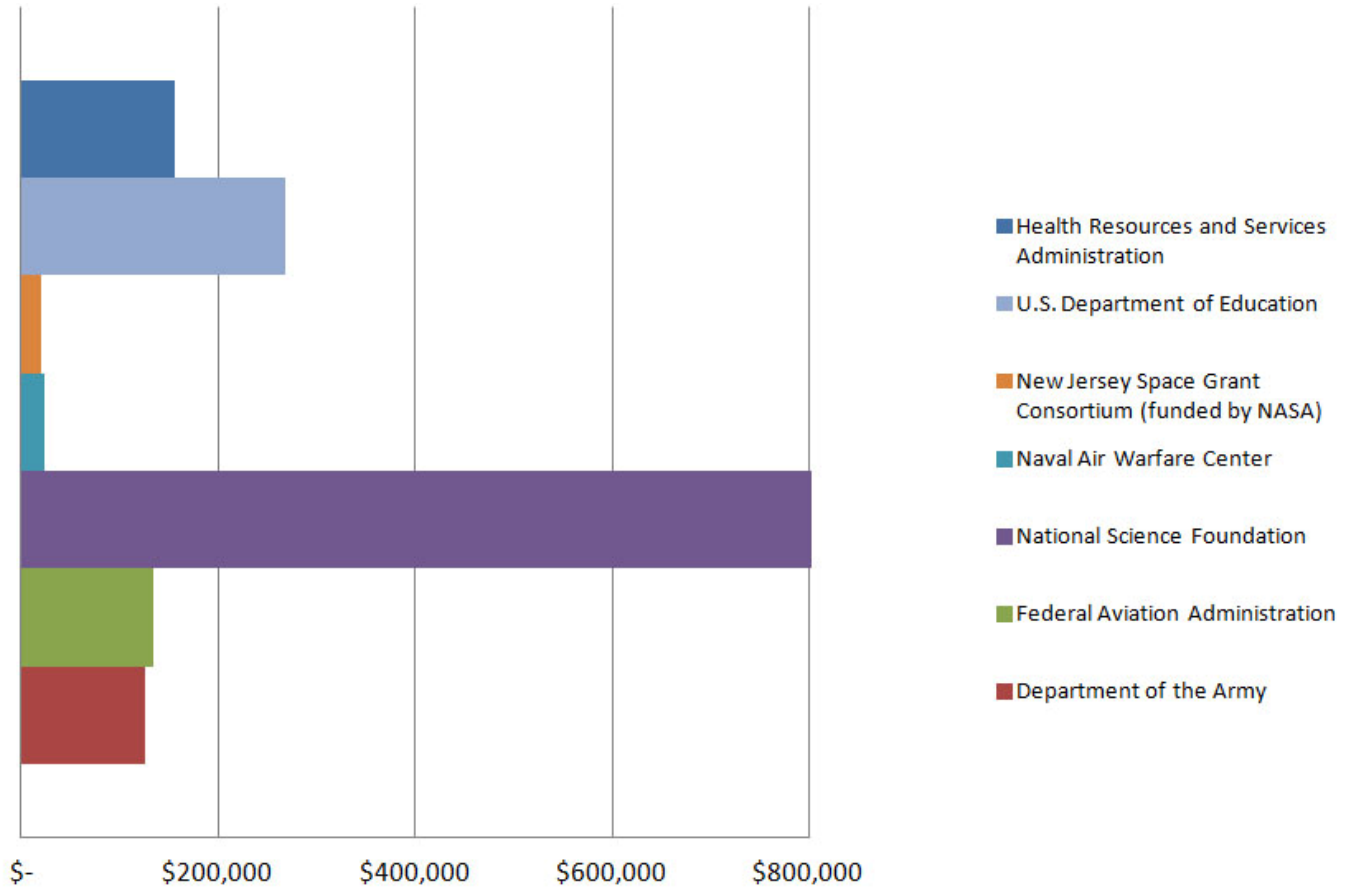
## New Jersey Funding Sources



New Jersey Sponsors	Number	Amount
Gloucester County Parks & Recreation	1	\$ 30,000
Mt. Laurel Township MUA	1	\$ 5,000
New Jersey Higher Education	12	\$ 3,017,949
New Jersey Department of Environmental Protection	1	\$ 39,974
New Jersey Department of Education	4	\$ 1,702,400
New Jersey Department of Law and Public Safety	1	\$ 21,188
New Jersey Department of Transportation	1	\$ 119,761
New Jersey Department of Military and Veteran Affairs	4	\$ 120,369
<b>Total</b>	<b>25</b>	<b>\$ 5,056,641</b>

# Federally Sponsored Grant Activity

## Federal Funding Sources



<b>Federal Sponsors</b>	<b>Number</b>	<b>Amount</b>
Department of the Army	3	\$ 126,558
Federal Aviation Administration	2	\$ 134,522
Health Resources and Services Administration	1	\$ 155,267
National Science Foundation	6	\$ 1,261,351
Naval Air Warfare Center	4	\$ 22,977
New Jersey Space Grant Consortium (funded by NASA)	2	\$ 20,600
U.S. Department of Education	2	\$ 269,091
<b>Total</b>	<b>20</b>	<b>\$ 1,990,366</b>



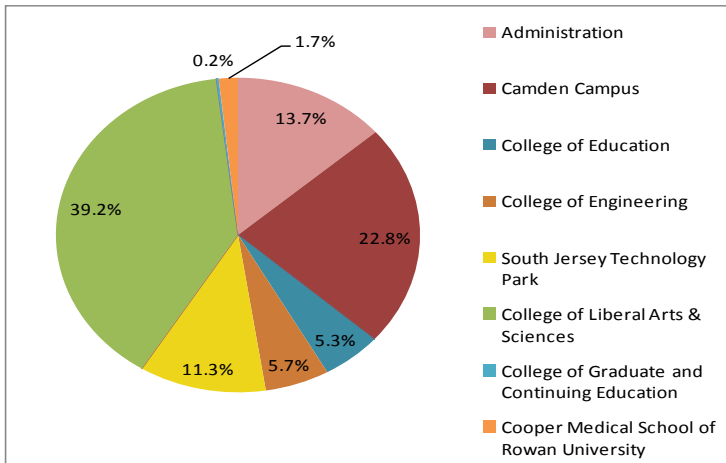
## Contract and Subcontract Activity

<b>Contracts and Subcontracts</b>	<b>Number</b>	<b>Amount</b>
Advanced Cooling Technologies	2	\$ 70,625
Avante Pharmaceuticals	1	\$ 60,000
Camden County 4-H	1	\$ 18,000
Children's Hospital of Philadelphia	1	\$ 26,400
Colonial Chemical Company	1	\$ 10,000
DNJ Pharma Inc.	1	\$ 200,000
Educational Information and Resource Center	1	\$ 20,390
Fair Share Housing Center	1	\$ 2,000
Family Resource Network	1	\$ 2,466
GBB Bearing Technology	1	\$ 5,400
Green Asphalt Technologies, LLC	1	\$ 2,000
Green Map System	1	\$ 10,000
Helios	2	\$ 3,940
Johnson Matthey	2	\$ 40,000
Leisher Family Fund	1	\$ 5,600
NATCO Pharmaceuticals, LLC	3	\$ 733,923
National Association of School Psychologists	1	\$ 22,000
National Geographic Society	1	\$ 15,000
New Jersey Institute of Technology	1	\$ 20,000
Pennakem	1	\$ 30,000
R.E. Pierson Construction Company	1	\$ 3,500
RAP Technologies LLC	1	\$ 5,000
Research Foundation of the City University of New York	2	\$ 86,293
Rose Pharmaceuticals, LLC	1	\$ 60,000
Rutgers, The State University of New Jersey	2	\$ 105,090
Salem County United Way	1	\$ 3,000
Treatment Research Institute	1	\$ 37,983
Turnasure LLC	1	\$ 12,440
William Patterson University	1	\$ 460,397
<b>TOTAL</b>	<b>36</b>	<b>\$ 2,071,447</b>

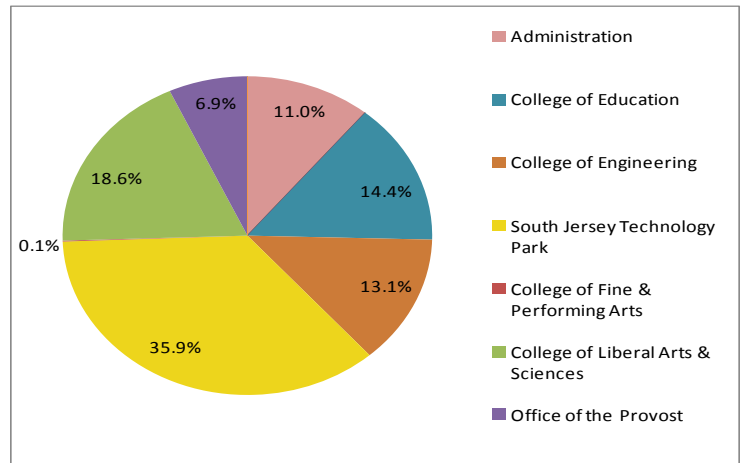


# Unit Comparison Data

## FY 12 Percentage of Awards by Unit



## FY 11 Percentage of Awards by Unit



Units	Percentage of Total Awards		Percentage of Total Proposals	
	FY12	FY11	FY12	FY11
Administration	13.7%	11.0%	22.0%	1.2%
Camden Campus	22.8%	-	14.9%	-
College of Business	0.0%	0.0%	0.2%	0.0%
College of Communication	0.0%	0.0%	0.1%	0.0%
College of Education	5.3%	14.4%	7.4%	2.6%
College of Engineering	5.7%	13.1%	17.5%	16.5%
South Jersey Technology Park	11.3%	35.9%	9.0%	25.8%
College of Fine & Performing Arts	0.0%	0.1%	0.1%	0.4%
College of Liberal Arts & Sciences	39.2%	18.6%	23.0%	20.9%
Office of the Provost	0.0%	6.9%	0.0%	32.6%
College of Graduate and Continuing Education	0.2%	0.0%	0.1%	0.0%
Cooper Medical School	1.7%	-	5.9%	-
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

## Unit Comparison Data

UNITS	AWARDS		PROPOSALS	
	FY12	FY11	FY12	FY11
Administration	5 \$1,246,368	6 \$639,927	7 \$6,363,577	4 \$380,968
Camden Campus	11 \$2,079,860	(reported in Administration)	10 \$4,310,812	(reported in Administration)
College of Business	1 \$3,000	1 \$2,500	2 \$53,000	1 \$2,500
College of Communi- cation	0 \$0	0 \$0	1 \$20,300	1 \$25,000
College of Education	3 \$484,863	5 \$838,986	6 \$2,150,710	5 \$810,149
College of Engineering	14 \$523,045	12 \$759,131	35 \$5,075,665	21 \$5,229,007
South Jersey Technology Park	19 \$1,033,443	24 \$2,082,322	26 \$2,594,100	35 \$8,183,841
College of Fine and Performing Arts	0 \$0	1 \$6,400	1 \$30,000	3 \$129,870
College of Liberal Arts and Sciences	26 \$3,572,608	23 \$1,078,565	43 \$6,652,667	38 \$6,643,663
Office of the Provost	0 \$0	4 \$403,307	0 \$0	4 \$10,325,261
College of Graduate and Continuing Education	1 \$20,000	0 \$0	1 \$20,000	0 \$0
Cooper Medical School	1 \$155,267	No Data	3 \$1,704,256	No Data
<b>Total Number</b>	<b>81</b>	<b>76</b>	<b>135</b>	<b>112</b>
<b>Total Amount</b>	<b>\$9,118,454</b>	<b>\$5,811,138</b>	<b>\$28,975,087</b>	<b>\$31,730,259</b>

# Administration Awards & Proposals

Administration					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Healthy Campus Initiatives</b>	1	\$ 20,897	1	\$ 1,570	\$ 21,188
<b>Educational Opportunity Fund</b>	4	\$1,225,180	4	\$ -	\$ 1,225,180
<b>Facilities</b>	1	\$5,100,000	0	\$ -	\$ -
<b>Public Safety</b>	1	\$ 17,500	0	\$ -	\$ -
<b>Total</b>	<b>7</b>	<b>\$6,363,577</b>	<b>5</b>	<b>\$ 1,570</b>	<b>\$ 1,246,368</b>

## Awards

### Healthy Campus Initiatives

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
NJ College Summit to Prevent Underage Drinking	Allie Pearce	NJ Dept. of Law & Public Safety	\$ 21,188	\$ 1,570

### Educational Opportunity Fund

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Academic Year FY12	Penny McPherson-Barnes	New Jersey Higher Education	\$ 261,700	\$ -
Summer FY12	Penny McPherson-Barnes	New Jersey Higher Education	\$ 350,890	\$ -
Summer FY13	Penny McPherson-Barnes	New Jersey Higher Education	\$ 350,890	\$ -
Academic Year FY13	Penny McPherson-Barnes	New Jersey Higher Education	\$ 261,700	\$ -

## Proposals

### Healthy Campus Initiatives

Title	Project Investigator	Sponsor	Requested Amount
NJ College Summit to Prevent Underage Drinking	Allison Pearce	NJ Dept. of Law & Public Safety	\$ 20,897

### Facilities Administration

Title	Project Investigator	Sponsor	Requested Amount
Camden Bank Building	Joseph Monahan	New Jersey Economic Development Authority	\$ 5,100,000

### Public Safety

Title	Project Investigator	Sponsor	Requested Amount
Rowan Walk Safe	Benjamin Harrell	NJ Dept. of Law & Public Safety	\$ 17,500

### Educational Opportunity Fund

Title	Project Investigator	Sponsor	Requested Amount
Summer FY12	Penny McPherson-Barnes	New Jersey Higher Education	\$ 350,890
Academic Year FY12	Penny McPherson-Barnes	New Jersey Higher Education	\$ 261,700
Academic Year FY13	Penny McPherson-Barnes	New Jersey Higher Education	\$ 261,700
Summer FY13	Penny McPherson-Barnes	New Jersey Higher Education	\$ 350,890

# Camden Campus Awards & Proposals

Camden Campus					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>C.H.A.M.P./Gear-Up</b>	1	\$ 876,000	2	\$ -	\$ 875,000
<b>Upward Bound</b>	4	\$2,537,091	3	\$ 19,934	\$ 287,091
<b>Educational Opportunity Fund</b>	5	\$ 897,721	6	\$ -	\$ 917,769
<b>Total</b>	<b>10</b>	<b>\$4,310,812</b>	<b>11</b>	<b>\$ 19,934</b>	<b>\$ 2,079,860</b>

## Awards

### C.H.A.M.P./Gear-Up

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
C.H.A.M.P. FY12	Tyrone McCombs	New Jersey Higher Education	\$ 395,000	\$ -
Gear-Up FY12	Tyrone McCombs	New Jersey Higher Education	\$ 480,000	\$ -

### Upward Bound

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Upward Bound for English Language Learners	Winona Wigfall	U.S. Dept. of Education	\$ 250,000	\$ 18,519
Creating Afterschool Slots for Youth	Margarita Olivencia	Camden County 4-H	\$ 18,000	\$ -
Upward Bound	Jacqueline McCafferty	U.S. Dept. of Education	\$ 19,091	\$ 1,415

### Educational Opportunity Fund

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
AIM High Academy	Donavan McCargo	New Jersey Higher Education	\$ 153,284	\$ -
Summer FY12	Donavan McCargo	New Jersey Higher Education	\$ 115,771	\$ -
Academic Year FY12	Donavan McCargo	New Jersey Higher Education	\$ 333,060	\$ -
Academic Year FY13	Donavan McCargo	New Jersey Higher Education	\$ 177,803	\$ -
Summer FY13	Donavan McCargo	New Jersey Higher Education	\$ 117,803	\$ -
New Jersey's College Access Grant	Kimberly Whitehead	New Jersey Higher Education	\$ 20,048	\$ -

## Proposals

### C.H.A.M.P./Gear-Up

Title	Project Investigator	Sponsor	Requested Amount
C.H.A.M.P./Gear-Up FY12	Tyrone McCombs	New Jersey Higher Education	\$ 876,000

### Upward Bound

Title	Project Investigator	Sponsor	Requested Amount
Creating Afterschool Slots for Youth	Margarita Olivencia	Camden County 4-H	\$ 18,000
Rowan University Upward Bound	Winona Wigfall	U.S. Dept. of Education	\$ 1,250,000
Upward Bound for English Language Learners	Winona Wigfall	U.S. Dept. of Education	\$ 1,250,000
Upward Bound	Jacqueline McCafferty	U.S. Dept. of Education	\$ 19,091

### Educational Opportunity Fund

Title	Project Investigator	Sponsor	Requested Amount
Academic Year FY12	Donavan McCargo	New Jersey Higher Education	\$ 333,060
Rowan University AIM High Academy	Donavan McCargo	New Jersey Higher Education	\$ 153,284
Summer FY13	Donavan McCargo	New Jersey Higher Education	\$ 117,803
Academic Year FY13	Donavan McCargo	New Jersey Higher Education	\$ 177,803
Summer FY12	Donavan McCargo	New Jersey Higher Education	\$ 115,771

# College of Business Awards & Proposals

College of Business					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	1	\$ 3,000	1	\$ -	\$ 3,000
Rohrer Endowed Chair	1	\$ 50,000			
<b>Total</b>	<b>2</b>	<b>\$ 53,000</b>	<b>1</b>	<b>\$ -</b>	<b>\$ 3,000</b>

## Awards

### Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
The South Jersey Tri-County United Way Coalition	Margaret Van Brunt	Salem County United Way	\$ 3,000	\$ -

## Proposals

### Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
The South Jersey Tri-County United Way Coalition	Margaret Van Brunt	United Way of Salem County	\$ 3,000

### Rohrer Endowed Chair

Title	Project Investigator	Sponsor	Requested Amount
Rowan Student Business Hatchery	Steve Phelan	National Collegiate Inventors and Innovators Alliance	\$ 50,000

# College of Communication Proposals

College of Communication					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Communication Studies	1	\$ 20,300	0	\$ -	\$ -
<b>Total</b>	<b>1</b>	<b>\$ 20,300</b>	<b>0</b>	<b>\$ -</b>	<b>\$ -</b>

## Communication Studies

Title	Project Investigator	Sponsor	Requested Amount
What Does It Mean To Be a Good Citizen?	Maria Simone	National Endowment for the Humanities	\$ 20,300



# College of Education Awards & Proposals

College of Education					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	0	\$ -	1	\$ 24,770	\$ 460,397
Health & Exercise Sciences	2	\$ 177,466	1	\$ 183	\$ 2,466
Educational Services, Administration, and Higher Education	1	\$ 22,000	1	\$ -	\$ 22,000
Educational Leadership	2	\$ 516,863			
Language, Literacy, & Special Education	1	\$ 1,434,381			
<b>Total</b>	<b>6</b>	<b>\$ 2,150,710</b>	<b>3</b>	<b>\$ 24,953</b>	<b>\$ 484,863</b>

## Awards

### Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Teacher Quality Partnership Grant	Carol Sharp	William Patterson University	\$ 460,397	\$ 24,770

### Health & Exercise Sciences

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Get Fit 2012	Leslie Spencer	Family Resource Network	\$ 2,466	\$ 183

### 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	\$ -

## Proposals

### Educational Leadership

Title	Project Investigator	Sponsor	Requested Amount
The Use of Data by Community College Faculty: Moving Beyond Institutional Analyses and Into the Classroom	Monica Kerrigan	Spencer Foundation	\$ 39,997
Investigating the Links Between Entrepreneurial Orientation and School Performance: A National Study	Ane Turner Johnson	National Science Foundation	\$ 476,866

### Educational Services, Administration, and Higher Education

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

### Health & Exercise Science

Title	Project Investigator	Sponsor	Requested Amount
Get Fit	Leslie Spencer	Family Resource Network	\$ 2,466
Get Fit	Leslie Spencer	Family Resource Network	\$ 175,000

### Language, Literacy, & Special Education

Title	Project Investigator	Sponsor	Requested Amount
Digital Writers in Digital Workshops: New Literacies and New Directions for Students in the 21st Century	Marjorie Madden	Institute of Education Sciences	\$ 1,434,381

# College of Engineering Awards

College of Engineering					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Chemical</b>	7	\$ 1,256,119	3	\$ 74,313	\$ 290,000
<b>Civil &amp; Environmental</b>	14	\$ 2,849,865	7	\$ 24,537	\$ 190,247
<b>Mechanical</b>	14	\$ 969,681	4	\$ 3,614	\$ 42,798
<b>Total</b>	<b>35</b>	<b>\$ 5,075,665</b>	<b>14</b>	<b>\$ 102,464</b>	<b>\$ 523,045</b>

## Chemical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Engineering Research Center Education and Outreach Efforts	Mariano Salveski	Rutgers, The State University of New Jersey	\$ 60,000	\$ 20,301
Organizing the Curriculum	Stephanie Farrell	NSF	\$ 200,000	\$ 51,790
Life Cycle Modeling of MeTHF and Bio-THF as Green Solvents	C. Stewart Slater	Pennakem	\$ 30,000	\$ 2,222

## Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Recycled Concrete Aggregate In Portland's Cement Concrete	Douglas Cleary	Research Foundation of the City University of New York	\$ 11,304	\$ 4,346
Performance of Unbound Layers of a Flexible Pavement System During Aircraft Loading	Beena Sukumaran	Federal Aviation Administration	\$ 64,545	\$ 9,703
Creep/Relaxation Study for DTIs	Douglas Cleary	Turnasure LLC	\$ 12,440	\$ 4,122
Internship Program and Staff Workshop	Jess Everett	New Jersey Department of Environmental Protection	\$ 39,974	\$ -
Energy Audit of Woodbury Armory	Jess Everett	New Jersey Department of Military and Veteran Affairs	\$ 5,000	\$ 370
Energy Audit of External Lights at Mt. Laurel MUA Facilities	Jess Everett	Mt. Laurel Township MUA	\$ 5,000	\$ 370
Energy Audit Center	Jess Everett	New Jersey Department of Military and Veteran Affairs	\$ 51,984	\$ 5,626

## Mechanical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Dynamic Wear Tester Tribometer Redesign	Eric Constans	GGB Bearing Technology	\$ 5,400	\$ 400
Subgrade Void Detection System	Jennifer Kadowec	Naval Air Warfare Center	\$ 5,499	\$ 407
Biomechanics Research Collaboration	Jennifer Kadowec	Children's Hospital of Philadelphia	\$ 26,400	\$ 2,400
Mark 7 Retractable Sheave Assembly	T.R. Chandrupatla	Naval Air Warfare Center	\$ 5,499	\$ 407

# College of Engineering Proposals

## Chemical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Life Cycle Modeling of MeTHF and Bio-THF as Green Solvents	C. Stewart Slater	Pennakem	\$ 30,000
Planaria: A New Model for FASD Studies	Mary Staehle	The Foundation for Alcohol Research	\$ 85,041
RUI: Self-assembling Biomimetic Hydrogels with Bioadhesive Properties for Tissue Engineering Applications	Andrea Vernengo	National Science Foundation	\$ 422,826
Engineering Research Center Education and Outreach Efforts	Mariano Savelski	Rutgers, The State University of New Jersey	\$ 60,000
Scaffold Delivery of BDNF Augments Drug Enhanced Training in Cervical SCI	Andrea Vernengo	Drexel University	\$ 40,000
Self-Assembling Biomimetic Hydrogels with Bioadhesive Properties for Intervertebral Disc Repair	Andrea Vernengo	National Institutes of Health	\$ 418,326
An Electronic Pedagogical Companion for Improving Learning in Process Dynamics and Control	Mary Staehle	National Science Foundation	\$ 199,926

## Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Requested Amount
Internship Program and Staff Workshop	Jess Everett	New Jersey Department of Environmental Protection	\$ 39,974
Scholarships to Enhance the High-Tech Workforce of Southern NJ II	Jess Everett	National Science Foundation	\$ 598,099
Rowan University Industrial Assessment Center	Jess Everett	U.S. Department of Energy	\$ 992,534
Metamodel for Characterizing Decontamination Events After Spore Release In Any Indoor Environment With Malicious Intent	Shamia Hoque	Drexel University	\$ 212,372
Water Quality in New Jersey Water Sheds: Regression Models for Advance Warning and Information	Shamia Hoque	New Jersey Water Resources Research Institute	\$ 15,000
Landfill Closure with Dredged Material - A Desktop Analysis	Jess Everett	New Jersey Department of Transportation	\$ 111,705
Energy Audit of Woodbury Armory	Jess Everett	New Jersey Department of Military and Veteran Affairs	\$ 5,000
Collaborative Research: Training Next Generation Faculty and Students to Address the Infrastructure Crisis	Douglas Cleary	National Science Foundation	\$ 21,440
Energy Audit Center	Jess Everett	New Jersey Department of Military and Veteran Affairs	\$ 504,058
Energy Audit of External Lights at Mount Laurel MUA Facilities	Jess Everett	Mount Laurel Township MUA	\$ 5,000
Collaborative Proposal to Study the Influence of Morphology on Granular Behavior Through Numerical and Physical Experiments	Beena Sukumaran	National Science Foundation	\$ 232,885
Isolation of Creep and Relaxation Losses in Bolted Assemblies	Douglas Cleary	American Institute of Steel Construction	\$ 69,358
Internship Program and Staff Workshop	Jess Everett	New Jersey Department of Environmental Protection	\$ 30,000
Creep/relaxation study for DTIs	Douglas Cleary	Turnasure LLC	\$ 12,440

# College of Engineering Proposals

## Mechanical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Mark 7 Retractable Sheave Assembly	Tirupathi Chandrupatla	Naval Air Warfare Center	\$ 5,499
Subgrade Void Detection System	Jennifer Kadlowec	Naval Air Warfare Center	\$ 5,499
ECARE in Pitman Manor	Hong Zhang	National Science Foundation	\$ 91,000
Collaborative Research: A Thermodynamics Concept Inventory to Measure Students' Conceptual Knowledge	Smitesh Bakrania	National Science Foundation	\$ 129,965
Tailored Nanoparticles Via Precursor Manipulation in Combustion Synthesis	Smitesh Bakrania	American Chemical Society	\$ 65,000
Marine Electricity from High Altitude Wind with a Kite	Hong Zhang	U.S. Environmental Protection Agency	\$ 10,000
Dynamic Wear Tester Tribometer Redesign	Eric Constans	GGB Bearing Technology	\$ 5,400
Precursors as a Control Mechanism in Combustion Synthesis of Tailored Nanoparticles	Smitesh Bakrania	National Science Foundation	\$ 99,550
The Next Generation of Classroom Response System and Its Impact on Learning	Smitesh Bakrania	National Science Foundation	\$ 138,265
Enhancing the Undergraduate STEM Curriculum Through a Multidisciplinary Approach that Integrates Biology and Engineering	Jennifer Kadlowec	National Science Foundation	\$ 199,503
Improvement of the Unit Hoist	Hong Zhang	APG International	\$ 6,000
Team-Based Projects to Improve Student Design Experience	Jennifer Kadlowec	National Institutes of Health	\$ 200,000
Conceptual Design for the Mechanical/Electrical Rehabilitation of the Dorset Avenue Bridge (V-1) in Ventnor City, Atlantic County	Tirupathi Chandrupatla	Atlantic County Division of Engineering	\$ 12,000
Enhanced Combustion With Nano-Sized Catalytically Active Particles	Smitesh Bakrania	National Science Foundation	\$ 2,000

# South Jersey Technology Park Awards

South Jersey Technology Park					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Chemical Engineering</b>	3	\$ 42,500	4	\$ 3,256	\$ 43,940
<b>Civil &amp; Environmental Engineering</b>	8	\$ 485,223	8	\$ 39,276	\$ 340,942
<b>Electrical &amp; Computer Engineering</b>	10	\$ 1,076,709	5	\$ 100,635	\$ 636,582
<b>Mechanical Engineering</b>	5	\$ 989,668	2	\$ 888	\$ 11,979
<b>Total</b>	<b>26</b>	<b>\$ 2,594,100</b>	<b>19</b>	<b>\$ 144,055</b>	<b>\$ 1,033,443</b>

## Awards

### Chemical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Optimization of Three Dimensional Solar Cells	Kevin Dahm	Helios	\$ 1,440	\$ 107
Optimization of Three Dimensional Solar Cells	Kevin Dahm	Helios	\$ 2,500	\$ 185
Recycle of Spent Scrubber Solutions	Robert Hesketh	Johnson Matthey	\$ 20,000	\$ 1,482
Greener Alternatives to Processing Cementation Liquor	Robert Hesketh	Johnson Matthey	\$ 20,000	\$ 1,482

### Civil & Environmental Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Evaluate the Impact of Concrete Material Properties, Joint Type and Support Condition on Airport Pavement Design	Yusuf Mehta	Federal Aviation Administration	\$ 69,977	\$ 10,896
Correlation Between Multiple Stress Creep Recovery (MSCR) Results and Polymer Modification of Binder	Yusuf Mehta	New Jersey Department of Transportation	\$ 119,761	\$ 5,960
Effect of High Tire Pressure on the Rutting Behavior of HMA Mixes for Airfield Pavements	Yusuf Mehta	Advanced Asphalt Technologies	\$ 20,625	\$ 2,543
A Study to Determine Molecular Weight and Percent SARA Components of Recovered RAP Binders and a Waste Derived Rejuvenator	Yusuf Mehta	RAP Technologies LLC	\$ 5,000	-
A Study to Determine Degree of Blending Based on SARA Components and Molecular weight of Blended Binder (PHASE 1)	Yusuf Mehta	Green Asphalt Technologies, LLC	\$ 2,000	-
Rejuvenating Agents with RAP in HMA	Yusuf Mehta	Rutgers, The State University of New Jersey	\$ 45,090	\$ 9,234
A Study to Determine Asphalt Content and Gradation of Reclaimed Asphalt Pavement Samples	Yusuf Mehta	R.E. Pierson Materials Group	\$ 3,500	-
Characterization of Fatigue Properties of Binders and Mastics at Intermediate Temperatures using Dynamic Shear	Yusuf Mehta	Research Foundation of the City University of New York	\$ 74,989	\$ 10,643

# South Jersey Technology Park Awards & Proposals

## Electrical & Computer Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Music Signals & Systems: Undisciplined Education in a Multi-Campus Setting	Linda Head	National Science Foundation	\$ 199,538	\$ 25,015
Collaborative Research: TUES: Vertical Integration of Concepts and Laboratory Experiences in Biometrics across the Four Year Electrical and Computer Engineering Curriculum	Ravi Ramachandran	National Science Foundation	\$ 356,654	\$ 53,552
Syngas Production by Thermochemical Conversion of H-20 and CO-2 Mixtures using a Novel Reactor Design	Robert Krchnavek	Advanced Cooling Technologies	\$ 50,000	\$ 16,950
Development of a Virtual Green School Simulation in the Rowan University CAVE	Shreekanth Mandayam	Educational Information and Resource Center	\$ 20,390	\$ 4,377
Android Mapping Project	John Schmalzel	U.S. Army Communications-Electronics Research, Development and Engineering Center	\$ 10,000	\$ 741

## Mechanical Engineering

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Hope Creek Power Plant and Cooling Tower Simulation	Thomas Merrill	Naval Air Warfare Center	\$ 6,480	\$ 480
Water Brake Pressure Sensing	Thomas Merrill	Naval Air Warfare Center	\$ 5,499	\$ 408

## Proposals

### Chemical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Optimization of Three Dimensional Solar Cells	Kevin Dahm	Helios	\$ 2,500
Recycle of Spent Scrubber Solutions	Robert Hesketh	Johnson Matthey	\$ 20,000
Greener Alternatives to Processing Cementation Liquor	Robert Hesketh	Johnson Matthey	\$ 20,000

### Mechanical Engineering

Title	Project Investigator	Sponsor	Requested Amount
Multiscale Modeling, Optimization, and Fabrication of Next Generation Magnetorheological Materials	Paris Von Lockette	National Science Foundation	\$ 380,809
Multifunctional Origami Structures- Advancing the Frontier of Active Compliant Mechanisms	Paris Von Lockette	Pennsylvania State University	\$ 279,861
Multi-field Responsive Origami Structures-Active Compliant Mechanisms for Reconfigurable Aerospace Structures	Paris Von Lockette	Pennsylvania State University	\$ 317,019
Water Brake Pressure Sensing	Thomas Merrill	Naval Air Warfare Center	\$ 5,499
Hope Creek Power Plant and Cooling Tower Simulation	Thomas Merrill	Naval Air Warfare Center	\$ 6,480

# South Jersey Technology Park Proposals

## Civil and Environmental Engineering

Title	Project Investigator	Sponsor	Requested Amount
Effect of High Tire Pressure on the Rutting Behavior of HMA Mixes for Airfield Pavements	Yusuf Mehta	Advanced Asphalt Technologies	\$ 20,625
A Study to Determine Molecular Weight and Percent SARA Components of Recovered RAP Binders and a Waste Derived Rejuvenator	Yusuf Mehta	RAP Technologies LLC	\$ 5,000
A Study to Determine Degree of Blending Based on SARA Components and Molecular weight of Blended Binder (PHASE 1)	Yusuf Mehta	Green Asphalt Technologies, LLC	\$ 2,000
HMA Pay Adjustment	Yusuf Mehta	New Jersey Department of Transportation	\$ 246,598
A Study to Determine Asphalt Content and Gradation of Reclaimed Asphalt Pavement Samples	Yusuf Mehta	R.E. Pierson Materials Group	\$ 3,500
Characterization of Fatigue Properties of Binders and Mastics at Intermediate Temperatures Using Dynamic Shear Rheometer	Yusuf Mehta	Research Foundation of the City University of New York	\$ 74,989
Appropriate Implementation of Pavement Preservation Treatments	Yusuf Mehta	New Jersey Department of Transportation	\$ 118,137
Improved Performance of Reclaimed Asphalt Pavement Mixes	Yusuf Mehta	Villanova University	\$ 14,374

## Electrical & Computer Engineering

Title	Project Investigator	Sponsor	Requested Amount
Optimization and Cost Analysis of Solar Installations	Robert Krchnavek	Zongyi Solar USA, Inc.	\$ 30,000
NJ Industrial Assessment Center for Training of Energy Use Analysts	Ying (Gina) Tang	New Jersey Institute of Technology	\$ 111,597
EXP: Adaptive Virtual Reality Game System Enabling Personalized Problem-Based Learning with Cognitive and Metacognitive Strategies	Ying (Gina) Tang	National Science Foundation	\$ 550,000
Learning from Initially Labeled Streaming and Nonstationary Environments	Robi Polikar	National Science Foundation	\$ 272,037
The Application of a nanoporous Metal Oxide Layer to Suppress Catalyst Sintering	Robert Krchnavek	Advanced Cooling Technologies	\$ 35,000
Development of a Virtual Green School Simulation in the Rowan University CAVE	Shreekanth Mandayam	Educational Information and Resource Center	\$ 20,390
Android Mapping Project	John Schmalzel	U.S. Army Communications-Electronics Research, Development and Engineering Center	\$ 10,000
RFDF Sensor Development - Accuracy Considerations	Robert Krchnavek	CACI Inc.	\$ 10,000
Combined RF/IR Data Correlation	Robert Krchnavek	Advanced Cooling Technologies	\$ 30,000
Entrepreneurial Development Project	John Schmalzel	National Collegiate Inventors & Innovators Alliance	\$ 7,685

# College of Fine & Performing Arts Proposals

College of Fine and Performing Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Art Gallery</b>	1	\$ 30,000	0	\$ -	\$ -
<b>Total</b>	<b>1</b>	<b>\$ 30,000</b>	<b>0</b>	<b>\$ -</b>	<b>\$ -</b>

## Art Gallery

Title	Project Investigator	Sponsor	Requested Amount
Tesla's Fire	Mary Salvante	National Endowment for the Arts	\$ 30,000



## College of Liberal Arts & Sciences Awards

College of Liberal Arts and Sciences					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Chemistry &amp; Biochemistry</b>	14	\$ 2,460,147	7	\$ 82,520	\$ 1,063,923
<b>Computer Science</b>	5	\$ 831,843	2	\$ 41,813	\$ 149,290
<b>Geography &amp; Environment</b>	6	\$ 295,109	5	\$ 4,579	\$ 90,385
<b>Mathematics</b>	5	\$ 1,292,787	4	\$ 123,342	\$ 1,702,400
<b>Physics &amp; Astronomy</b>	4	\$ 1,009,979	6	\$ 136,899	\$ 498,627
<b>Psychology</b>	4	\$ 414,179	1	\$ 7,308	\$ 37,983
<b>Dean's Office</b>	1	\$ 30,000	1	\$ -	\$ 30,000
<b>English</b>	1	\$ 18,699	0	\$ -	\$ -
<b>History</b>	2	\$ 280,458	0	\$ -	\$ -
<b>Sociology &amp; Anthropology</b>	1	\$ 19,466	0	\$ -	\$ -
<b>Total</b>	<b>43</b>	<b>\$ 6,652,667</b>	<b>26</b>	<b>\$ 396,461</b>	<b>\$ 3,572,608</b>

### Chemistry & Biochemistry

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Molecular Modeling and Optimization of Anti-Prostate Cancer Drugs	Cathy Yang	DNJ Pharma Inc.	\$ 200,000	\$ 8,160
Analysis of Pyridine Analogs	Cathy Yang	Colonial Chemical Company	\$ 10,000	\$ -
Novel Sustainable Energy Resources	K. Ramanujachary	NATCO Pharmaceuticals	\$ 296,757	\$ 26,978
Production of Modified CCK-8 Peptides and Peptide-Chelator Complexes	Subash Jonnalagadda	Rose Pharmaceuticals, LLC	\$ 60,000	\$ 7,500
Synthesis of Pharmaceutical Compounds	Subash Jonnalagadda	Avante Pharmaceuticals	\$ 60,000	\$ 7,500
Synthesis of Furan-Dicarboxylic acid (FDCA) from Furan Derivatives using Proprietary metal Oxides with Spinel-like Structure as catalysts	Amos Mugweru	NATCO Pharmaceuticals	\$ 247,497	\$ 18,333
Novel Boron Based Liquid Hydrogen Storage Materials for Alternative Energy Applications	Subash Jonnalagadda	NATCO Pharmaceuticals	\$ 189,669	\$ 14,049

### Computer Science

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
iPhone App Development for Detection	Adrian Rusu	Leisher Family Fund	\$ 5,600	\$ -
Learning Algorithm Design: A Project-Based Curriculum	Andrea Lobo	National Science Foundation	\$ 143,690	\$ 41,813

# College of Liberal Arts & Sciences Awards

## Geography & Environment

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Analyzing County Zoning Patterns in New Jersey for Buildout	John Hasse	Fair Share Housing Center	\$ 2,000	\$ -
GIS Internship Program Phase II	John Hasse	NJ Dept. of Military and Veteran Affairs	\$ 55,441	\$ 4,107
New Alliance Start-Up Grant	Katrinka Somdahl-Sands	National Geographic Education Foundation	\$ 15,000	\$ -
GIS Internship Program Phase II	John Hasse	NJ Dept. of Military and Veteran Affairs	\$ 7,944	\$ 472
NJ Green Municipal Asset Profiler	John Hasse	Green Map System	\$ 10,000	\$ -

## Mathematics

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Articulation of Content, Expectations, and Standards in Math and Sciences	Karen Heinz	NJ Department of Education	\$ 592,000	\$ 43,852
Articulation of Content, Expectations, and Standards in Math and Sciences	Karen Heinz	NJ Department of Education	\$ 710,400	\$ 52,622
Articulation of Content, Expectations, and Standards in Math and Sciences	Karen Heinz	NJ Department of Education	\$ 50,000	\$ 3,704
IMPACT	Janet Caldwell	NJ Department of Education	\$ 350,000	\$ 23,164

## Physics and Astronomy

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Measuring Ice Abundances in Martian Clouds	David Klassen	National Science Foundation	\$ 92,301	\$ 31,573
Smart-Design of Tunable Nanomaterials for Enhancing Radiation Therapy	Tabbatha Dobbins	NJ Space Grant Consortium	\$ 8,000	\$ -
Coupled Atom-Polar Molecule Condensate System: A Theoretical Adventure	Hong Ling	Department of the Army	\$ 58,279	\$ 20,398
CAREER (transfer): Enhancing Atomic Mobility and Desorption	Tabbatha Dobbins	National Science Foundation	\$ 269,168	\$ 64,530
Support of the 2012 Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	N.J. Space Grant Consortium	\$ 12,600	\$ -
Coupled Atom-Polar Molecule Condensate System: A Theoretical Adventure (year 2)	Hong Ling	Department of the Army	\$ 58,279	\$ 20,398

## Psychology

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
CRAFT for Parents of Adolescents	Mary Louise Kerwin	Treatment Research Institute	\$ 37,983	\$ 7,308

## Dean's Office

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Megan M. Giordano Fellowship	Parviz Ansari	Gloucester County Parks & Recreation	\$ 30,000	\$ -

# College of Liberal Arts & Sciences Proposals

## Chemistry and Biochemistry

Title	Project Investigator	Sponsor	Requested Amount
Purification & Characterization of Urushiol	Catherine Yang	Allergy and Asthma of South Jersey Research Foundation	\$ 7,000
Dual Function Drug Design	Catherine Yang	National Science Foundation	\$ 355,000
Lithium Ion Solvation, Transportation, and Deposition in Conventional and Designed Ionic Liquids	Lei Yu	National Science Foundation	\$ 242,825
Novel Sustainable Energy Resources	Kandalam Ramanujachary	NATCO	\$ 296,757
Understanding the Competitive Complexation of Metal Ions by Amyloidogenic Peptides and Chelator Drugs	Timothy Vaden	Research Corporation For Science Advancement	\$ 35,000
Electrochemical Reduction of Carbon Dioxide in Designed Ionic Liquid Catalysts	Lei Yu	National Science Foundation	\$ 196,078
Analysis of Pyridine Analogs	Catherine Yang	Colonial Chemical Company	\$ 10,000
Production of Modified CCK-8 Peptides and Peptide-Chelator Complexes	Subash Jonnalagadda	Rose Pharmaceuticals, LLC	\$ 60,000
Synthesis of Pharmaceutical compounds	Subash Jonnalagadda	Avante Pharmaceuticals	\$ 60,000
Acquisition of 300 MHz NMR Spectrometer for Use in Undergraduate Chemistry Research and Education	Subash Jonnalagadda	National Science Foundation	\$ 346,000
Quantitative Determination Methods of Gold Nanoparticles in Biological Systems	Lei Yu	National Science Foundation	\$ 292,602
Synthesis of FCDA	Amos Mugweru	NATCO	\$ 247,497
Novel Boron Based Liquid Hydrogen Storage Materials for Alternative Energy Applications	Subash Jonnalagadda	NATCO	\$ 189,669
Laboratory-Scale Evaluation of Hydrogen Evolution Reaction Photocatalytic Materials	Timothy Vaden	NATCO	\$ 121,719

## Computer Science

Title	Project Investigator	Sponsor	Requested Amount
CS Labs to Teach the Scientific Method	Jennifer Kay	SIGCSE	\$ 4,040
Facilitating Academic Triumph by Providing an Integrated Pipeline Experience (FATPIPE)	John Robinson	National Science Foundation	\$ 597,552
Learning Algorithm design: A Project-Based Curriculum	Andrea Lobo	National Science Foundation	\$ 143,690
The Calico Project	Jennifer Kay	National Science Foundation	\$ 80,961
iPhone App Development for Detection	Adrian Rusu	Leisher Family Fund	\$ 5,600

# College of Liberal Arts & Sciences Proposals

## Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
Megan M. Giordano Fellowship	Parviz Ansari	Gloucester County Parks & Recreation	\$ 30,000

## English

Title	Project Investigator	Sponsor	Requested Amount
Why Do We Laugh? Laughter and Humor Theory	Timothy Viator	National Endowment for the Humanities	\$ 18,699

## Geography & Environment

Title	Project Investigator	Sponsor	Requested Amount
GIS Internship Program	John Hasse	NJ Dept. of Military and Veteran Affairs	\$ 55,441
GIS Internship Program	John Hasse	NJ Dept. of Military and Veteran Affairs	\$ 7,945
New Alliance Start-Up Grant	Katrinka Somdahl-Sands	National Geographic Society	\$ 15,000
New Jersey Geographic Alliance	Katrinka Somdahl-Sands	National Geographic Society	\$ 34,000
NJ Green Municipal Asset Profiler	John Hasse	Green Map System	\$ 10,000
Chesapeake Bay Watershed Initiative	Katrinka Somdahl-Sands	National Geographic Society	\$ 172,723

## History

Title	Project Investigator	Sponsor	Requested Amount
Our Shared Past	William Carrigan	Social Science Research Council	\$ 74,401
Strengthening East Asian Studies at Rowan University	Qingjia Wang	U.S. Department of Education	\$ 206,057

## Mathematics

Title	Project Investigator	Sponsor	Requested Amount
IMPACT	Janet Caldwell	NJ Department of Education	\$ 350,000
Paterson Public Schools Robotics	Eric Milou	Paterson Public Schools	\$ 157,800
Articulation of Content, Expectations, and Standards in Math and Science	Karen Heinz	NJ Department of Education	\$ 50,000
Articulation of Content, Expectations, and Standards in Math and Science	Karen Heinz	NJ Department of Education	\$ 710,400
Statistics Analysis of Gas Turbine Online Wash Data	Umashanger Thayasivam	Q.E.D. Systems, Inc.	\$ 24,587

# College of Liberal Arts & Sciences Proposals

## Physics & Astronomy

Title	Project Investigator	Sponsor	Requested Amount
Smart-Design of Tunable Nanomaterials for Enhancing Radiation Therapy	Tabbatha Dobbins	NJ Space Grant Consortium	\$ 8,000
Development of a Localized Field Emission Scanning Electron Microscope and Secondary Electron Spin Polarization Analysis System	Taryl Kirk	National Science Foundation	\$ 980,379
Summer Undergraduate Research Fellowship (SURF) at NIST-Boulder	Michael Lim	National Institute of Standards and Technology	\$ 9,000
Support of the 2012 Rowan Summer Research Program in Physics and Astronomy	Karen Magee-Sauer	NJ Space Grant Consortium	\$ 12,600

## Psychology

Title	Project Investigator	Sponsor	Requested Amount
Development of a Computer-Based Assessment of Blunt Affect and Alogia in Schizophrenia	Thomas Dinzeo	Louisiana State University	\$ 250,607
Parents Translational Research Center	Mary Louise Kerwin	Treatment Research Institute	\$ 37,983
Aggressive Driving Prevention Program	James Haugh	NJ Department of Law & Public Safety	\$ 76,832
Center for Behavior Analysis Services	Mary Louise Kerwin	CGS Family Partnership Inc.	\$ 48,757

## Sociology & Anthropology

Title	Project Investigator	Sponsor	Requested Amount
Learning Modules Using North American Jewish Data Bank Resources	Harriet Hartman	Wabash Center	\$ 19,466

# College of Graduate and Continuing Education Awards & Proposals

College of Graduate and Continuing Education					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	1	\$ 20,000	1	\$ -	\$ 20,000
<b>Total</b>	<b>1</b>	<b>\$ 20,000</b>	<b>1</b>	<b>\$ -</b>	<b>\$ 20,000</b>

## Awards

**Dean's Office**

Title	Project Investigator	Sponsor	Awarded Amount	Indirect Awarded
Talent Network Marketing	Horacio Sosa	New Jersey Institute of Technology	\$ 20,000	\$ -

## Proposals

**Dean's Office**

Title	Project Investigator	Sponsor	Requested Amount
Talent Network Marketing	Horacio Sosa	New Jersey Institute of Technology	\$ 20,000

# Cooper Medical School of Rowan University Awards & Proposals

Cooper Medical School of Rowan University					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	2	\$1,654,256	1	\$ 11,501	\$ 155,267
<b>Biomedical Sciences</b>	1	\$ 50,000	0	\$ -	\$ -
<b>Total</b>	<b>3</b>	<b>\$1,704,256</b>	<b>1</b>	<b>\$ 11,501</b>	<b>\$ 155,267</b>

## 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	\$ 155,267	\$ 11,501

## Proposals

### Dean's Office

Title	Project Investigator	Sponsor	Requested Amount
CMSRU Primary Care Academic Administration Unit Program	Vijay Rajput	Health Resources and Services Administration	\$ 794,975
Structured Physical Exercise in School and After Hours	Jocelyn Mitchell-Williams	National Institutes of Health	\$ 859,281

### Biomedical Sciences

Title	Project Investigator	Sponsor	Requested Amount
DNA Methylation in Epileptogenesis	Russell Buono	Children's Hospital of Philadelphia	\$ 50,000

## OFFICE STAFF

### Research & Sponsored Programs

**Shreekanth Mandayam, Ph.D.**  
Associate Provost for Research

**Karen Heiser**  
Research Secretary

**Sarah Piddington**  
Director of Sponsored Programs  
& Technology Transfer

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Assistant Director of Sponsored Programs

**Eric Gregory**  
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**Kristy Carpenter**  
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**Peggy Pedrick**  
Sponsored Programs Secretary



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