

# ANNUAL REPORT

---

2015-2016



OFFICE OF SPONSORED PROGRAMS



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## Executive Summary

During FY-2016, the Office of Sponsored Programs received grant awards totaling \$28.2M. These awards include grants and contracts from government, industry, and private sources. This also includes \$480k in grants received by the Office of Corporate and Foundation Relations within University Advancement from individuals, corporations, and foundations to support faculty scholarly activities.

FY-2016 has seen a remarkable growth in research and sponsored program activity by our faculty. Compared to the previous year, we have:

- 41% increase in external awards;
- 100% increase in the total request for funding;
- 42% increase in the number of proposals submitted.

**Since the designation of Rowan University as the newest comprehensive public research university in the State of New Jersey, we have received over \$77M in externally sponsored projects to support our faculty's scholarly and creative activities.**

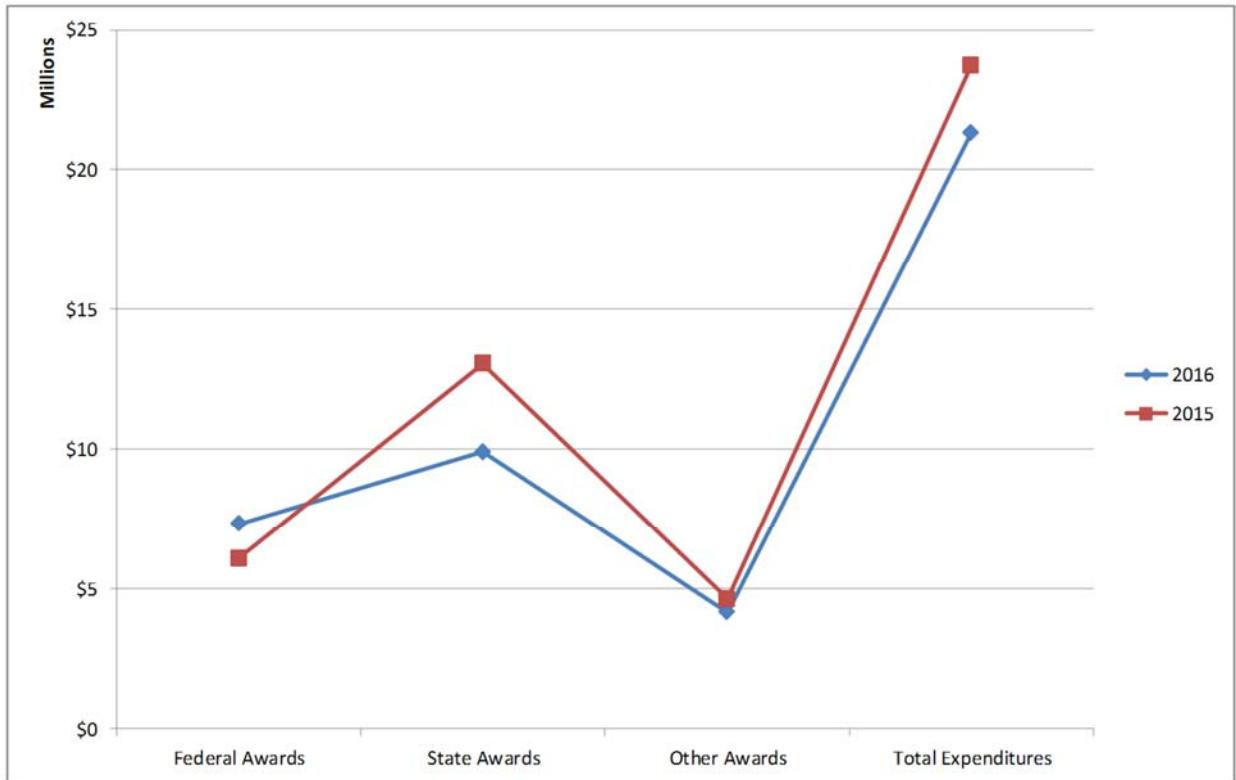
Dr. Shreekanth Mandayam  
*Vice President for Research*  
*Executive Director, South Jersey Technology Park*

## Total External Funds Raised

Unit	Office of Sponsored Programs	University Advancement	Department	
Administration	\$ 268,776	\$ -	Division of Research	
	\$ 1,724,542	\$ -	Educational Opportunity Fund	
	\$ 1,214,104	\$ 30,000	Student Affairs	
	\$ -	\$ 162,500	Global Learning & Partnerships	
	\$ -	\$ 114,814	Strategic Enrollment Management	
Rohrer College of Business	\$7,500	\$ -	\$ 7,500	Management
College of Communication and Creative Arts	\$13,018	\$ -	\$ -	Art Department
College of Education	\$ 200,000	\$ -	Dean's Office	
	\$ 220,882	\$ -	Interdisciplinary/Inclusive Education	
	\$ 25,456	\$ -	Educational Services & Leadership	
	\$ 440,000	\$ -	Center for Access, Success, & Equity	
	\$ 380,000	\$ 7,355	STEAM Education	
Henry M. Rowan College of Engineering / South Jersey Technology Park	\$ -	\$ 50,000	Dean's Office	
	\$ 580,657	\$ -	Biomedical Engineering	
	\$ 214,595	\$ -	Chemical Engineering	
	\$ 4,214,431	\$ -	Civil/Environmental Engineering	
	\$ 364,901	\$ -	Electrical/Computer Engineering	
	\$ 226,760	\$ -	Mechanical Engineering	
College of Humanities and Social Sciences	\$ 302,164	\$ 65,000	Geography & Environment	
	\$ 90,000	\$ -	Political Science & Economics	
	\$ 45,303	\$ -	History	
	\$ 511,750	\$ -	Liberal Arts & Sciences Institute	
College of Performing Arts	\$5,000	\$ -	\$ 5,000	Dean's Office
College of Science and Mathematics	\$ 40,000	\$ -	Dean's Office	
	\$ 408,470	\$ -	Biological Sciences	
	\$ 333,182	\$ -	Chemistry & Biochemistry	
	\$ 454,997	\$ -	Computer Science	
	\$ 1,648,888	\$ -	Physics and Astronomy	
	\$ 196,823	\$ -	Psychology	
	\$ -	\$ 8,000	Health and Exercise Science	
Cooper Medical School	\$ 1,972,927	\$ -	Dean's Office	
	\$ 100,501	\$ -	Biomedical Sciences	
	\$ 649,935	\$ 2,500	Multicultural Affairs	
	\$ 162,864	\$ -	Emergency Medicine	
School of Osteopathic Medicine	\$ 4,108,492	\$ -	CARES Institute	
	\$ 381,818	\$ -	Cell Biology	
	\$ 2,369,563	\$ -	NJ Institute for Successful Aging	
	\$ 439,650	\$ -	Obstetrics & Gynecology	
	\$ 25,164	\$ -	Rehabilitation Medicine	
	\$ 309,070	\$ -	Pathology	
	\$ 331,720	\$ -	Psychiatry	
	\$ 199,993	\$ -	Surgery	
	\$ 30,017	\$ -	Internal Medicine	
	\$ 636,300	\$ -	Molecular Biology	
	\$ 787,306	\$ -	Developmental Disabilities	
	\$ 169,650	\$ 30,000	Graduate Medical Education	
	\$ 973,000	\$ -	Family Medicine	
<b>TOTAL</b>	<b>\$ 28,250,339</b>	<b>\$ 27,767,670</b>	<b>\$ 482,669</b>	

# Research Expenditures

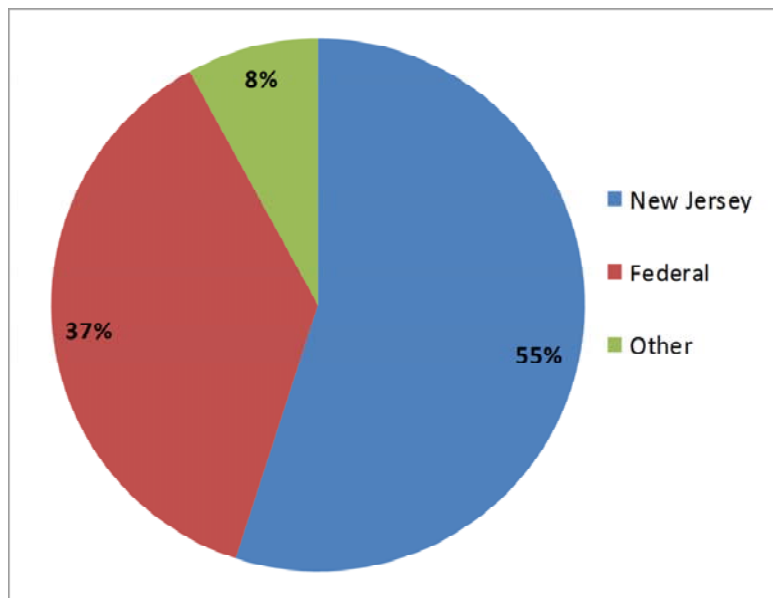
	2016 Expenditures	2015 Expenditures	Comparison
<b>Federal Awards</b>	\$ 7,314,568.07	\$ 6,065,373.47	\$ 1,249,194.60
<b>State Awards</b>	\$ 9,884,297.51	\$ 13,043,294.73	\$ (3,158,997.22)
<b>Other Awards</b>	\$ 4,131,009.64	\$ 4,621,577.97	\$ (490,568.33)
<b>Total Expenditures</b>	\$ 21,329,875.22	\$ 23,730,246.17	\$ (2,400,370.95)



# Total Grant Activity

Unit	PROPOSALS		AWARDS				
	#	Amount	#	Indirect	Award Totals		
Administration	16	\$ 3,258,930	14	\$ 58,815	\$ 3,514,738		
Rohrer College of Business	3	\$ 24,925	1	\$ -	\$ 7,500		
College of Communication and Creative Arts	7	\$ 359,812	1	\$ 4,040	\$ 13,018		
School of Earth and Environment	4	\$ 751,863	-	\$ -	\$ -		
College of Education	27	\$15,187,721	9	\$ 63,043	\$ 1,273,693		
Henry M. Rowan College of Engineering/SJTP	94	\$35,438,476	33	\$1,136,065	\$ 5,651,343		
College of Humanities and Social Sciences	16	\$ 2,659,551	8	\$ 76,290	\$ 1,014,217		
College of Performing Arts	3	\$ 39,500	1	\$ -	\$ 5,000		
College of Science and Mathematics	86	\$14,159,664	26	\$ 480,947	\$ 3,090,360		
Cooper Medical School of Rowan University	24	\$ 6,663,201	9	\$ 111,478	\$ 2,888,727		
School of Osteopathic Medicine	81	\$58,691,943	27	\$ 530,703	\$ 10,791,743		
<b>TOTAL</b>			<b>361</b>	<b>\$137,235,586</b>	<b>129</b>	<b>\$2,461,381</b>	<b>\$ 28,250,339</b>

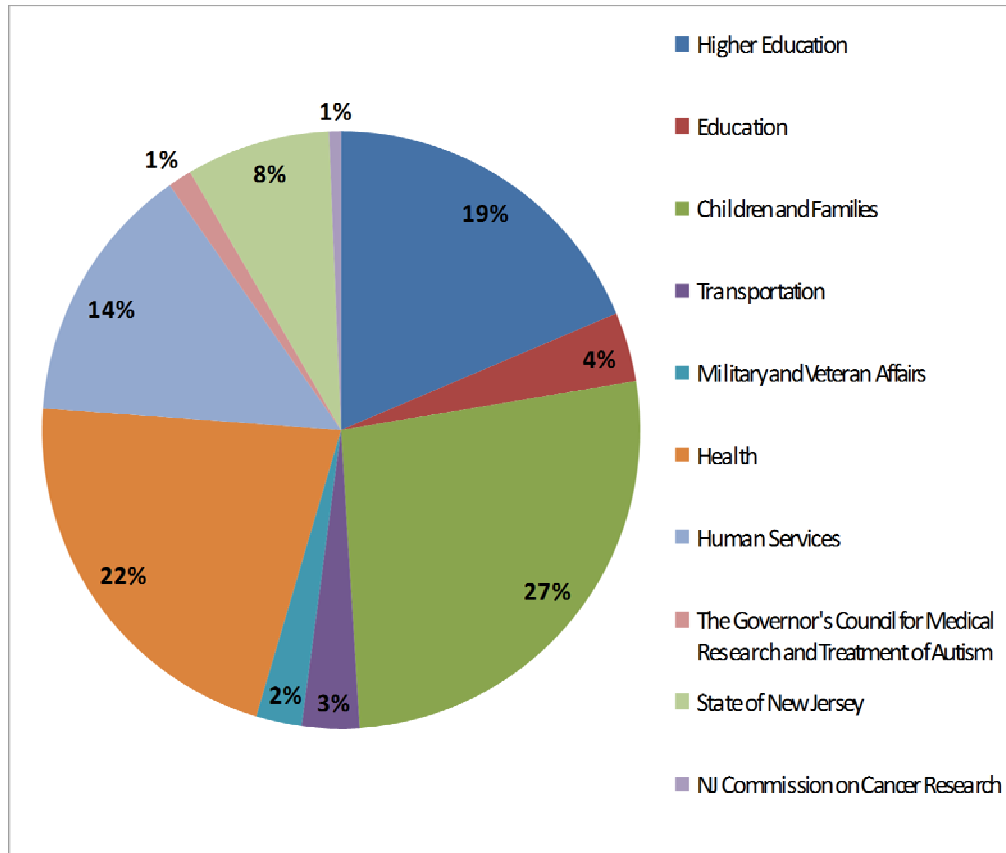
## All Funding Sources



Awarded Sources	Number	Amount
New Jersey	36	\$ 15,482,300
Federal	42	\$ 10,303,168
Other	51	\$ 2,464,870
<b>Total</b>	<b>129</b>	<b>\$ 28,250,338</b>

# New Jersey Sponsored Grant Activity

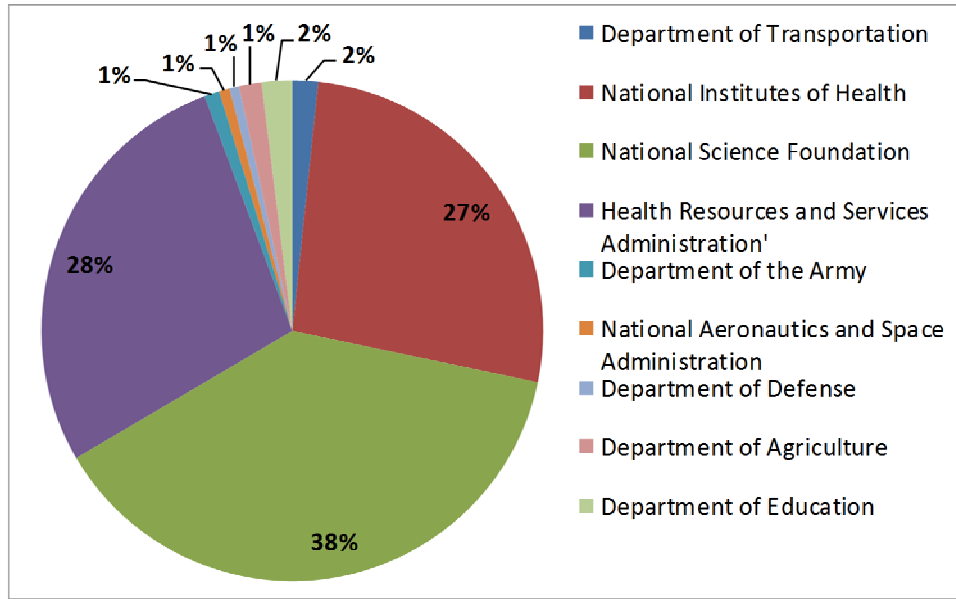
## NJ Funding Sources



New Jersey Sponsors	Number	Amount
Department of Children & Families	2	\$ 4,108,492
Department of Education	2	\$ 580,000
Department of Health	10	\$ 3,329,936
Department of Higher Education	7	\$ 2,874,033
Department of Human Services	5	\$ 2,179,078
Department of Military and Veteran Affairs	4	\$ 380,983
Department of Transportation	2	\$ 479,482
Gloucester County Parks & Recreation	1	\$ 45,303
Governor's Council for Medical Research & Treatment of Autism	1	\$ 199,993
NJ Commission on Cancer Research	1	\$ 100,000
NJ State Council on the Arts	1	\$ 5,000
State of New Jersey	1	\$ 1,200,000
<b>Total</b>	<b>37</b>	<b>\$ 15,482,300</b>

# Federally Sponsored Grant Activity

## Federal Funding Sources



Federal Sponsors	Number	Amount
Department of Agriculture	1	\$ 150,000
Department of the Army	1	\$ 100,000
Department of Defense	1	\$ 62,500
Department of Education	1	\$ 200,931
Department of Transportation	2	\$ 169,899
Department of Veterans Affairs	1	\$ 22,000
Environmental Protection Agency	1	\$ 18,750
Health Resources and Services Administration	5	\$ 2,852,695
National Aeronautics and Space Administration	4	\$ 70,000
National Institutes of Health	15	\$ 2,734,055
National Science Foundation	10	\$ 3,922,338
<b>Total</b>	<b>42</b>	<b>\$ 10,303,168</b>



## Other Activity

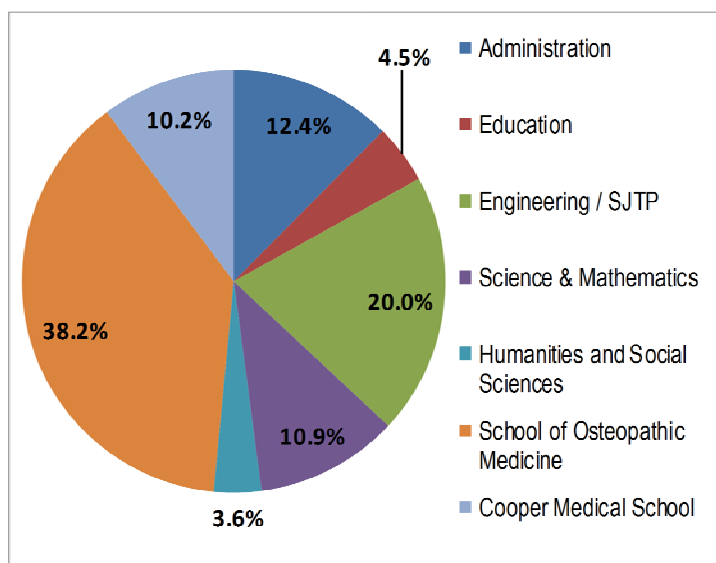
Other	Number*	Amount
AbbVie Inc	CT	\$ 2,400
Acorda	CT	\$ 16,774
American Aerospace Technologies, Inc.	1	\$ 6,250
American Cancer Society	1	\$ 163,500
American Water	1	\$ 94,500
AT&T	1	\$ 40,000
Avante Pharmaceuticals	1	\$ 10,000
Bayer Healthcare Pharmaceuticals	CT	\$ 7,157
Biogen	CT	\$ 1,500
Boye Foundation	2	\$ 39,800
Bristol-Myers Squibb	1	\$ 39,997
Channel Therapeutics Inc.	1	\$ 62,479
Christian and Mary Lindbeck Foundation	1	\$ 30,000
Daiichi Sankyo	CT	\$ 22,592
Dolfinger-McMahon Foundation	1	\$ 2,500
EMD Serono	CT	\$ 4,586
Forman S. Acton Educational Foundation	2	\$ 107,415
Genesis Packing Technologies	1	\$ 10,000
Geraldine R. Dodge Foundation	1	\$ 65,000
Guava Medicine	1	\$ 99,999
Ipsen BioPharmaceuticals	CT	\$ 1,667
Janssen Pharmaceuticals	CT	\$ 237
Johnson Matthey	3	\$ 105,545
The Leon and Toby Cooperman Family Foundation	1	\$ 114,814
Marz Pharmaceuticals	CT	\$ 905
Mission Solutions Engineering	1	\$ 75,000
National Association of School Psychologists	1	\$ 22,000
National Geographic Society	1	\$ 27,500
New Jersey Health Foundation, Inc.	11	\$ 395,718
NJ Council of County Colleges	1	\$ 1,041
Pegeron LLC	1	\$ 3,667
Perka, Inc.	2	\$ 340,000
Perma Pure, LLC	3	\$ 49,325
PSEG Nuclear, LLC	1	\$ 50,000
Rowan-Rutgers Joint Board	1	\$ 10,600
Sekisui Chemical Co., Ltd.	1	\$ 301,197
Serenity Enterprise, LLC	1	\$ 43,850
St. Jude Medical Foundation	1	\$ 30,000
State Farm	1	\$ 8,000
TD Charitable Trust	2	\$ 25,000
Teligent, Inc.	1	\$ 25,000
The Woodrow Wilson National Fellowship Foundation	1	\$ 7,355
<b>TOTAL</b>	<b>51</b>	<b>\$ 2,464,870</b>

\*CT = Clinical Trial

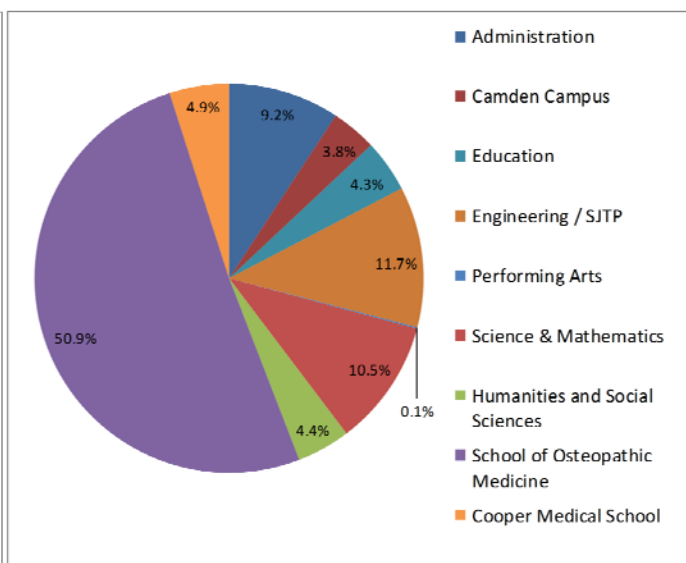


# Unit Comparison Data

## FY 16 Percentage of Awards by Unit



## FY 15 Percentage of Awards by Unit



Units	Percentage of Total Awards		Percentage of Total Proposals	
	FY16	FY15	FY16	FY15
Administration	12.4%	9.2%	4.4%	3.5%
Camden Campus	0.0%	3.8%	0.0%	0.8%
Rohrer College of Business	0.0%	0.0%	0.8%	1.2%
College of Communication & Creative Arts	0.0%	0.0%	1.9%	0.3%
School of Earth and Environment	0.0%	N/A	1.1%	N/A
College of Education	4.5%	4.3%	7.5%	8.6%
Henry M. Rowan College of Engineering / SJTP	20.0%	11.7%	26.0%	25.2%
College of Humanities and Social Sciences	3.6%	4.4%	4.4%	2.5%
College of Performing Arts	0.0%	0.1%	0.8%	0.5%
College of Science & Mathematics	10.9%	10.5%	23.8%	17.1%
Cooper Medical School of Rowan University	10.2%	4.9%	6.6%	10.5%
School of Osteopathic Medicine	38.2%	50.9%	22.4%	29.9%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

## Unit Comparison Data

UNITS	AWARDS		PROPOSALS	
	FY16	FY14	FY15	FY14
Administration	14 \$3,514,738	11 \$1,887,676	16 \$3,258,930	11 \$2,245,867
Camden Campus	0 \$0	8 \$769,619	0 \$0	5 \$496,304
Rohrer College of Business	1 \$7,500	0 \$0	3 \$24,925	2 \$771,550
College of Communication & Creative Arts	1 \$13,018	1 \$10,000	7 \$359,812	2 \$200,021
School of Earth and Environment	0 \$0	N/A N/A	4 \$751,863	N/A N/A
College of Education	9 \$1,273,693	6 \$887,829	27 \$15,187,721	18 \$5,424,830
Henry M. Rowan College of Engineering / SJTP	33 \$5,651,343	20 \$2,389,964	94 \$35,438,476	65 \$15,937,749
College of Humanities and Social Sciences	8 \$1,014,217	12 \$906,795	16 \$2,659,551	13 \$1,558,242
College of Performing Arts	1 \$5,000	2 \$25,000	3 \$39,500	4 \$306,000
College of Science & Mathematics	26 \$3,090,360	27 \$2,147,340	86 \$14,159,664	66 \$10,821,154
Cooper Medical School of Rowan University	9 \$2,888,727	7 \$1,006,060	24 \$6,663,201	16 \$6,621,410
School of Osteopathic Medicine	27 \$10,791,743	47 \$10,402,502	81 \$58,691,943	52 \$18,908,055
<b>Total Number</b>	<b>129</b>	<b>141</b>	<b>361</b>	<b>254</b>
<b>Total Amount</b>	<b>\$28,250,339</b>	<b>\$20,432,785</b>	<b>\$137,235,586</b>	<b>\$63,291,182</b>

# Administration Awards & Proposals

Administration					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Division of Research	-	\$ -	1	\$ -	\$ 268,776
Educational Opportunity Fund	2	\$ 1,724,543	2	\$ -	\$ 1,724,543
VR Lab	1	\$ 60,581	-	\$ -	\$ -
Student Affairs	4	\$ 1,012,411	7	\$ 58,815	\$ 1,244,104
Health Sciences	1	\$ 20,000	-	\$ -	\$ -
Academic Success Center	1	\$ 4,895	-	\$ -	\$ -
International Center	1	\$ 240,000	-	\$ -	\$ -
Strategic Enrollment Management	-	\$ -	1	\$ -	\$ 114,815
Global Learning and Partnerships	3	\$ 170,000	3	\$ -	\$ 162,500
University Library Services	2	\$ 16,000	-	\$ -	\$ -
Analytics, Systems, & Applications	1	\$ 10,500	-	\$ -	\$ -
<b>Total</b>	<b>16</b>	<b>\$ 3,258,930</b>	<b>14</b>	<b>\$ 58,815</b>	<b>\$ 3,514,738</b>

## Awards

### Division of Research

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Institutional Review Board Review of Human Subjects Research	Murthy, Sree	NJ Department of Health	\$ 268,776	\$ -

### Educational Opportunity Fund

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
EOF FY17 - Glassboro	McPherson-Barnes, Penny	New Jersey Higher Education	\$ 1,269,853	\$ -
EOF FY17 - Camden	McPherson-Barnes, Penny	New Jersey Higher Education	\$ 454,690	\$ -

### Global Learning and Partnerships

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan University STEAM Academy	Yanek, Kelly	AT&T	\$ 40,000	\$ -
STEAM Academy	Yanek, Kelly	Forman S. Acton Educational Foundation	\$ 105,000	\$ -
STEAM Academy	Yanek, Kelly	TD Charitable Foundation	\$ 17,500	\$ -

### Academic Success Center

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
CHAMP/GEAR UP Capacity Building	Jones, Richard	New Jersey Higher Education	\$ 27,428	\$ 2,032
GEAR UP FY16	Jones, Richard	New Jersey Higher Education	\$ 558,429	\$ 41,365
College Bound FY16	Jones, Richard	New Jersey Higher Education	\$ 386,771	\$ -
CHAMP/GEAR UP at Rowan-Camden	Wigfall, Winona	Christian and Mary Lindback Foundation	\$ 30,000	\$ -
2016 GEAR UP National Conference	Jones, Richard	New Jersey Higher Education	\$ 7,212	\$ 534
Upward Bound for English Language	Olivencia, Margie	US Department of Education	\$ 200,931	\$ 14,884
Improving Healthcare to Veteran Student in South Jersey. Sustainable education, outreach and wellness for veteran students	Woodside, Scott	NJ Department of Health	\$ 33,333	\$ -

### Student Enrollment Management

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Cooperman Scholars Summer Program	Alexander, Janelle	The Leon and Toby Cooperman	\$ 114,815	\$ -

# Administration Proposals

## Educational Opportunity Fund

Title	Principal Investigator	Sponsor	Requested Amount
EOF FY17 - Glassboro	McPherson-Barnes, Penny	New Jersey Higher Education	\$ 1,269,853
EOF FY17 - Camden	McPherson-Barnes, Penny	New Jersey Higher Education	\$ 454,690

## Virtual Reality Lab

Title	Principal Investigator	Sponsor	Requested Amount
Visualization of Rotorcraft Safety within a CAVE Virtual Reality Environment	Lecakes, George	Federal Aviation Administration	\$ 60,581

## Student Affairs

Title	Principal Investigator	Sponsor	Requested Amount
FY 15 CHAMP/GEAR UP	Wigfall, Winona	New Jersey Higher Education	\$ 945,200
Improving Healthcare to Veteran Student in South Jersey. Sustainable education, outreach and wellness for veteran students	Woodside, Scott	NJ Department of Health	\$ 50,000
The Road to Success: Exploring a Pilot Program Designed to Support Specially Admitted Student-Athletes	Hendricks, Sean	National Collegiate Athletic Association	\$ 10,000
2016 GEAR UP National conference Activity	Wigfall, Winona	New Jersey Higher Education	\$ 7,211

## Global Learning and Partnerships

Title	Principal Investigator	Sponsor	Requested Amount
STEAM Academy	Yanek, Kelly	TD Charitable Foundation	\$ 25,000
STEAM Academy	Yanek, Kelly	Forman S. Acton Educational Foundation	\$ 105,000
Rowan University STEAM Academy	Yanek, Kelly	AT&T	\$ 40,000

## Health Sciences

Title	Principal Investigator	Sponsor	Requested Amount
Optimal Phototherapy Wavelength to Reduce Free Bilirubin Levels: In Vitro and In Vivo studies	Rosen, Arye	Rutgers, The State University of New Jersey	\$ 20,000

## International Center

Title	Principal Investigator	Sponsor	Requested Amount
Rowan University Talent Search Program in Camden	Olivencia, Margarita	US Department of Education	\$ 240,000

## University Library Services

Title	Principal Investigator	Sponsor	Requested Amount
Preservation Assistance Grants for Smaller Institutions	Altermatt, Rebecca	National Endowment for the Arts	\$ 6,000
Preservation and partial digitization of Frank H. Stewart Collection at Rowan University	Altermatt, Rebecca	New Jersey Historical Commission	\$ 10,000

## Academic Success Center

Title	Principal Investigator	Sponsor	Requested Amount
College Prep Transition Series	Woodruff, John	Autism Speaks Inc	\$ 4,895

## Analytics, Systems and Applications

Title	Principal Investigator	Sponsor	Requested Amount
Habitat Change Analysis Program (2012 Phase)	Reiser, John	NJ Department of Environmental Protection	\$ 10,500

# Rohrer College of Business Awards & Proposals

Rohrer College of Business					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	2	\$ 9,925	-	\$ -	\$ -
<b>Management</b>	1	\$ 15,000	1	\$ -	\$ 7,500
<b>Total</b>	<b>3</b>	<b>\$ 24,925</b>	<b>1</b>	<b>\$ -</b>	<b>\$ 7,500</b>

## Awards

### Management

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Think Like an Entrepreneur Boot Camp	Lehrman, Susan	TD Charitable Bank	\$ 7,500	\$ -

## Proposals

### Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Integrating "Giving Voice to Values" into the Rowan University Rohrer College of Business Undergraduate Curriculum	Lehrman, Susan	Procter Gamble	\$ 4,925
Pilot to Launch an Online Professional Development Module for Undergraduate Rowan University Rohrer College of Business Students	Lehrman, Susan	Procter Gamble	\$ 5,000

### Management

Title	Principal Investigator	Sponsor	Requested Amount
Think Like an Entrepreneur Boot Camp	Lehrman, Susan	TD Charitable Bank	\$ 15,000

# College of Communication & Creative Arts

## Awards & Proposals

College of Communication and Creative Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Art Gallery	2	\$ 105,000	-	\$ -	\$ -
Public Relations/Advertising	3	\$ 254,812	-	\$ -	\$ -
Art Department	2	\$ -	1	\$ 4,040	\$ 13,018
<b>Total</b>	<b>7</b>	<b>\$ 359,812</b>	<b>1</b>	<b>\$ 4,040</b>	<b>\$ 13,018</b>

### Awards

#### Art Department

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Clinical Trail of Decision Support for End of Life Care Among Surrogate Decision Makers of the Chronically Critically Ill, Interactive association/ simulation	Almon, Amanda	Case Western Reserve University (Prime: National Institutes of Health)	\$ 13,018	\$ 4,040

### Proposals

#### Art Gallery

Title	Principal Investigator	Sponsor	Requested Amount
Rowan Art Gallery General Support	Salvante, Mary	NJ State Council on the Arts	\$ 90,000
Edible Logistics: How Food Moves	Salvante, Mary	The Andy Warhol Foundation for the Visual Arts	\$ 15,000

#### Art

Title	Principal Investigator	Sponsor	Requested Amount
Use of Digital Technologies in Art Teaching and their Teaching Effectiveness (Letter of Intent)	Wang, Tingting	George Diana Allen Family Foundation	\$ -
Professional Development for Art Teachers through Online Technology and Community (Letter of Intent)	Wang, Tingting	National Art Education Foundation	\$ -

#### Public Relations/Advertising

Title	Principal Investigator	Sponsor	Requested Amount
Collaborative Research: Unified Data-driven and Social Psychology Models for High-tech Start-up Organizations	Park, Sun Young	National Science Foundation	\$ 152,811
RIDIR:Collaborative Research:Longitudinal Collection and Analysis of Massive Network Graphs for Social Science Research	Park, Sun Young	National Science Foundation	\$ 100,001
Ethics in the Digital Age	Novak, Allison	The Arthur W. Page Center	\$ 2,000



# School of Earth and Environment Proposals

School of Earth and Environment					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	3	\$ 719,800	-	\$ -	\$ -
Fossil Park	1	\$ 32,063	-	\$ -	\$ -
<b>Total</b>	<b>4</b>	<b>\$ 751,863</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>

## Proposals

### Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Hiding in Plain Sight: Exploring Microfossils at Rowan University Fossil Park	Lacovara, Kenneth	National Geographic Committee for Research and Exploration	\$ 19,800
GEO Opportunities for Leadership in Diversity	Lacovara, Kenneth	National Science Foundation	\$ 400,000
Rowan DIGS: Developing Innovative Gateways to STEM	Lacovara, Kenneth	National Science Foundation	\$ 300,000

### Fossil Park

Title	Principal Investigator	Sponsor	Requested Amount
Warehouse to Schoolhouse: A place to explore deep time and inspire the next generation in Lowe's backyard - adaptive re-use of an 80-year-old facility for STEM education at the Rowan University Fossil Park	Simmons, Heather	Lowe's Charitable and Education Foundation	\$ 32,063

# College of Education Awards & Proposals

College of Education					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	1	\$ 7,355	2	\$ 14,815	\$ 200,000
<b>Interdisciplinary/Inclusive Education</b>	8	\$2,758,514	1	\$ 20,080	\$ 220,882
<b>STEAM Education</b>	3	\$ 579,927	2	\$ 28,148	\$ 387,355
<b>Educational Services and Leadership</b>	9	\$3,645,452	3	\$ -	\$ 25,456
<b>Center for Access, Success, and Equity</b>	2	\$5,417,553	1	\$ -	\$ 440,000
<b>Language, Literacy, &amp; Sociocultural Education</b>	4	\$2,778,920	-	\$ -	\$ -
<b>Total</b>	<b>27</b>	<b>\$15,187,721</b>	<b>9</b>	<b>\$ 63,043</b>	<b>\$ 1,273,693</b>

## Awards

### Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
The Beginning Teacher Project: Building Capacity and Professional Learning	Vernon-Dotson, Lisa	NJ Department of Education	\$200,000	\$ 14,815

### Educational Services and Leadership

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
National Association of School Psychologists Standards Revision - Graduate Assistant	Bole-Williams, Barbara	National Association of School Psychologists	\$ 22,000	\$ -
NJCCC College Readiness Now II Reporting Template Development	Kerrigan, Monica	NJ Council of County Colleges	\$ 1,041	\$ -
Strategic Planning for the Forman S. Acton Foundation Strategic Planning Meeting Facilitation	Ieva, Kara	Forman S. Acton Educational Foundation	\$ 2,415	\$ -

### Center for Access, Success, and Equity

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan University Early Intervention Program FY17	Miller, DeMond	NJ Department of Health	\$ 440,000	\$ -

### STEAM Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
South Jersey Mathematics Ambassadors Project	Wieman, Rob	NJ Department of Education	\$ 380,000	\$ 28,148
Woodrow Wilson National Fellowship Program	Perry, Jill	Woodrow Wilson National Fellowship Program	\$ 7,355	\$ -

### Interdisciplinary and Inclusive Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Early Childhood Leadership Institute - Grow NJ Kids	Zeynep, Isik-Ercan	NJ Department of Human Services	\$ 220,882	\$ 20,080

# College of Education Proposals

## Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Rowan Mentoring Plan Cohort 1 Fellows	Perry, Jill	The Woodrow Wilson National Fellowship Foundation	\$ 7,355

## Educational Services and Leadership

Title	Principal Investigator	Sponsor	Requested Amount
Graduation Positioning Strategies (GPS) for Transfer Students	Kerrigan, Monica	US Department of Education	\$ 2,780,779
Forman S Acton: Evaluating the Effectiveness of Initiatives	Kerrigan, Monica	Forman S. Acton Educational Foundation	\$ 194,743
Developing critical, sociocultural understandings of students' science identity in economically-disadvantaged schools	Manning, Jo Ann	Spencer Foundation	\$ 50,000
Graduate Assistant Position 2014-2015 (10-month position) for the NASP Certification Board	Bole-Williams, Barbara	National Association of School of Psychologists	\$ 22,000
NJCCC College Readiness Now II Reporting Template Development	Kerrigan, Monica	New Jersey Council of County Colleges	\$ 1,041
Strategic Planning for the Forman S. Acton Foundation Strategic Planning Meeting Facilitation	Ieva, Kara	Forman S. Acton Educational Foundation	\$ 2,415
RISE-UP: A Dropout Prevention Program	Ieva, Kara	AT&T Foundation	\$ 249,999
Rebuilding Technology Infrastructure at Public Higher Education Institutions in Post-Conflict Contexts	Johnson, Ane	Carnegie Corporation of New York	\$ 339,480
Assembling Gender-Just Peace: Women Faculty and Postsecondary Educational Praxis in Zimbabwe	Johnson, Ane	International Peace Research Association Foundation	\$ 4,995

## Interdisciplinary/Inclusive Education

Title	Principal Investigator	Sponsor	Requested Amount
Enhancing Early Childhood Emotional Development after Child Abuse through a Needs Assessment Study of Vested Key Players	Edwards, Nicole	Caplan Foundation for Early Childhood	\$ 39,054
Enhancing Early Childhood Emotional Development after Child Abuse through a Needs Assessment Study of Vested Key Players	Edwards, Nicole	Charles Lafitte Foundation	\$ 5,000
Enhancing Early Childhood Emotional Development after Child Abuse through a Needs Assessment Study of Vested Key Players	Edwards, Nicole	Spencer Foundation	\$ 49,120
Early Childhood Leadership Institute - Grow NJ Kids	Isik-Ercan, Zeynep	NJ Department of Human Services	\$ 220,882
Project Estrella	Morettini, Brie	US Department of Education	\$ 2,044,962
Improving the Medical Academic Curriculum to Gain Increased Understanding of the Needs of Families of Children with Exceptionalities ( IMAGINE )	Sheppard, Mary	The Commonwealth Fund	\$ 50,000
The Beginning Teacher Project	Morettini, Brie	NJ Department of Education	\$ 200,000
Improving the Medical Academic Curriculum to Gain Increased Understanding of the Needs of Families of Children with Exceptionalities-Increasing the Efficacy of Autism Screening (IMAGINE- IAS)	Sheppard, Mary	National Institutes of Health	\$ 149,496

# College of Education Proposals (continued)

## Language, Literacy & Sociocultural Education

Title	Principal Investigator	Sponsor	Requested Amount
RU STARTALK Chinese Summer Program	Wassell, Beth	STARTALK	\$ 70,783
Approaches to Learning: Using Culture for English and Language Arts Development in Urban Preschool	Browne, Susan	Sociological Initiatives Foundation	\$ 19,969
Supporting Teachers of ELLs at Rowan (STELLAR)	Michener, Catherine	US Department of Education	\$ 2,602,350
Rowan Sheltered English Instruction Professional Development Project	Wassell, Beth	US Department of Education	\$ 85,818

## STEAM Education

Title	Principal Investigator	Sponsor	Requested Amount
Rowan University 2016 STEAM Academy	Yanek, Kelly	American Honda Foundation	\$ 50,000
Advanced Level Learning STEM for All (ALL STEM for All), a Strategies program aligned to the objectives of the ITEST program	Abi-El-Mona, Issam	Mt. Holly Township Public Schools	\$ 149,927
South Jersey Mathematics Ambassadors Project	Wieman, Rob	NJ Department of Education	\$ 380,000

## Center for Access, Success and Equity

Title	Principal Investigator	Sponsor	Requested Amount
Impacting School Safety by Engaging Youth Voice	Zion, Shelley	US Department of Justice	\$ 4,977,553
FY17 Early Intervention Program	Miller, DeMond	NJ Department of Health	\$ 440,000

# Henry M. Rowan College of Engineering / South Jersey Technology Park Awards & Proposals

Henry M. Rowan College of Engineering and South Jersey Technology Park					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	2	\$ 88,889	1	\$ -	\$ 50,000
<b>Biomedical Engineering</b>	16	\$ 3,724,995	4	\$ 165,617	\$ 580,657
<b>Chemical Engineering</b>	20	\$ 5,228,399	9	\$ 47,919	\$ 214,595
<b>Civil &amp; Environmental Engineering</b>	29	\$ 20,687,493	11	\$ 821,149	\$ 4,214,430
<b>Electrical &amp; Computer Engineering</b>	16	\$ 4,166,191	2	\$ 71,084	\$ 364,901
<b>Mechanical Engineering</b>	11	\$ 1,542,509	6	\$ 30,296	\$ 226,760
<b>Total</b>	<b>94</b>	<b>\$ 35,438,476</b>	<b>33</b>	<b>\$ 1,136,065</b>	<b>\$ 5,651,343</b>

## Awards

### Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Attracting Women to Engineering and Rowan's Introduction for Students to Engineering	Lowman, Anthony	PSEG Nuclear, LLC	\$ 50,000	\$ -

### Biomedical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Silicone Hydrogel Contact Lenses with Controlled and Extended Release of Latanopr	Byrne, Mark	National Institutes of Health	\$ 145,943	\$ 45,293
Silicone Hydrogel Contact Lenses with Controlled and Extended Release of Latanopr	Byrne, Mark	National Institutes of Health	\$ 102,184	\$ 31,712
RU: Continuous nanofiber manufacturing with real time	Beachley, Vincent	National Science Foundation	\$ 297,530	\$ 88,612
A three-dimensional model of the blood brain barrier incorporating human cerebral cells	Galie, Peter	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -

### Mechanical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Using Bioengineering Scaffolds loaded with neurotrophins to enhance functional recovery after locomotor training in SCI animals	Singh, Anita	NJ Department of Health & Senior Services	\$ 99,510	\$ 9,046
Electronic Skin (E-skin) Patch for Monitoring	Xue, Wei	New Jersey Health Foundation,	\$ 26,000	\$ -
Smart implants for bone-tissue engineering	Ranganathan,	New Jersey Health Foundation,	\$ 50,000	\$ -
Nanofiber-based Motion Energy Harvesters for Implanted Medical Devices	Xue, Wei	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Create a camera system platform that will be used during Unmanned Aerial Vehicle (UAV) flights for American Aerospace Technologies, Inc	Zhang, Hong	American Aerospace Technologies, Inc.	\$ 6,250	\$ 1,250
To design the next generation of Seal Force Tester for Genesis Packaging Tech.	Osta, Anu	Genesis Packaging Technologies	\$ 10,000	\$ 20,000

# Engineering / SJTP Awards (continued)

## Chemical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
SusChem: Biobased Platform for the Sustainable Molecular Design and Controlled Synthesis of Block Polymers from Renewable Feedstocks	Stanzione, Joseph	University of Delaware (Prime: National Science Foundation)	\$ 37,016	\$ 11,487
Perma Pure - SO2 Monitoring Experiments	Stanzione, Joseph	Perma Pure LLC	\$ 9,341	\$ 1,716
PGM Recovery from Waste Stream	Hesketh, Robert	Johnson Matthey	\$ 23,175	\$ 4,257
Collaborative Research: Inspiring Innovation and Creativity through Physical Simulations and Moving Analogies	Bodnar, Cheryl	National Science Foundation	\$ 10,347	\$ 3,449
Perma Pure - Oxygen Humidification Project	Stanzione, Joseph	Perma Pure LLC	\$ 36,750	\$ 6,750
Collaborative Research: Research Initiation Grants in Engineering Education: Development of Innovation Capacity in Engineering Students through Virtual Internships	Bodnar, Cheryl	National Science Foundation	\$ 49,396	\$ 16,454
Injectable Scaffolds with Bioadhesive Properties for the Regeneration of the Annulus Fibrosus and Nucleus Pulposus of the Intervertebral Disc	Vernengo, Jennifer	New Jersey Health Foundation, Inc.	\$ 34,986	\$ -
Perma Pure - Oxygen Humidification Project	Stanzione, Joseph	Perma Pure LLC	\$ 3,234	\$ 594
REU Site: Enhancing Knowledge Integration through Undergraduate Research -- Particle-based Functional Materials for Energy, Sustainability, and Biomedicine	Bodnar, Cheryl	University of Pittsburgh (Prime: National Science Foundation)	\$ 10,350	\$ 3,212

## Civil & Environmental Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Integrating SHRP2 Products Through the Entire Civil Engineering Curriculum	Mehta, Yusuf	US Department of Transportation	\$ 9,965	\$ 3,092
Framework for utilization of mobile data collection	Bhavsar, Parth	New Jersey Institute of Technology (Prime: NJ Department of Transportation)	\$ 240,387	\$ 68,697
NJDMAVA Energy Audit Center	Everett, Jess	NJ Dept. of Military and Veteran Affairs	\$ 57,392	\$ 14,120
Laser Scanning Aggregates for real time property identification	Sukumaran, Beena	University Transportation Research Center (Prime: U.S. Department of Transportation)	\$ 159,934	\$ 30,202
2013-02 Alternatives to Nuclear Density Testing	Mehta, Yusuf	NJ Department of Transportation	\$ 239,095	\$ 28,462
Solar Hot Water Opportunities for NJDMAVA	Riddell, William	NJ Dept. of Military and Veteran Affairs	\$ 40,177	\$ 12,615
A Virtual Reality Training Environment for Cold Spray Application	Lalovic-Hand, Mira	Northeastern University (Prime: US Department of the Army)	\$ 100,000	\$ 32,000
Impact of Heavy Vehicle Simulator (HVS) and Rowan University Construction materials (RUCOM) laboratory at South Jersey	Mehta, Yusuf	State of New Jersey	\$ 1,200,000	\$ -
Proactive Waste Management Through Infrared Thermography for Landfill Monitoring and Fire Warning: Demonstration and Training	Nazari, Rouzbeh	US Dept. of Agriculture	\$ 150,000	\$ 50,000
Water System Data Collection	Nazari, Rouzbeh	American Water	\$ 94,500	\$ 18,900
Rethinking Engineering Diversity, Transforming Engineering Diversity (REDTED)	Sukumaran, Beena	National Science Foundation	\$ 1,922,980	\$ 563,061

## Electrical & Computer Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Theoretical and Algorithmic Foundations of Constrained Particle Filtering	Bouaynaya, Nidhal	National Science Foundation	\$ 349,901	\$ 71,084
MemSat Development	Shin, Sangho	Rutgers, The State University of	\$ 15,000	\$ -

# Engineering / SJTP Proposals

## Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
2015-2016 PSEG Proposal for AWE & RISE	Basantis, Melanie	PSEG Nuclear, LLC	\$ 38,889
Attracting Women into Engineering (AWE) Rowan's Introduction for Students to Engineering (RISE)	Basantis, Melanie	PSEG Nuclear, LLC	\$ 50,000

## Biomedical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: Investigating polymer nanofiber post-drawing mechanics and yarn manufacturing processes with an automated track manufacturing platform	Beachley, Vincent	National Science Foundation	\$ 499,827
RUI: Continuous nanofiber manufacturing with real time "wet-stretching" for increased molecular organization and fiber performance	Beachley, Vincent	National Science Foundation	\$ 297,531
Collaborative Research: NSF REU Site: Engineering Therapies Leveraging Virtual Communities of Practice	Byrne, Mark	National Science Foundation	\$ 288,333
An automated track manufacturing platform for investigating polymer nanofiber post-drawing mechanics and developing enhanced nanofiber materials	Beachley, Vincent	US Air Force	\$ 359,713
A three-dimensional model of the blood brain barrier incorporating human cerebral cells	Galie, Peter	New Jersey Health Foundation, Inc.	\$ 34,747
Promoting Nerve Repair with Nanofiber Filled Guidance Tubes	Beachley, Vincent	New Jersey Health Foundation, Inc.	\$ 35,000
A continuous manufacturing platform for investigating polymer nanofiber post-drawing mechanics and developing low cost high performance carbon nanofibers	Beachley, Vincent	NAVY	\$ 447,955
A multi-task pole climbing robot for construction and service applications	Abedin Nasab, Mohammad	National Science Foundation	\$ 232,176
Neurogenic hydrogels with embedded nanofiber guidance cues to promote spinal cord regeneration	Beachley, Vincent	NJ Commission on Spinal Cord Research	\$ 185,363
Pre-vascularized implantable scaffold for spinal cord repair	Galie, Peter	NJ Commission on Spinal Cord Research	\$ 199,744
The role of vascular wall pulsation in amyloid beta transport and clearance	Galie, Peter	Alzheimer's Association	\$ 98,999
Nanomanufacturing Approaches for Engineering High Specific Strength Carbon Nanofibers Yarns	Beachley, Vincent	US Air Force	\$ 357,439
The role of vascular wall pulsation in amyloid beta transport and clearance	Galie, Peter	Alzheimer's Association	\$ 100,000
A novel surgical robot for spinal interventions	Abedin Nasab, Mohammad	NJ Commission on Spinal Cord Research	\$ 98,083
Stimulation of angiogenesis in cerebral vasculature following ischemic insult	Galie, Peter	American Heart Association	\$ 216,240
A multi-task pole climbing robot for construction and service applications	Abedin Nasab, Mohammad	National Science Foundation	\$ 273,845

# Engineering / SJTP Proposals Continued

## Chemical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
Camille and Henry Dreyfus Environmental Chemistry Fellow - Synthesis & Toxicology Studies of Renewable BPA Alternatives	Stanzione, Joseph	The Camille Henry Dreyfus Foundation, Inc.	\$ 120,000
PGM Recovery from Waste Stream	Hesketh, Robert	Johnson Matthey	\$ 23,175
Perma Pure - Oxygen Humidification Project	Stanzione, Joseph	Perma Pure LLC	\$ 36,750
Injectable Scaffolds with Bioadhesive Properties for the Regeneration of the Annulus Fibrosus and Nucleus Pulposus of the Intervertebral Disc	Vernengo, Jennifer	New Jersey Health Foundation, Inc.	\$ 34,986
Magnetic Nanoparticle Hyperthermia Triggered Second Wave Chemotherapy	Vernengo, Jennifer	New Jersey Health Foundation, Inc.	\$ 35,000
IUSE/PFE:RED: Transforming Materials Science Education through Integrated Personalized Learning	Bodnar, Cheryl	National Science Foundation	\$ 203,655
Enhancing regeneration and neuroprotection through bioengineered scaffolds secreting Chondritanse ABC and neurotrophins in clinically relevant SCI animal model	Vernengo, Jennifer	NJ Commission on Spinal Cord Research	\$ 260,880
SusChEM: Biobased Platform Technology for the Sustainable Production of Biofuels and Polymers	Stanzione, Joseph	The Mobinol Fuel Co., LLC	\$ 67,499
Ex Vivo Evaluation of Bioadhesive Tissue Engineering Scaffold for Intervertebral Disc Regeneration	Vernengo, Jennifer	National Institutes of Health	\$ 1,080,942
Optimization of the differentiation behavior of ASCs in disc-mimetic environment for intervertebral disc regeneration	Vernengo, Jennifer	National Science Foundation	\$ 314,232
Collaborative Research: RFE: Investigating the Connections between Epistemic Cognition and Entrepreneurial Mindset	Bodnar, Cheryl	National Science Foundation	\$ 296,262
Collaborative Proposal: Energy Sustainability Remote Laboratory (ESRL)	Dahm, Kevin	National Science Foundation	\$ 63,410
Injectable Bioadhesive Scaffolds for Multi-Targeted Regeneration of the Intervertebral Disc	Vernengo, Jennifer	AO Foundation	\$ 96,855
NRT-DESE: Personalized Career Path Training for Decision-Making in Systems Medicine	Bodnar, Cheryl	National Science Foundation	\$ 501,983
IUSE/EHR: Enhancing Engineering Communication through Genuine Authentic Mobile Exercises (Games)	Bodnar, Cheryl	National Science Foundation	\$ 599,222
REU Site: Enhancing Knowledge Integration through Undergraduate Research -- Particle-based Functional Materials for Energy, Sustainability, and Biomedicine	Bodnar, Cheryl	University of Pittsburgh	\$ 10,350
High-Performance Polymers from Bio-based Feedstocks	Stanzione, Joseph	Drexel University	\$ 934,081
Rowan University: Engineering Education for Sustainable Development	Stanzione, Joseph	US Environmental Protection Agency	\$ 91,001
Process Intensification in Food Manufacture - Optimizing Water, Energy, Waste Reduction	Slater, C. Stewart	US Environmental Protection Agency	\$ 98,335
Synthesis of Bio-based Trisphenolic Monomers and Their Utilization in High-Performance Polymeric Composites	Stanzione, Joseph	US Air Force	\$ 359,781



# Engineering / SJTP Proposals Continued

## Civil and Environmental Engineering

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: Innovative Multi-Scale Non-Invasive In-situ and Remote Sensing Landfill Elevated Internal Temperature Detection	Nazari, Rouzbeh	National Science Foundation	\$ 500,000
Acquisition: Large Scale Multifunctional Accelerated Weathering Chamber System	Mehta, Yusuf	US Department of Defense	\$ 351,270
Pavement Support Program	Mehta, Yusuf	NJ Department of Transportation	\$ 4,996,295
Integration of Satellite, Airborne and Ground-Based Sensing of Landfills for Early Internal Fire Detection and Continuous Monitoring	Nazari, Rouzbeh	National Aeronautics Space Administration	\$ 250,409
Time-dependent Remote Sensing Analysis of Landfill Surface Temperatures for Fire Prevention	Nazari, Rouzbeh	US Environmental Protection Agency	\$ 15,000
Heat Migration in Urban Environments	Nazari, Rouzbeh	US Environmental Protection Agency	\$ 15,000
Stormwater Management and Resiliency Planning through Green Infrastructures	Nazari, Rouzbeh	US Environmental Protection Agency	\$ 15,000
Leveraging Big Data to Improve Traffic Incident Management	Bhavsar, Parth	Transportation Research Board	\$ 17,960
Green Stormwater Infrastructure for Camden, NJ	Nazari, Rouzbeh	US Environmental Protection Agency	\$ 60,000
Algae Grows the Future	Jahan, Kauser	National Science Foundation	\$ 300,000
Innovative Multi-Scale Non-Invasive In-situ and Remote Sensing Landfill Elevated Internal Temperature Detection	Nazari, Rouzbeh	National Science Foundation	\$ 288,276
Solar Hot Water Opportunities for NJDMAVA	Riddell, William	NJ Dept. of Military and Veteran Affairs	\$ 101,927
The Use of Porous Concrete for Sidewalks	Cleary, Douglas	NJ Department of Transportation	\$ 152,630
Proactive Waste Management Through Infrared Thermography for Landfill Monitoring and Fire Warning: Demonstration and Training	Nazari, Rouzbeh	US Department of Agriculture	\$ 176,183
Innovative Impact-Based Decision Making Framework Stormwater Management	Nazari, Rouzbeh	NJ Water Resources Research Institute	\$ 244,719
Rethinking Engineering Diversity, Transforming Engineering Diversity (REDTED)	Sukumaran, Beena	National Science Foundation	\$ 1,922,979
Guidance for the Setting of Speed Limits	Bhavsar, Parth	Transportation Research Board	\$ 499,993
Impact of Heavy Vehicle Simulator (HVS) and Rowan University Construction materials (RUCOM) laboratory at South Jersey	Mehta, Yusuf	State of New Jersey	\$ 1,170,000
Investment for Expansion of Center for Research and Education in Advanced Transportation Engineering Systems (CREATEs) at Rowan University	Mehta, Yusuf	State of New Jersey	\$ 2,000,000
Development of Intelligent Pavement Monitoring System Using Cost Effective Self Powered Wireless Piezoelectric Sensors	Bhavsar, Parth	Transportation Research Board	\$ 144,698
Accelerated Pavement Workshop: A Collaborative Effort between Rowan University, VTRC and FDOT	Mehta, Yusuf	University Transportation Research Center	\$ 14,997
Impact of Bone Glue on Binder Rheology and Laboratory Performance of Hot Mix Asphalt	Mehta, Yusuf	University Transportation Research Center	\$ 68,786
Impact-Based Decision Making Framework for Community-based Resiliency Planning under Extreme Storm Events	Nazari, Rouzbeh	NJ Department of Community Affairs	\$ 800,000

# Engineering / SJTP Proposals Continued

## Civil and Environmental Engineering Continued

Title	Principal Investigator	Sponsor	Requested Amount
Project E3: Education, Environment and Empowerment	Jahan, Kauser	American Water	\$ 10,000
THE E3 PROJECT: Environmental Education Leading to Empowerment	Jahan, Kauser	US Environmental Protection Agency	\$ 90,999
UTRC2 full time student scholarship	Bhavsar, Parth	University Transportation Research Center	\$ 25,000
Center for Research and Education of Advanced Transportation Engineering Systems (CREATES)	Mehta, Yusuf	US Department of Transportation	\$ 4,650,000
Water System Data Collection	Nazari, Rouzbeh	American Water	\$ 94,500
Technology Transfer Program	Mehta, Yusuf	NJ Department of Transportation	\$ 1,710,872

## Electrical and Computer Engineering

Title	Principal Investigator	Sponsor	Requested Amount
Collaborative Research: ABI Innovation: Enabling consistent analysis of metagenomic data using a living framework for incremental learning	Polikar, Robi	National Science Foundation	\$ 201,937
Automated Image Segmentation for Multiple Sclerosis	Bouaynaya, Nidhal	University of Alabama at Birmingham	\$ 90,728
IUSE: Collaborative Project: Multidimensional Digital Signal Processing, STEM Learning by Combining Theory and Practice	Ramachandran, Ravi	National Science Foundation	\$ 299,856
MemSat	Shin, Sangho	National Aeronautics Space Administration	\$ -
Evidence-based Adaptive Virtual Reality Therapy: Immersive Treatment of Attention Deficit/Hyperactivity Disorder in Adolescence	Tang, Ying	New Jersey Health Foundation, Inc.	\$ 35,000
Engaging in STEM Education with Big Data Technologies: A Rowan-COVE Initiative	Bouaynaya, Nidhal	National Science Foundation	\$ 299,930
IUSE: Collaborative Project: Engaged Student Learning: Design and Development, Level I: Optimize Student Learning Through Personalized Instruction and Need-aware Gaming (PING)	Tang, Ying	National Science Foundation	\$ 325,919
Methods to Detect Progression and Predict Response to Therapy in Malignant Gliomas	Bouaynaya, Nidhal	University of Alabama at Birmingham	\$ 323,596
BIGDATA: Collaborative Research: IA: Enabling consistent analysis of metagenomic data using a living framework for incremental learning	Polikar, Robi	National Science Foundation	\$ 279,705
SNM: Memristors-Embedded CMOS (MEC) Technology for Ultra-Dense Nonvolatile Memories and Logic Circuits	Shin, Sangho	National Science Foundation	\$ 1,240,137
MemSat Development	Shin, Sangho	Rutgers, The State University of New Jersey	\$ 15,000
E2CDA: Type II: Energy-Efficient NVRAM-Embedded In-Memory Computing	Shin, Sangho	National Science Foundation	\$ 598,683
A Virtual Reality Training Environment for Cold Spray Application	Lalovic-Hand, Mira	Northeastern University	\$ 100,000
UAV Detection Project	Krchnavek, Robert	Lockheed Martin	\$ 11,200
Enabling continual learning and curation of microbiome data	Polikar, Robi	Cornell University	\$ 324,995
Development of Aircraft Pair Conflict Generator Application	Bouaynaya, Nidhal	Federal Aviation Administration	\$ 19,505

# Engineering / SJTP Proposals Continued

## Mechanical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
Establishment of a Computation Mechanics Lab	Osta, Anu	Procter & Gamble	\$ 10,000
RUI: SusChEM: Tailored Catalytic Aerogel Materials	Bakrania, Smitesh	National Science Foundation	\$ 49,845
RUI: Maximizing Energy Harvesting Efficiency of PVDF for Skin-Mountable Devices	Xue, Wei	National Science Foundation	\$ 299,921
Collaborative Research: Mass transport around oscillating microbubbles in complex geometries and its applications in ultrasensitive sensing	Xue, Wei	National Science Foundation	\$ 136,664
Nanofiber-based Motion Energy Harvesters for Implanted Medical Devices	Xue, Wei	New Jersey Health Foundation, Inc.	\$ 35,000
Nanoparticle based thermal therapy for metastatic spinal disease	Attaluri, Anilchandra	NJ Commission on Spinal Cord Research	\$ 200,000
Create a camera system platform that will be used during Unmanned Aerial Vehicle (UAV) flights for American Aerospace Technologies, Inc	Zhang, Hong	American Aerospace Technologies, Inc.	\$ 6,250
NSF-MRI: Acquisition of a Scanning Electron Microscope for Research and Education	Xue, Wei	National Science Foundation	\$ 451,500
Insulin Infusion Catheter Development	Merrill, Thomas	Capillary Biomedical, Inc.	\$ -
Arduino Boot Camp: The ABCs of Hands-On Computer Science and Engineering	Constans, Eric	National Science Foundation	\$ 343,259
To design the next generation of Seal Force Tester for Genesis Packaging Tech	Osta, Anu	Genesis Packing Technologies	\$ 10,070

# College of Humanities & Social Sciences

## Awards & Proposals

College of Humanities and Social Sciences					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Geography &amp; Environment</b>	4	\$ 1,059,098	4	\$ 56,893	\$ 367,164
<b>Political Sciences &amp; Economics</b>	3	\$ 98,678	2	\$ 19,397	\$ 90,000
<b>Sociology &amp; Anthropology</b>	3	\$ 703,428	-	\$ -	\$ -
<b>Law and Justice</b>	3	\$ 512,739	-	\$ -	\$ -
<b>Liberal Arts &amp; Sciences Institute</b>	-	\$ -	1	\$ -	\$ 511,750
<b>History</b>	3	\$ 285,608	1	\$ -	\$ 45,303
<b>Total</b>	<b>16</b>	<b>\$ 2,659,551</b>	<b>8</b>	<b>\$ 76,290</b>	<b>\$ 1,014,217</b>

### Awards

#### Geography & Environment

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
National Guard Facilities GIS Internship Program	Hasse, John	NJ Department of Military and Veteran Affairs	\$ 145,000	\$ 27,663
NJ Map	Hasse, John	Geraldine R. Dodge Foundation	\$ 65,000	\$ -
NJ Army National Guard Environmental Internship Program	Crumrine, Patrick	NJ Department of Military and Veteran Affairs	\$ 138,414	\$ 29,230
Planning for Water quality Objectives	Hasse, John	Salem County (Prime: U.S. Environmental Protection Agency)	\$ 18,750	\$ -

#### Political Sciences & Economics

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
NJ Geographic Alliance Operating Grant 2015-16	Somdahl-Sands, Katrinka	National Geographic Society	\$ 27,500	\$ -
Geospatial Factors and the trafficking/Terrorism Nexus in Eurasia	Markowitz, Lawrence	University of Kansas (Prime: Department of Defense)	\$ 62,500	\$ 19,397

#### Liberal Arts & Sciences Institute

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan University Early Intervention Program FY16	Miller, DeMond	New Jersey Department of Health	\$ 511,750	\$ -

#### History

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Megan M Giordano Fellowship Program	Carrigan, Bill	Gloucester County Parks & Recreation	\$ 45,303	\$ -

# College of Humanities & Social Sciences Proposals

## Geography & Environment

Title	Principal Investigator	Sponsor	Requested Amount
Improving Approaches to Pollution Control: Environmental Governance and Solid Waste Management in Hawai'i	Howell, Jordan	National Science Foundation	\$ 127,284
New Jersey Municipal Asset Profiler: NJ MAP	Hasse, John	The Geraldine R. Dodge Foundation	\$ 68,400
NJ Army National Guard Environmental Internship Program	Crumrine, Patrick	NJ Department of Military and Veteran Affairs	\$ 138,414
National Guard Facilities GIS Internship	Hasse, John	NJ Department of Military and	\$ 725,000

## History

Title	Principal Investigator	Sponsor	Requested Amount
Megan M Giordano Fellowship Program (FY16)	Carrigan, Bill	Gloucester County Parks & Recreation	\$ 45,303
A Long Road of Suffering: The Holocaust and the Third Reich	Hague, Stephen	National Endowment for the Humanities	\$ 195,005
Megan M Giordano Fellowship Program (FY17)	Carrigan, Bill	Gloucester County Parks & Recreation	\$ 45,300

## Political Science & Economics

Title	Principal Investigator	Sponsor	Requested Amount
Presidential Speeches from Washington to Hoover	Pluta, Anne	National Archives and Records Administration	\$ 41,178
Competitive Communication and Partisan Polarization: The Cases of Woodrow Wilson, Harry S. Truman and Barack Obama	Pluta, Anne	Truman Library Institute	\$ 30,000
NJ Geographic Alliance Operating Grant 2016-2017	Somdahl-Sands, Katrinka	National Geographic Society	\$ 27,500

## Sociology & Anthropology

Title	Principal Investigator	Sponsor	Requested Amount
Rowan University Early Intervention	Miller, DeMond	NJ Department of Health	\$ 511,760
From Undergrad to Alumnus: Gender Differences?	Hartman, Harriet	Engineering Information Foundation	\$ 19,252
FY 2016 Comprehensive School Safety Initiative	Capellan, Joel	US Department of Justice	\$ 172,416

## Law and Justice

Title	Principal Investigator	Sponsor	Requested Amount
SEPTA Smart Policing Initiative	Sorg, Evan	SEPTA Transit Police Department	\$ 199,566
New Jersey State Police Statewide Gang Assessment	Sorg, Evan	New Jersey State Police	\$ 48,573
Use of Force in a Transit Agency	Lewandowski, Carla	US Department of Justice	\$ 264,600

# College of Performing Arts Awards & Proposals

College of Performing Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	1	\$ 14,500	1	\$ -	\$ 5,000
<b>Music</b>	2	\$ 25,000	-	\$ -	\$ -
<b>Total</b>	<b>3</b>	<b>\$ 39,500</b>	<b>1</b>	<b>\$ -</b>	<b>\$ 5,000</b>

## Awards

### Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Arts Project Support	Stewart, Melanie	New Jersey State Council on the Arts	\$ 5,000	\$ -

## Proposals

### Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Cantus Concert and Residency	Sanders, Gloria	NJ State Council on the Arts	\$ 14,500

### Music

Title	Principal Investigator	Sponsor	Requested Amount
Grammy Foundation Preservation Planning Grant	Dammers, Rick	GRAMMY Foundation	\$ 5,000
Frank & Lydia Bergen Scholarship Support	Dammers, Rick	Frank and Lydia Bergen Foundation	\$ 20,000

# College of Science & Mathematics

## Awards & Proposals

College of Science & Mathematics					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>Dean's Office</b>	2	\$ 40,000	2	\$ -	\$ 40,000
<b>Biological Sciences</b>	6	\$ 2,310,464	2	\$ 118,376	\$ 408,470
<b>Chemistry &amp; Biochemistry</b>	22	\$ 2,758,658	9	\$ 49,283	\$ 333,182
<b>Computer Science</b>	7	\$ 1,692,649	4	\$ 83,570	\$ 454,997
<b>Mathematics</b>	4	\$ 136,416	-	\$ -	\$ -
<b>Physics &amp; Astronomy</b>	13	\$ 2,723,936	6	\$ 166,659	\$ 1,648,888
<b>Psychology</b>	19	\$ 3,548,332	2	\$ 61,083	\$ 196,823
<b>Health &amp; Exercise Science</b>	13	\$ 949,209	1	\$ 1,976	\$ 8,000
<b>Total</b>	<b>86</b>	<b>\$14,159,664</b>	<b>26</b>	<b>\$ 480,947</b>	<b>\$ 3,090,360</b>

### Awards

#### Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
NASA NJSG Rowan College of Science & Mathematics Summer Research Program	Magee-Sauer, Karen	Rutgers, The State University of New Jersey (Prime: NASA)	\$ 30,000	\$ -
NASA NJ Space Grant Community College Bridge Program at Rowan University	Magee-Sauer, Karen	NJ Space Grant Consortium (Prime: NASA)	\$ 10,000	\$ -

#### Biological Sciences

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Signaling pathways that mediate the S. cerevisiae response to oxygen levels	Hickman, Mark	National Institutes of Health	\$ 378,973	\$ 110,490
RUI/SG: Phylogenetic Relationships of Archaic "Ungulates" and Their Implications for the Timing and Rate of Divergence of Placental Mammal Clades	Holbrook, Luke	National Science Foundation	\$ 29,497	\$ 7,886

#### Computer Science

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Enhancement of EDM software	Hnatyshin, Vasil	Bristol-Myers Squibb	\$ 39,997	\$ 7,346
Proposal for Research Collaboration Rowan University - ASRC Federal/ Mission Solutions	Rusu, Adrian	Missions Solutions Engineering	\$ 75,000	\$ 13,775
Establishment of Perka First Data Rowan Computer Science Laboratory	Lobo, Andrea	Perka, Inc.	\$ 150,000	\$ 27,551
Establishment of Perka First Data Rowan Computer Science Laboratory	Lobo, Andrea	Perka, Inc.	\$ 190,000	\$ 34,898

# College of Science & Mathematics

## Awards Continued

### Chemistry & Biochemistry

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Development of novel formulations of pharmaceutical compounds	Jonnalagadda, Subash	Serenity Enterprise, LLC	\$ 43,850	\$ 5,850
Target Validation in Drug Discovery for Anti-Alzheimer Disease	Yang, Catherine	Guava Medicine LLC	\$ 99,999	\$ 18,367
Signaling mechanisms in VIBRIO Cholerae Parallel quorum sensing pathways	Perez, Lark	Tufts University (Prime: National Institutes of Health)	\$ 27,587	\$ 9,196
New Generation of Peanut Allergy Vaccines for Delivery System Proven Effective for Poison Ivy	Yang, Catherine	New Jersey Health Foundation	\$ 50,000	\$ -
Synthesis of Pharmaceutical compounds	Jonnalagadda, Subash	Avante Pharmaceuticals	\$ 10,000	\$ 2,000
Development of Novel Small Molecules as Potential Anti-Cancer Agents	Jonnalagadda, Subash	Channel Therapeutics Inc.	\$ 62,479	\$ 10,637
Pegeron Process Optimization	Perez, Lark	Pegeron LLC	\$ 3,667	\$ 733
A Rutgers-Rowan cross collaboration research model to accelerate the fight against diabetes	Yang, Catherine	Rowan-Rutgers Joint Board	\$ 10,600	\$ -
Research and Development of Topical and Intravenous Formulations	Jonnalagadda, Subash	Teligent, Inc.	\$ 25,000	\$ 2,500

### Physics & Astronomy

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Design Multifunctional Protein-based Film Materials for Thermal Conductivity Applications	Hu, Xiao	Sekisui Chemical Co., Ltd.	\$ 301,197	\$ 49,752
Platinum Group Materials (PGM)-based Thin Films and Coatings on metallic substrates	Hettinger, Jeffrey	Johnson Matthey	\$ 18,370	\$ 3,374
2016 Physics Summer Undergraduate Research Program	Magee-Sauer, Karen	Rutgers, The State University of New Jersey (Prime: NASA)	\$ 15,000	\$ -
Novel Approaches for Studying Large Protein Drug Targets: Hypoxia-Inducible Factor Prolyl-Hydroxylases Investigated by High Resolution Nuclear Magnetic Resonance in Reverse Micelles	Nucci, Nathaniel	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Reactively Sputtered Nitride Coatings	Hettinger, Jeffrey	Johnson Matthey	\$ 64,000	\$ 12,800
MRI: Development of a Localized Field Emission Scanning Electron Microscope and Secondary Electron Spin Polarization Analysis System	Kirk, Taryl	National Science Foundation	\$ 994,365	\$ 80,972
IRES: Philadelphia-Singapore Optics Research Experience for Undergraduates	Lim, Michael	National Science Foundation	\$ 220,956	\$ 19,761



# College of Science & Mathematics

## Awards & Proposals

### Psychology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
TRI PTRC	Kirby, Kimberly	Treatment Research Institute (Prime: National Institutes of Health)	\$ 154,670	\$ 48,001
NIH- BREATHE FREE: Smartphone Videogame-Based Incentives for Smoking Cessation	Raiff, Bethany	Entertainment Science Playmatics JV (Prime: National Institutes of Health)	\$ 42,153	\$ 13,082

### Health & Exercise Science

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Parent/Teen Driving Orientation Program	Rattigan, Peter	State Farm	\$ 8,000	\$ 1,976

## Proposals

### Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
2016 College of Science & Mathematics Summer Undergraduate Research Program	Magee-Sauer, Karen	Rutgers, The State University of New Jersey	\$ 30,000
2016 NASA NJ Space Grant Community College Bridge Summer Program @Rowan University College of Science & Mathematics	Magee-Sauer, Karen	Rutgers, The State University of New Jersey	\$ 10,000

### Biological Sciences

Title	Principal Investigator	Sponsor	Requested Amount
Bridges to the Baccalaureate: Cumberland County College Bridge to Rowan University	Krufka, Alison	National Institutes of Health	\$ 1,126,454
Elucidating the role of neurovascular unit dysfunction and inflammation in early stages of dementia: Niemann Pick type C disease	Soto, Ileana	New Jersey Health Foundation, Inc.	\$ 28,960
ROA: Supplement to RUI/SG: Phylogenetic Relationships of Archaic "Ungulates" and Their Implications for the Timing and Rate of Divergence of Placental Mammal Clades	Holbrook, Luke	National Science Foundation	\$ 29,497
Acquisition of a Laser Scanning Confocal Microscope for Life Sciences Research and Workforce Training	Iftode, Cristina	National Science Foundation	\$ 405,382
Identification of the regulatory drivers of metastasis	Alpaugh, Mary	US Department of Defense	\$ 276,171
HSV glycoprotein D impact on intercellular junctions	Krummenacher, Claude	National Institutes of Health	\$ 444,000

# College of Science & Mathematics

## Proposals Continued

### Chemistry & Biochemistry

Title	Principal Investigator	Sponsor	Requested Amount
Development of Novel Detection and Treatment Options for Bacterial Infection in Neonatal Care	Perez, Lark	March of Dimes	\$ 150,000
Target Validation in Drug Discovery for Anti-Alzheimer Disease	Yang, Catherine	Guava Medicine LLC	\$ 200,000
Redox-switchable phase tags for mixture synthesis (Letter of Intent)	Moura-Letts, Gustavo	Arnold and Mabel Beckman Foundation	\$ -
Optimization of Bioactive Peptide Synthesis Methodology	Caputo, Gregory	Longevity Biotech	\$ 450
Development of novel formulations of pharmaceutical compounds	Jonnalagadda, Subash	Serenity Enterprise, LLC	\$ 43,850
Novel Cycloaddition Methods for the Synthesis of Oxazepine Scaffolds	Moura-Letts, Gustavo	National Science Foundation	\$ 327,375
Electrocatalytic Materials for water Splitting driven by the photoanode	Mugweru, Amos	National Science Foundation	\$ 238,664
Synthetic Catalysts for Protein Post-translational Modification	Perez, Lark	Research Corporation	\$ 99,999
Transition-Metal Mediated Cycloadditions for the Stereoselective Synthesis of Diazepine Pharmacophores	Moura-Letts, Gustavo	National Institutes of Health	\$ 435,000
Understanding the Consequences of 6TM Splice Variants in MOR-1 Ligand Binding: Towards Novel Analgesics	Wu, Chun	National Institutes of Health	\$ 435,000
La <sub>1-x</sub> AxMnO <sub>3</sub> @Au magnetic nanoparticles for biosensing	Mugweru, Amos	National Science Foundation	\$ 228,676
Engineered Polymeric Nanoparticles for Identification of Bacterial Pathogens	Perez, Lark	New Jersey Health Foundation, Inc.	\$ 35,000
Novel Natural Products from Environmentally-Stressed Medicinal Plants in the Tri-State Area	Moura-Letts, Gustavo	New Jersey Health Foundation, Inc.	\$ 35,000
Azulenylalanine - a novel probe for studies of pore forming proteins and peptides in membranes	Caputo, Gregory	Syracuse University	\$ 122,814
Mycobacterium vaccae immunization for drug addiction and relapse	Keck, Thomas	New Jersey Health Foundation, Inc.	\$ 22,744
Quorum Quenching in Water Waste Streams	Perez, Lark	US Geological Survey	\$ 31,400
High-throughput Fluorescence Assay to Identify Drug Candidates for Influenza B	Caputo, Gregory	Syracuse University	\$ 129,738
Pegeron Process Optimization	Perez, Lark	Pegeron LLC	\$ 3,668
Indole Alkaloids from Peruvian Medicinal Plants for the Treatment of Malaria	Moura-Letts, Gustavo	Syrsa Corporation	\$ 100,000
In vitro and in vivo evaluation of anti-diabetic efficacy of novel compounds targeting GLP-1 r regulators as next generation of intervention for type 2 diabetes associate with complications	Yang, Catherine	Rutgers, The State University of New Jersey	\$ 45,000
Novel Therapeutics for the Treatment of Diabetes	Moura-Letts, Gustavo	Robert Wood Johnson Foundation	\$ 49,280
Research and Development of Topical and Intravenous Formulations	Jonnalagadda, Subash	Teligent, Inc.	\$ 25,000

# College of Science & Mathematics

## Proposals Continued

### Computer Science

Title	Principal Investigator	Sponsor	Requested Amount
Extension of Perka First Data Rowan Computer Science Laboratory	Lobo, Andrea	Perka, Inc.	\$ 150,000
Mission Solutions/Rowan University Collaboration	Baliga, Ganesh	Mission Solutions Engineering	\$ -
Proposal for Research Collaboration Rowan University - ASRC Federal/Mission Solutions	Rusu, Adrian	Mission Solutions Engineering	\$ -
CS-ACTION: An Exploratory Investigation in Creating Access or Underrepresented Populations to Computer Science Content and Careers	Kay, Jennifer	National Science Foundation	\$ 1,249,655
Perka First Data Rowan Computer Science Laboratory - Phase 3	Lobo, Andrea	Perka, Inc.	\$ 190,000
Establishment of Lockheed Martin Data Analytics Laboratory	Baliga, Ganesh	Lockheed Martin	\$ 99,994
Rowan University Women in CS Club	Kay, Jennifer	National Center for Women & Information Technology	\$ 3,000

### Mathematics

Title	Principal Investigator	Sponsor	Requested Amount
Cybersecurity applications of Statistical and Data Mining Techniques (Task Order Bid)	Thayasivam, Uma	Mission Solutions Engineering	\$ -
A genome-wide investigation of genetic variation in patients with Preeclampsia using whole exome sequencing	Bendjilali, Nasrine	New Jersey Health Foundation, Inc.	\$ 35,000
A Bayesian Model for Hierarchical Testing of Pathways and its Components in Genome-wide Association Studies	Papachristou, Charalampos	University of Texas - Dallas	\$ 61,416
Software Development Project	Thayasivam, Uma	Bristol-Myers Squibb	\$ 40,000

### Physics and Astronomy

Title	Principal Investigator	Sponsor	Requested Amount
Rowan Noyce Scholars Program	Smith, Trevor	National Science Foundation	\$ 1,198,770
IRES: Philadelphia-Singapore Optics Research Experience for Undergraduates	Lim, Michael	National Science Foundation	\$ 212,196
Design Multifunctional Protein-based Film Materials for Thermal Conductivity Applications	Hu, Xiao	Sekisui Chemical Co., Ltd.	\$ 301,197
Toward Atomically Abrupt Interfaces and Cation-Ordering in Oxide Films via ALD	Lofland, Sam	Drexel University	\$ 208,394
Studying Discrepancies in Students' use of Graphs and Natural Language	Smith, Trevor	National Science Foundation	\$ 98,016
Novel Approaches for Studying Large Protein Drug Targets: Hypoxia-Inducible Factor Prolyl-Hydroxylases Investigated by High Resolution Nuclear Magnetic Resonance in Reverse Micelles	Nucci, Nathaniel	New Jersey Health Foundation, Inc.	\$ 35,000
Johnson Matthey Coating Measurement and Characterization	Hettinger, Jeffrey	Johnson Matthey	\$ 3,000
Structural and Functional Characterization of the Human Hypoxia-Inducible Factor Prolyl Hydroxylases Using Reverse Micelle NMR	Nucci, Nathaniel	American Heart Association	\$ 308,000
Collaborative Research: A multiscale approach for designing, optimizing and processing innovative bioinspired polysaccharides-protein materials	Hu, Xiao	National Science Foundation	\$ 242,363

# College of Science & Mathematics

## Proposals Continued

### Physics and Astronomy (continued)

Title	Principal Investigator	Sponsor	Requested Amount
Summer Undergraduate Research Fellowship	Hu, Xiao	National Institute of Standards	\$ 9,500
Summer Undergraduate Research Fellowship (SURF) at NIST - Gaithersburg	Hu, Xiao	National Institute of Standards and Technology	\$ 28,500
2016 Physics Summer Undergraduate Research Program	Magee-Sauer, Karen	Rutgers, The State University of New Jersey	\$ 15,000
Reactively Sputtered Nitride Coatings	Hettinger, Jeffrey	Johnson Matthey	\$ 64,000

### Psychology

Title	Principal Investigator	Sponsor	Requested Amount
Telehealth Delivery of a Parent-implemented Verbal	Soreth, Michelle	Organization for Autism	\$ 29,992
Pediatric Practices for Diagnosing and Addressing	Dihoff, Roberta	Robert Wood Johnson	\$ 150,000
BREATHE FREE: Smartphone Videogame-Based Incentives for Smoking Cessation	Riaff, Bethany	Entertainment Science Playmatics JV (Prime: National Institutes of Health)	\$ 42,176
Exploring genetic biomarkers associated with response to behavioral intervention in young children with autism spectrum disorders	Soreth, Michelle	New Jersey Health Foundation, Inc.	\$ 34,800
Preventing Sexual Assault and Dating Violence by Promoting Healthy Relationships for Student-Athletes	Angelone, D.J.	National Collegiate Athletic Association	\$ 50,000
Reaching Black Smokers: Feasibility of a Mobile Contingency Management Application	Kerwin, MaryLou	National Institutes of Health	\$ 418,777
Risk Behaviors in Young Mothers' Relationships: Foundations for Prevention Development	Joppa, Meredith	New Jersey Health Foundation, Inc.	\$ 27,810
Development and Validation of a Simulated Workplace Intervention to Improve Employment	Soreth, Michelle	The Governor's Council for Medical Research and	\$ 399,132
Mechanisms of change for smoking cessation in Schizophrenia using Mobile CM + ACT	Raiff, Bethany	National Institutes of Health	\$ 1,118,554
TRI PTRC Subcontract	Kirby, Kimberly	Treatment Research Institute	\$ 154,670
Ring in the New Year! The Utilization of Mobile Apps to Keep New Year's Resolutions	Haugh, Jim	Qualtrics, LLC	\$ 15,000
Mentoring Programs for Reducing Delinquency in Younger Adolescents in and out of the Juvenile Justice System: A Systematic Review	Evans-Chase, Michelle	The Campbell Collaboration	\$ 17,648
Summer Undergraduate Research at Rowan University	Haugh, Jim	American Psychological Association	\$ 35,826
Cancer Patient Preferences and Attitudes about Stepped-Care Models of Depression Treatment	Haugh, Jim	Qualtrics, LLC	\$ 2,250

# College of Science & Mathematics

## Proposals Continued

### Psychology (continued)

Title	Principal Investigator	Sponsor	Requested Amount
FAA Center of Excellence for Technical Training and Human Performance	Angelone, Bonnie	Federal Aviation Administration	\$ -
Developing a Telehealth Model of Parent-Implemented Intervention for Adolescents with Autism	Soreth, Michelle	Organization for Autism Research	\$ 29,956
A Randomized Controlled Trial of Internet-based Mindfulness Meditation with Incarcerated Boys	Evans-Chase, Michelle	National Institute of Justice	\$ 150,000
Dating Violence and Sexual Risk Prevention for Young Mothers	Joppa, Meredith	National Institutes of Health	\$ 425,312
Reaching Black Smokers: Feasibility of a Mobile Contingency Management Application	Kerwin, MaryLou	National Institutes of Health	\$ 446,429

### Health and Exercise Science

Title	Principal Investigator	Sponsor	Requested Amount
Get FIT: Fitness and nutrition for people with intellectual and developmental disabilities and their caregivers	Spencer, Leslie	Gertrude L. Hirsch Charitable Trust	\$ 7,500
Get FIT: Fitness and nutrition for persons with intellectual and developmental disabilities and their caregivers	Spencer, Leslie	The Achelis Bodman Foundations	\$ 68,188
Building Motivational Interviewing into a Medical School Curriculum to Improve Communication and Outcomes	Spencer, Leslie	The Josiah Macy Jr. Foundation	\$ 300,224
Pilot Test of the Get FIT Model in Southern NJ YMCA's serving Disadvantaged Communities: Creating full accessibility for people with developmental disabilities	Spencer, Leslie	Cigna Foundation	\$ 97,619
Training Health Professionals, Medical Students and Family Practice Residents to use Motivational Interviewing Strategies to Improve Communication and Shared Decision-Making among Patients with Metastatic Breast Cancer and their Caregivers	DiRosa, Laurie	Pfizer Inc.	\$ 167,475
Get FIT: Fitness and nutrition for people with intellectual and developmental disabilities and their caregivers	Spencer, Leslie	Walmart Community Giving	\$ 2,500
Effect of a Motivational Interviewing-based dietary intervention on developmentally disabled persons	Spencer, Leslie	New Jersey Health Foundation, Inc.	\$ 23,408
Parent/Teen Driving Orientation Program	Rattigan, Peter	State Farm	\$ 18,793
Fit To ECSELL (Every Child Stronger, Every Life Longer)	Rattigan, Peter	Target Foundation	\$ 144,247
Training Health Practitioners to use Motivational Interviewing Strategies to Change Patient Health Outcomes	Spencer, Leslie	Robert Wood Johnson Foundation	\$ 69,255
Live Healthy Gloucester County Coalition (Letter of Intent)	Spencer, Leslie	Robert Wood Johnson Foundation	\$ -
Play Everywhere: Sport Science Challenge	Biren, Greg	KaBOOM!	\$ 50,000
Simultaneous Assessment of Various Motor Symptoms of Multiple Sclerosis (Pre-Proposal)	Uygur, Mehmet	US Department of Defense	\$ -

# 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>	-	\$ -	3	\$ 37,771	\$ 1,972,927
<b>Biomedical Sciences</b>	20	\$ 4,015,850	3	\$ 13,500	\$ 100,501
<b>OBGYN</b>	1	\$ -	-	\$ -	\$ -
<b>Multicultural Affairs</b>	1	\$ 17,125	2	\$ 48,143	\$ 652,435
<b>Student Affairs</b>	1	\$ 2,600,000	-	\$ -	\$ -
<b>Radiology</b>	1	\$ 30,226	-	\$ -	\$ -
<b>Emergency Medicine</b>	-	\$ -	1	\$ 12,064	\$ 162,864
<b>Total</b>	<b>24</b>	<b>\$ 6,663,201</b>	<b>9</b>	<b>\$ 111,478</b>	<b>\$ 2,888,727</b>

### Awards

#### Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
CMSRU Primary Care Academic Administrative Unit	Mahamitra, Nirandra	Health Resources and Services Administration	\$ 159,927	\$ 11,846
Educating future primary care providers for transforming health care systems	Reboli, Annette	Health Resources and Services Administration	\$ 350,000	\$ 25,925
Statewide Trauma Registry	Young, Gary	New Jersey Department of Health	\$ 1,463,000	\$ -

#### Biomedical Sciences

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
ANK-dependent ATP efflux causes calcium pyrophosphate deposition in cartilage	Williams, Charlene	Medical College of Wisconsin	\$ 22,000	\$ -
Temporal Lobe Epilepsy and Retrotransposons	Ferraro, Thomas	University of Pennsylvania (Prime: University of Pennsylvania)	\$ 43,501	\$ 13,500
Use of Human Cartilage Cells to Screen Drugs for Therapeutic Potential to Prevent the Progression of Osteoarthritis	George-Weinstein, Mindy	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -

#### Multicultural Affairs

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Health Careers Opportunity Program	Mitchell-Williams, Jocelyn	Health Resources and Services Administration	\$ 649,935	\$ 48,143
CMSRU's PULSE Program	Mitchell-Williams, Jocelyn	Dolfinger-McMahon Foundation	\$ 2,500	\$ -

#### Emergency Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Post resuscitation PaCO2 and neurological outcome after cardiac arrest	Roberts, Brian	National Institutes of Health	\$ 162,864	\$ 12,064

# Cooper Medical School of Rowan University Proposals

## Biomedical Sciences

Title	Principal Investigator	Sponsor	Requested Amount
NIH Small Technology Transfer Research Program Phase I	George-Weinstein, Mindy	Genisphere, LLC (Prime: National Science Foundation)	\$ 75,043
Targeting the Progenitors of Myofibroblasts to Prevent Posterior Capsule Opacification	George-Weinstein, Mindy	Seeing is Believing	\$ 199,962
Response of Human Articular Chondrocytes to Extracellular Matrix Protection Factors	George-Weinstein, Mindy	Philadelphia College of Osteopathic Medicine	\$ 36,250
Neuroimmunology of inflammatory arthritis	Bottaro, Andrea	National Institutes of Health	\$ 395,279
Severe Obesity and Mobile DNA	Ferraro, Thomas	University of Pennsylvania (Prime: National Institutes of Health)	\$ 75,426
Abuse of prescription benzodiazepines	Fischer, Bradford	Peter F. McManus Charitable Trust	\$ 49,818
Lymphoid tissue stromal cells and inflammation	Bottaro, Andrea	National Institutes of Health	\$ 434,329
Neuroimmune regulation of inflammatory arthritis	Bottaro, Andrea	New Jersey Health Foundation, Inc.	\$ 35,000
Somatic Cell Gene Mutations in Brains of Humans with Temporal Lobe Epilepsy	Buono, Russell	New Jersey Health Foundation, Inc.	\$ 35,000
A novel mechanism for calcium crystal-associated arthritis	Williams, Charlene	New Jersey Health Foundation, Inc.	\$ 35,000
Use of Human Cartilage Cells to Screen Drugs for Therapeutic Potential to Prevent the Progression of Osteoarthritis	George-Weinstein, Mindy	New Jersey Health Foundation, Inc.	\$ 35,000
The role of incentive structure on student participation in two active learning models in medical schools	Lopez, Osvaldo	International Association of Medical Science Educators - IAMSE	\$ 3,000
Cannabinoid-induced Dysfunction of Serotonin Neurotransmission During Development	Carrasco, Gonzalo	National Institutes of Health	\$ 432,990
Targeting the Progenitors of Myofibroblasts for the Prevention of Posterior Capsule Opacification	George-Weinstein, Mindy	Sharpe-Strumia Research Foundation	\$ 50,000
Neuroimmunology of inflammatory arthritis	Bottaro, Andrea	National Institutes of Health	\$ 437,701
Mobile DNA and Ingestive Behavior	Ferraro, Thomas	University of Pennsylvania (Prime: National Institutes of Health)	\$ 71,400

# Cooper Medical School of Rowan University Proposals Continued

## Biomedical Sciences (continued)

Title	Principal Investigator	Sponsor	Requested Amount
Evaluating the incidence of antibiotic resistant <i>Helicobacter pylori</i> infections in low-income communities and designing evidence-based strategies for its eradication	Phadtare, Sangita	Bill and Melinda Gates Foundation	\$ 100,000
The Role of Bladder Stiffness in the Pathogenesis of Bacterial Urinary Tract Infections	DiSanto, Michael	National Institutes of Health	\$ 125,000
Hands-On: Creating STEMM Learning Communities in Underserved Camden Middle Schools	Lopez, Osvaldo	National Institutes of Health	\$ 1,297,096
Severe obesity and Mobile DNA	Ferraro, Thomas	University of Pennsylvania (Prime: National Institutes of Health)	\$ 92,556

## OBGYN

Title	Principal Investigator	Sponsor	Requested Amount
Defining maternal/fetal risks of a breast cancer diagnosis in pregnancy: psychosocial effects on the patient; behavioral/developmental outcomes on the children	Cardonick, Elyce	US Department of Army	\$ -

## Multicultural Affairs

Title	Principal Investigator	Sponsor	Requested Amount
Premedical Urban Leaders Summer Enrichment Program	Mitchell-Williams, Jocelyn	The George A. Ohl, Jr. Trust	\$ 17,125

## Student Affairs

Title	Principal Investigator	Sponsor	Requested Amount
Cooper Medical School of Rowan University Scholarships for Disadvantaged Students	McGeehan, John	Health Resources and Services Administration	\$ 2,600,000

## Radiology

Title	Principal Investigator	Sponsor	Requested Amount
Education Scholar Grant	Germaine, Pauline	Radiological Society of North America	\$ 30,226



# School of Osteopathic Medicine Awards & Proposals

School of Osteopathic Medicine					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
<b>CARES Institute</b>	4	\$ 3,234,420	2	\$ -	\$ 4,108,492
<b>Cell Biology</b>	18	\$ 10,731,441	4	\$ -	\$ 381,818
<b>NJ Institute for Successful Aging</b>	7	\$ 9,027,673	5	\$ 259,896	\$ 2,369,563
<b>Obstetrics &amp; Gynecology</b>	1	\$ 437,250	2	\$ 162,250	\$ 439,650
<b>Rehabilitation Medicine</b>	1	\$ 45,000	-	\$ -	\$ 25,164
<b>Pathology</b>	1	\$ 310,368	1	\$ 14,718	\$ 309,070
<b>Psychiatry</b>	1	\$ 133,830	2	\$ -	\$ 331,720
<b>Surgery</b>	1	\$ 26,982	1	\$ 19,038	\$ 199,993
<b>Internal Medicine</b>	2	\$ 114,837	-	\$ -	\$ 30,017
<b>Molecular Biology</b>	34	\$ 28,986,571	5	\$ -	\$ 636,300
<b>Pediatrics</b>	1	\$ 1,116,047	-	\$ -	\$ -
<b>Academic Affairs</b>	3	\$ 241,176	-	\$ -	\$ -
<b>Developmental Disabilities</b>	2	\$ 874,834	2	\$ -	\$ 787,306
<b>Graduate Medical Education</b>	1	\$ 39,600	2	\$ 2,727	\$ 199,650
<b>Family Medicine</b>	4	\$ 3,371,914	1	\$ 72,074	\$ 973,000
<b>Total</b>	<b>81</b>	<b>\$ 58,691,943</b>	<b>27</b>	<b>\$ 530,703</b>	<b>\$ 10,791,743</b>

## Awards

### CARES Institute

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Regional Diagnostic Treatment Center Services - Cumberland, Gloucester, Salem, and Cape May	Finkel, Martin	NJ Department of Children and Families	\$ 1,199,998	\$ -
CARES DCP&P FY16 Contract	Finkel, Martin	NJ Department of Children and Families	\$ 2,908,494	\$ -

### Cell Biology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Student Summer Research Program at RowanSOM	Hock, Carl	New Jersey Health Foundation, Inc.	\$ 25,000	\$ -
Antimicrobial effects of Lipoxin A4	Kingsley, Yin	New Jersey Health Foundation, Inc.	\$ 34,718	\$ -
Assessing the impact of N-acetylaspartate (NAA) synthesis on energetic integrity in a mouse model of Alzheimer's disease	Francis, Jeremy	Boye Foundation	\$ 20,000	\$ -
Mechanisms of Transcription Initiation in Mitochondria	Temiakov, Dmitry	National Institutes of Health	\$ 302,100	\$ -

# School of Osteopathic Medicine

## Awards Continued

### NJ Institute for Successful Aging

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
ELAN251	Scheinthal, Stephen	Janssen Pharmaceuticals	\$ 237	\$ -
New Jersey Geriatric Education Center	Chopra, Anita	US Department of Health & Human Services	\$ 70,667	\$ 5,235
NJ Geriatric Workforce Enhancement Program	Chopra, Anita	Health Resources and Services Administration	\$ 850,000	\$ 55,556
Effects of Hurricane Sandy on Functional Limitation Trajectories of Older People	Pruchno, Rachel	National Institutes of Health	\$ 570,826	\$ 194,291
Beneficial effects of Lipoxin A4 as a potential treatment for Alzheimer's disease	Nagele, Robert	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
NJ Geriatric Workforce Enhancement Program	Chopra, Anita	Health Resources and Services Administration	\$ 842,833	\$ 4,814

### OBGYN

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
M12-671	Williams, Keith	AbbVie Inc	\$ 1,780	\$ -
M12-821	Williams, Keith	AbbVie Inc	\$ 620	\$ -
Fatty Acids-Mediated Inflammation and Ethnic Disparity in Pregnancy Outcome	Chen, Xinhua	National Institutes of Health	\$ 397,500	\$ 147,500
Fatty Acids-Mediated Inflammation and Ethnic Disparity in Pregnancy Outcome	Chen, Xinhua	National Institutes of Health	\$ 39,750	\$ 14,750

### Pathology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Comprehensive Center for Huntington Disease	Mccormack, Michael	NJ Department of Health	\$ 309,070	\$ 14,718

### Psychiatry

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Psychological Services for Abused and Neglected Children	Kane, Pamela	NJ Department of Human Services	\$ 197,890	\$ -
Veterans Health Providers Coalition:	Scheinthal, Stephen	Kennedy Health System (Prime:	\$ 133,830	\$ -

### Surgery

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Metabolic Perturbations with Autism Induced by Bisphenol A	Stein, Thomas	The Governor's Council for Medical Research and Treatment of Autism	\$ 199,993	\$ 19,038

### Graduate Medical Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
St. Jude Medical Grant	Kaiser Smith, Joanne	St Jude Medical Foundation	\$ 30,000	\$ 2,727
EOF FY17 - Graduate Biomedical	Boyd, Linda	New Jersey Higher Education	\$ 169,650	\$ -

# School of Osteopathic Medicine

## Awards Continued

### Molecular Biology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Control of cell fates by polyglutamine proteins	Ellis, Ronald	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Control of Transcription Activation by the Nematode Gli Protein TRA-1	Lin, Shin Yi	American Cancer Society	\$ 163,500	\$ -
Oxidative stress and neuronal cell death	Strich, Randy	Boye Foundation	\$ 19,800	\$ -
Stress regulated mitochondrial dynamics	Strich, Randy	National Institutes of Health	\$ 318,000	\$ -
Cyclin C mediated apoptosis	Strich, Randy	NJ Commission on Cancer Research	\$ 100,000	\$ -

### Rehabilitation Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
MRZ3002	Jermyn, Richard	Marz Pharmaceuticals	\$ 905	\$ -
Ipsen 170	Jermyn, Richard	Ipsen BioPharmaceuticals	\$ 1,667	\$ -
DS-5565-A-309	Jermyn, Richard	Daiichi Sankyo	\$ 20,062	\$ -
DS-5565-A-312	Jermyn, Richard	Daiichi Sankyo	\$ 2,530	\$ -

### Internal Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
EMR200136-573	Barone, Donald	EMD Serono	\$ 3,380	\$ -
Acorda Dalf 1016	Barone, Donald	Acorda	\$ 5,560	\$ -
EMR 700568-012	Barone, Donald	EMD Serono	\$ 550	\$ -
Redefine	Barone, Donald	EMD Serono	\$ 656	\$ -
Impact of the BETACONNECT auto-injector on BETASERON therapy adherence and patient satisfaction	Barone, Donald	Bayer Healthcare Pharmaceuticals	\$ 7,157	\$ -
Acorda DALF-PS-1016	Barone, Donald	Acorda	\$ 11,214	\$ -
TIGRIS	Barone, Donald	Biogen	\$ 1,500	\$ -

### Developmental Disabilities

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Psychiatric Services for Dually Diagnosed Persons	Kane, Pamela	NJ Department of Human Services	\$ 674,834	\$ -
Psychiatric Services for Dually Diagnosed Persons	Kane, Pamela	NJ Department of Human Services	\$ 112,472	\$ -

# School of Osteopathic Medicine Awards Continued & Proposals

## Family Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Screening, Brief Intervention and Referral to Treatment (SBIRT) Services in Primary Care	Coren, Joshua	NJ Department of Human Services	\$ 973,000	\$ 72,074

## Proposals

### CARES Institute

Title	Principal Investigator	Sponsor	Requested Amount
CARES DCP&P FY16 Contract	Finkel, Martin	NJ Department of Children and Families	\$ 2,908,494
Changing the Paradigm: CSA as a Preventable Public Health	Deblinger-Sosland, Esther	Johns Hopkins Bloomberg	\$ 194,493
Allegheny AGH Center for Traumatic Stress in Children and Adolescents	Deblinger-Sosland, Esther	Substance Abuse and Mental Health Services Administration	\$ 26,305
Testing a Multi-component Quality Indicator Package (QIP)	Deblinger-Sosland, Esther	The Medical University of	\$ 105,128

### Cell Biology

Title	Principal Investigator	Sponsor	Requested Amount
Quality control of protein synthesis	Shcherbik, Natalia	New Jersey Health Foundation, Inc.	\$ 35,000
Structure-function and biological activity of bacterial pathogenicity factor SspA	Borukhov, Sergei	New Jersey Health Foundation, Inc.	\$ 35,000
S100B: The Hand That Links Aging and Circadian Clock	Venkataraman, Venkateswar	New Jersey Health Foundation, Inc.	\$ 35,000
Gene Therapy Targeting Endogenous Oligodendrogenesis in Canavan Disease	Leone, Paola	University of Pennsylvania	\$ 43,000
microRNA-Target Interactions in Mouse Embryonic Stem	Houbaviy, Hristo	National Science Foundation	\$ 638,493
Translational rescue mechanisms in eukaryotes	Shcherbik, Natalia	National Institutes of Health	\$ 1,788,750
Antimicrobial effects of Lipoxin A4	Yin, Kingsley	New Jersey Health	\$ 34,718
Understanding the PPR protein RNA recognition code and its utility	Anikin, Mikhail	New Jersey Health Foundation, Inc.	\$ 35,000
microRNA-Target Interactions in Mouse Embryonic Stem	Houbaviy, Hristo	National Institutes of Health	\$ 300,000
Ribosome Turnover in Eukaryotes	Pestov, Dimitri	National Science Foundation	\$ 573,261
Essential Role of N-Acetyl-Aspartate in Maintaining Energetic	Francis, Jeremy	National Institutes of Health	\$ 1,610,000
Replication-Transcription Switch in Human Mitochondria	Temiakov, Dmitry	National Institutes of Health	\$ 2,012,500
Antimicrobial mechanisms of Specialized Pro-resolving	Yin, Kingsley	National Institutes of Health	\$ 2,012,500
Replication-transcription switch in human mitochondria	Temiakov, Dmitry	United Mitochondrial Disease Foundation	\$ 124,469

# School of Osteopathic Medicine

## Proposals Continued

### Cell Biology (continued)

Title	Principal Investigator	Sponsor	Requested Amount
Reelin: A new player in HAND progression	Shcherbik, Natalia	National Institutes of Health	\$ 402,500
2016 Summer Student Research Program (SMRFP)	Hock, Carl	New Jersey Health Foundation, Inc.	\$ 25,000
Regulation of poly(ADP-ribose) glycohydrolase by CK2 kinase in stem cell niche	Markov, Dmitriy	Fox Chase Cancer Center Medical Group Inc	\$ 1,006,250
Assessing the impact of N-acetylaspartate (NAA) synthesis on energetic integrity in a mouse model of Alzheimer's disease	Francis, Jeremy	Boye Foundation	\$ 20,000

### New Jersey Institute for Successful Aging

Title	Principal Investigator	Sponsor	Requested Amount
A Pilot Investigation of the Co-Development of Functional	Heid, Allison	New Jersey Health	\$ 35,000
NJ Geriatric Workforce Enhancement Program	Chopra, Anita	Health Resources and Services Administration (HRSA)	\$ 2,550,000
"Blood-based biomarkers for diagnosis and progression of Alzheimer's disease"	Nagele, Robert	National Institutes of Health	\$ 2,289,430
Beneficial effects of Lipoxin A4 as a potential treatment for Alzheimer's disease	Acharya, Nimish	New Jersey Health Foundation, Inc.	\$ 35,000
Administrative Supplement for "Effects of Hurricane Sandy on Functional Limitation Trajectories of Older Adults"	Pruchno, Rachel	National Institutes of Health	\$ 160,713
Differences in Perceived Philosophy and Empathy by Patients in DO and MD Office Practices	Noll Donald	Pennsylvania State University	\$ 99,178
Self-Management of Multiple Chronic Conditions	Pruchno, Rachel	National Institutes of Health	\$ 3,858,352

### Pathology

Title	Principal Investigator	Sponsor	Requested Amount
A Comprehensive Center for Huntington Disease	Mccormack, Michael	NJ Department of Health	\$ 310,368

### Surgery

Title	Principal Investigator	Sponsor	Requested Amount
Sulforaphane in autism. A treatment trial to confirm phenotypic improvement with sulforaphane treatment in a NJ population of individuals with autism.	Stein, Thomas	Rutgers, The State University of New Jersey	\$ 26,982

### Psychiatry

Title	Principal Investigator	Sponsor	Requested Amount
Veterans Health Providers Coalition: Education and Clinical Support	Scheinthal, Stephen	NJ Department of Health	\$ 133,830

# School of Osteopathic Medicine

## Proposals Continued

### Molecular Biology

Title	Principal Investigator	Sponsor	Requested Amount
Effects of Ethanol on TNF Induced Cytotoxicity	Pastorino, John	National Institutes of Health	\$ 397,500
Experimental evolutionary analysis of animal reproduction and genome size	Ellis, Ronald	National Institutes of Health	\$ 3,916,000
Coordinating nuclear and mitochondrial responses to oxidative stress	Strich, Randy	National Institutes of Health	\$ 397,500
Regulation by Sirtuin-3 and Mitoneet of the Permeability Transition Pore in Heart during Ischemia/Reperfusion Injury	Pastorino, John	National Institutes of Health	\$ 1,590,000
Mechanism of ABC Transporter Protein, ABCA7, in the Late-Onset Alzheimer's Disease in African American Population	Biswas, Subhasis	New Jersey Health Foundation, Inc.	\$ 35,000
Lysine methylation controls during differentiation	Law, Michael	American Cancer Society	\$ 660,000
Large-scale experimental evolution of animal reproduction and genome organization	Ellis, Ronald	National Institutes of Health	\$ 5,565,000
Translational control of mitochondrial gene expression	Henry, Michael	National Science Foundation	\$ 870,816
A new process to produce MASL as a pharmaceutical agent to prevent and treat cancer	Goldberg, Gary	New Jersey Health Foundation, Inc.	\$ 35,000
A systems approach to determining stress-activated mitochondrial/nuclear (MitoNuc) communication networks	Cooper, Katrina	National Science Foundation	\$ 601,435
Cyclin C mediated apoptosis	Strich, Randy	NJ Commission on Cancer Research	\$ 100,000
Using nematode TRA-1 to identify Hedgehog-independent regulators of Gli activity	Lin, Shin Yi	NJ Commission on Cancer Research	\$ 100,000
Defining the Roles of Notch, Ikaros, and Myc in T-cell Acute Lymphoblastic Leukemia	Demarest, Renee	American Association for Cancer Research	\$ 100,000
Novel mechanism for lysine methylation inhibition	Law, Michael	NJ Commission on Cancer Research	\$ 50,000
Novel mechanism for lysine methylation inhibition	Law, Michael	National Science Foundation	\$ 138,000
High-throughput chromatin regulatory network identification	Law, Michael	New Jersey Health Foundation, Inc.	\$ 34,075
Lysine methylation controls during differentiation	Law, Michael	National Science Foundation	\$ 1,071,730
Coordinating nuclear and mitochondrial responses to oxidative stress	Strich, Randy	National Institutes of Health	\$ 1,987,500
Control of cell fates by polyglutamine proteins	Ellis, Ronald	New Jersey Health Foundation, Inc.	\$ 35,000
Control of Transcriptional Activation by the Nematode Gli Protein TRA-1	Lin, Shin Yi	National Institutes of Health	\$ 179,994
The Roles of Notch, Myc, and Ikaros in T-cell Acute Lymphoblastic Leukemia	Demarest, Renee	NJ Commission on Cancer Research	\$ 50,000
Using nematode TRA-1 to identify regulators of Gli activity	Lin, Shin Yi	Ford Foundation	\$ 45,000
Investigating Novel Therapeutic Strategies for T-cell Acute Lymphoblastic Leukemia Treatment	Demarest, Renee	New Jersey Health Foundation, Inc.	\$ 35,000
The Participation of Hexokinase 2 in Mitochondrial Membrane Potential Depletion by a Pharmacological Akt Inhibitor	Neary, Catherine	New Jersey Health Foundation, Inc.	\$ 35,000
Regulating mitochondrial dynamics and drug sensitivity	Strich, Randy	National Institutes of Health	\$ 1,811,250
Dissecting the origins of a complex reproductive trait: nematode self fertility	Ellis, Ronald	National Institutes of Health	\$ 2,012,500
Regulation of the Gli protein TRA-1 by co-factors	Ellis, Ronald	National Institutes of Health	\$ 2,012,500
Coordinating nuclear and mitochondrial responses to oxidative stress	Strich, Randy	National Institutes of Health	\$ 2,012,500
Targeting podoplanin to inhibit oral cancer cell motility and progression	Goldberg, Gary	National Institutes of Health	\$ 2,042,971
Role of the ABC Transporter Protein, ABCA7, in the Etiology & Progression of Alzheimer's Disease in African Americans	Biswas, Subhasis	National Institutes of Health	\$ 442,750

# School of Osteopathic Medicine

## Proposals Continued

### Molecular Biology (continued)

Title	Principal Investigator	Sponsor	Requested Amount
High Throughput Identification of Novel Drug Targets	Law, Michael	Alexandrine and Alexander L. Sinsheimer Foundation	\$ 150,000
Molecular Basis of Oncogenicity in High Risk Human Papillomavirus	Biswas, Subhasis	National Institutes of Health	\$ 442,750
Oxidative stress and neuronal cell death	Strich, Randy	Boye Foundation	\$ 19,800
Producing MASL as an Anticancer Agent for Clinical Studies	Goldberg, Gary	Osteopathic Heritage Foundation	\$ 10,000

### Pediatrics

Title	Principal Investigator	Sponsor	Requested Amount
Collaborative Mental Health Care Pilot Program	Kaari, Jacqueline	New Jersey Department of Children and Families	\$ 1,116,047

### Family Medicine

Title	Principal Investigator	Sponsor	Requested Amount
Screening, Brief Intervention and Referral to Treatment (SBIRT) Services in Primary Care	Coren, Joshua	NJ Department of Human Services	\$ 460,258
Improving Healthcare to Veterans	Coren, Joshua	NJ Department of Health	\$ 50,000
RowanSOM Collaborative PCTE Initiative	Coren, Joshua	Health Resources and Services Administration	\$ 2,858,656
AAFP Adult Immunization Office Champions Project	Vermeulen, Meagan	American Academy of Family Physicians	\$ 3,000

### Developmental Disabilities

Title	Principal Investigator	Sponsor	Requested Amount
Psychiatric Services for Dually Diagnosed Persons	Kane, Pamela	NJ Department of Human Services	\$ 674,834
Children's Mental Health - Intellectual Disability Outpatient	Kane, Pamela	NJ Department of Human	\$ 200,000

### OBGYN

Title	Principal Investigator	Sponsor	Requested Amount
Epidemiology of choline and one-carbon metabolism in preterm delivery	Chen, Xinhua	National Institutes of Health	\$ 437,250

### Rehabilitation Medicine

Title	Principal Investigator	Sponsor	Requested Amount
A Randomized, Double-Blind, Placebo- and Active-Controlled Study of DS-5565 in Subjects with Pain Associated with Fibromyalgia. Protocol Code: DS5565-A-E309	Jermyn, Richard	Daiichi Sankyo Development Limited	\$ 45,000

### Graduate Medical Education

Title	Principal Investigator	Sponsor	Requested Amount
St. Jude Medical Grant	Kaiser Smith, Joanne	St Jude Medical Foundation	\$ 39,600

### Academic Affairs

Title	Principal Investigator	Sponsor	Requested Amount
Summer PREP Program	Boyd, Linda	NJ Department of Education	\$ 65,514
EOF FY17 - Graduate Biomedical	Boyd, Linda	NJ Department of Education	\$ 169,650
Rowan University School of Osteopathic Medicine 2016 Pre-Matriculation Program	Boyd, Linda	NJ Department of Education	\$ 6,012

### Internal Medicine

Title	Principal Investigator	Sponsor	Requested Amount
An Extension study to evaluate the long term safety, tolerability and efficacy of dalfampridine extended-release tablets for the treatment of chronic post-ischemic Stroke walking deficits in subjects who participated in the	Barone, Donald	Accorda Pharmaceuticals	\$ 105,533
Impact of the BETACONNECT auto-injector on	Barone, Donald	Bayer Healthcare	\$ 9,304

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