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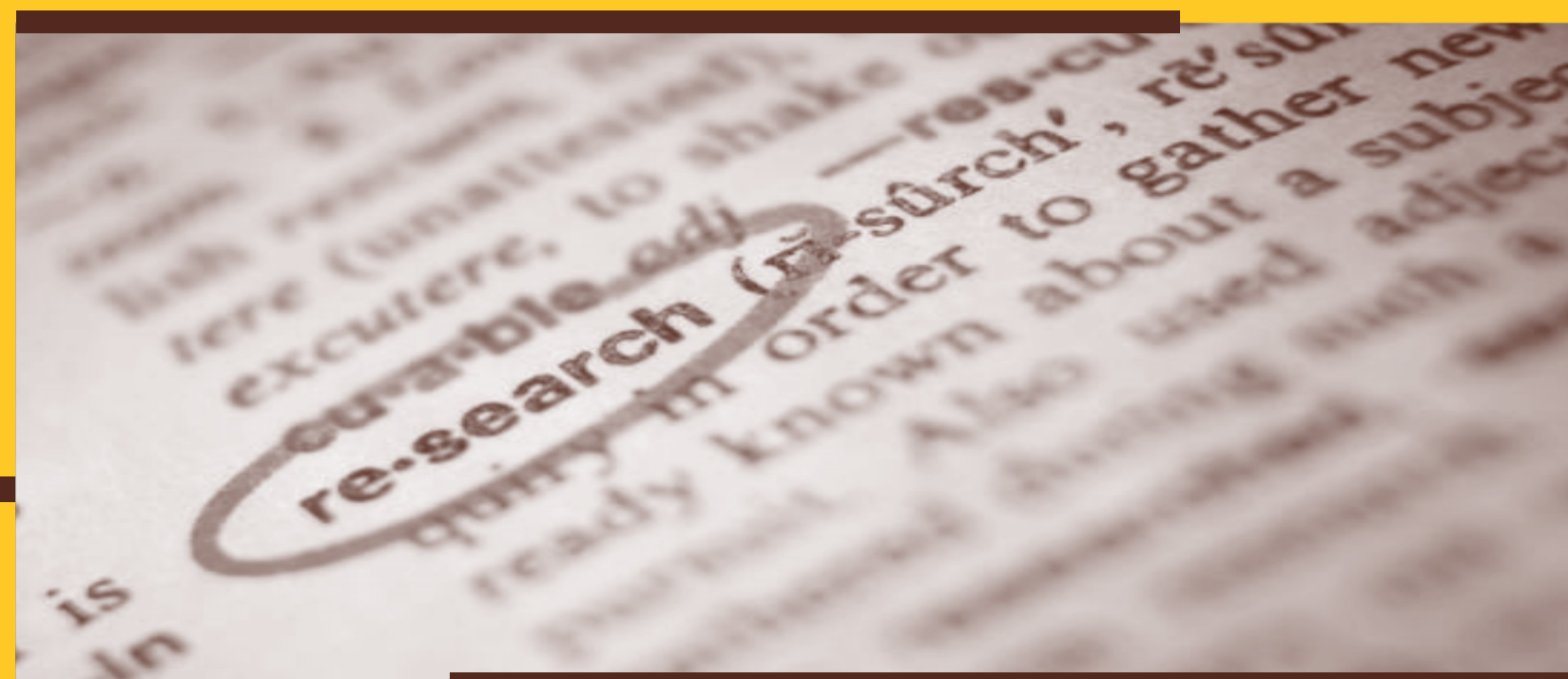
Director of Technology Commercialization

Rick Kitei

Patent Portfolio Manager

ANNUAL REPORT

2017-2018



OFFICE OF SPONSORED PROGRAMS



Division of University Research
Sam Jones Innovation Center
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SPONSORED PROGRAMS STAFF

Pre-Award Staff

Main Campus

Stephanie Lezotte Director, OSP	Lisa Powell Proposal Specialist	Cheryl Turley Proposal Specialist	Vicki Lex Contract Specialist
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Medical Schools

Mui Whetstone Director, OSP Medical	Jonathan Phillipe Proposal Specialist	Courtney Blair Proposal Specialist
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Debbie DeFelice

Secretary, Sponsored Programs Pre-Award

Post-Award Staff (Office of Grant & Contract Accounting)

Rita Piccioni Director, GCA	Beth Santini Sr. Post Award Specialist	Sheila Lewis Post Award Specialist	Marcus Smith Post Award Specialist
Lacey Murphy Post Award Specialist	Jose Garcia-Cruz Post Award Specialist	Ewa Mollini Secretary, GCA	

School of Osteopathic Medicine Proposals Continued

Rehabilitation Medicine			
Title	Project Investigator	Sponsor	Requested Amount
An Exploration in the Utilization of the Listener-Selected Music in Chronic Pain Management	Bailey, James	American Osteopathic Association (AOA)	\$ 149,996
Rowan University SOM Opioid Education for Healthcare Professionals	Jermyn, Richard	NJ Department of Health	\$ 219,561
The Effect of Music Meditation on Reducing Opioid Use in Patients with Non-Malignant Chronic Pain	Jermyn, Richard	American Osteopathic Association (AOA)	\$ 83,610
Opioid Education for Oral Health Workforce Program	Jermyn, Richard	Health Resources and Services Administration (HRSA)	\$ 399,627
Prospective, Multicenter, Cohort Study of the Cost-Effectiveness of Osteopathic Manipulative Treatment for Chronic Low Back Pain	Jermyn, Richard	American Osteopathic Association (AOA)	\$ 340,468
Development and Comparative Pilot Testing of OPEND/PORT to Life to Prevent Fatal Overdose in Patients Taking Opiates by Training them to Train Peers to Administer Naloxone to Them as Part of a Personal Overdose Response Plan	Jermyn, Richard	National Institutes of Health (NIH)	\$ 750,000
New Jersey Collaborative to Improve Access to Overdose Treatment.	Jermyn, Richard	NJ Department of Human Services	\$ 999,705

Acaemic Affairs

Title	Project Investigator	Sponsor	Requested Amount
Rowan SOM Summer Pre Medicine & Research Program (PREP)	Boyd, Linda	NJ Department of Education (NJDE)	\$ 78,394
National HCOP Academy to Support Careers in Osteopathic Medicine	Boyd, Linda	Health Resources and Services Administration (HRSA)	\$ 3,200,000
Relationship of Preceptor Entrustment Decisions with Students' Clinical Performance	Wang, Shiyuan	American Association of Colleges of Osteopathic Medicine	\$ 4,864

Executive Summary

During FY-2018, the Office of Sponsored Programs received grant awards totaling \$39M. These awards include grants and contracts from government, industry, and private sources. The Office of Corporate and Foundation Relations within University Advancement received an additional \$600k in grant funding from individuals, corporations, and foundations to support faculty scholarly and service activities.

FY-2018 Rowan University raised a total of \$39.6M for sponsored programs and projects, an increase of 14% in funds received from last year.

Dr. Beena Sukumaran
Vice President for Research

Total External Funds Raised

Unit	Office of Sponsored Programs	University Advancement	Department
Administration \$ 3,220,791	\$ -	\$ 4,976	Academic Success Center
	\$ -	\$ 3,000	Advancement
	\$ 499,103	\$ -	CHAMP/GEAR UP
	\$ 18,000	\$ -	Division of Research
	\$ 2,108,551	\$ 25,000	EOF
	\$ 275,000	\$ -	Global Learning and Partners International Center/English Language Programs
	\$ 256,250	\$ -	VR Lab
Business \$ 51,180	\$ -	\$ 51,180	
Communication and Creative Arts \$ 58,600	\$ 20,000	\$ -	Art Department
	\$ -	\$ 35,000	Art Gallery
	\$ 3,600	\$ -	Writing Arts
Cooper Medical School \$ 11,375,976	\$ 1,300,929	\$ -	Biomedical Sciences
	\$ 10,074,047	\$ -	Dean's Office
	\$ 1,000	\$ -	Multicultural Affairs
Earth & Environment \$ 1,661,171	\$ 1,023,142	\$ 65,000	Geography, Planning, and Sustainability
	\$ 573,029	\$ -	Geology
Education \$ 2,512,434	\$ 2,287,632	\$ 24,962	Center for Access Success and Equity
	\$ 109,526	\$ -	Educational Services and Leadership
	\$ 16,225	\$ -	Interdisciplinary/ Inclusive Education
	\$ 74,089	\$ -	Language, Literacy, & Sociocultural Education
Engineering \$ 7,515,126	\$ 1,141,518	\$ -	Biomedical Engineering
	\$ 3,008,273	\$ -	Chemical Engineering
	\$ 2,490,236	\$ -	Civil and Environmental Engineering
	\$ 150,000	\$ 35,000	Dean's Office
	\$ 164,757	\$ -	Electrical/Computer Engineering
	\$ 14,062	\$ 295,000	ExEED
	\$ 206,280	\$ 10,000	Mechanical Engineering

School of Osteopathic Medicine Proposals Continued

Molecular Biology

Title	Project Investigator	Sponsor	Requested Amount
Organellar Communication and Chemotherapeutics	Strich, Randy	National Institutes of Health	\$ 442,750
Cysteine Disulfide Targeting in Cancer Drug Development	Caradonna, Sal	New Jersey Health Foundation, Inc.	\$ 35,000
Excellence in Research	Ellis, Ronald	New Jersey Health Foundation, Inc.	\$ 1,000
Manipulating Apoptotic Thresholds in Cancer	Strich, Randy	National Institutes of Health	\$ 2,174,944
Regulation of cell fate decisions in yeast	Cooper, Katrina	National Institutes of Health	\$ 2,006,400
Targeting podoplanin to prevent and treat oral cancer	Goldberg, Gary	National Institutes of Health	\$ 483,000
Developing MASL to Combat Oral Cancer	Goldberg, Gary	Sentrimed	\$ 137,873
Roles of cadherins and podoplanin in contact normalization	Goldberg, Gary	National Institutes of Health (NIH)	\$ 2,012,500
Developing MASL to Combat Oral Cancer	Goldberg, Gary	Sentrimed	\$ 137,873
A novel approach to treat oral cancer	Goldberg, Gary	Harrington Discovery Institute	\$ 100,000
Coordinating nuclear and mitochondrial stress response	Strich, Randy	National Institutes of Health (NIH)	\$ 2,012,500

Graduate Medical Education

Title	Project Investigator	Sponsor	Requested Amount
St. Jude Cardiology Fellowship	Kaiser Smith, Joanne	St Jude Medical Foundation	\$ 35,600

Pathology

Title	Project Investigator	Sponsor	Requested Amount
A Comprehensive Center for Huntington Disease	Mccormack, Michael	NJ Department of Health	\$ 310,383

School of Osteopathic Medicine Proposals Continued

NJ Institute for Successful Aging

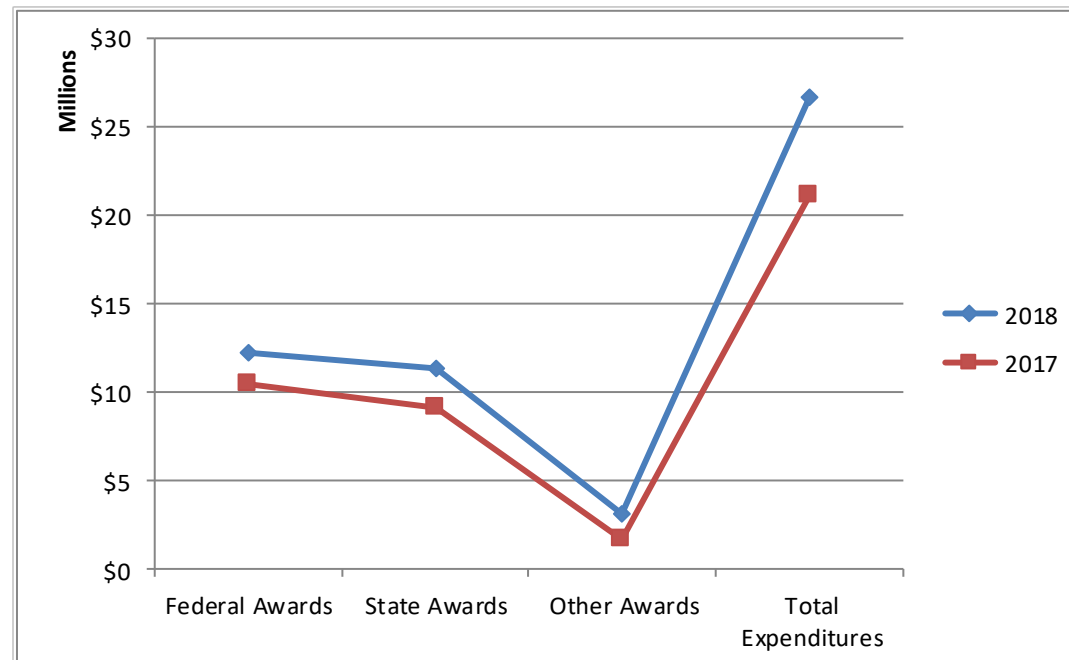
Title	Project Investigator	Sponsor	Requested Amount
House Calls and Behavioral Health Integration: Addressing Mental Health Literacy and Depression Care	Perweiler, Elyse	Community Foundation of South Jersey	\$ 50,000
A Randomized Placebo-Controlled Study of Metformin Safety and Effects on Cognition, Anxiety, Sleep, Physiologic and Biochemical Biomarkers in Fragile X Syndrome	McBride, Sean	U.S. Department of Defense	\$ 3,601,224
Randomized Placebo Controlled Study of Treatment with the PDE-4 Inhibitor Roflumilast on Safety, Cognition, Physiologic and Biomarkers in Fragile X Syndrome	McBride, Sean	U.S. Department of Defense	\$ 159,560
Self Management of Chronic Conditions	Pruchno, Rachel	National Institutes of Health	\$ 3,829,012
Use of Autoantibody Profiles to Clarify the Relationship between Postoperative Delirium and Alzheimer's Disease and Related Dementias	Nagele, Robert	Johns Hopkins Bloomberg School of Public Health	\$ 2,029,610
The Effect of OMT and a Novel Exercise Program for Falls Prevention in the Elderly	Noll, Donald	American Osteopathic Association (AOA)	\$ 119,320
Creating Great Places to Age	Perweiler, Elyse	New Jersey Future	\$ 10,000
"Inspired"- A Unique Exploration of the Human Brain and Memory	Perweiler, Elyse	Wakefern Foundation	\$ 25,000
The Gerontologist (TG) Editor in Chief Editorial Office Stipend	Pruchno, Rachel	Gerontological Society Of America	\$ 71,000
"Inspired"- A Unique Exploration of the Human Brain and Memory	Perweiler, Elyse	Wakefern Foundation	\$ 25,000
Differentiating between non-MCI and statistically determined MCI subtypes using serum antibodies.	Libon, David	Rush University (Rush Alzheimer's Disease Core Center)	\$ 30,000
NJ Geriatric Workforce Enhancement Project: 4th Year Administrative Extension	Chopra, Anita	Health Resources and Services Administration (HRSA)	\$ 850,000
Multiple Chronic Conditions: How Illness Representations and Neighborhood Characteristics Impact Self-Management & Health Trajectories	Pruchno, Rachel	National Institutes of Health (NIH)	\$ 3,847,126
Effects of Hurricane Sandy on Functional Limitation Trajectories of Older Adults	Pruchno, Rachel	National Institutes of Health (NIH)	\$ 356,298

Total External Funds Raised

	\$ 103,385	\$ -	Dean's Office
Humanities & Social Sciences	\$ 244,876	\$ 59,208	\$ - History
		\$ 14,953	\$ - Law and Justice
		\$ 67,330	\$ - Political Science & Economics
Performing Arts	\$ 40,000	\$ -	\$ 25,000 Music
		\$ -	\$ 15,000 Theatre & Dance
		\$ 4,864	\$ - Academic Affairs
		\$ 4,337,032	\$ - CARES Institute
		\$ 2,251,777	\$ - Cell Biology
		\$ 405,440	\$ - Family Medicine
		\$ -	\$ 10,000 Graduate Medical Education
School of Osteopathic Medicine	\$ 10,623,549	\$ 25,531	\$ - Internal Medicine
		\$ 713,600	\$ - Molecular Biology
		\$ 2,132,936	\$ - NJ Institute for Successful Aging
		\$ 6,254	\$ - Obstetrics and Gynecology
		\$ 2,260	\$ - Osteopathic Manipulative Medicine
		\$ 308,450	\$ - Pathology
		\$ 197,890	\$ - Psychiatry
		\$ 227,515	\$ - Rehabilitation Medicine
		\$ 332,149	\$ - Biological Sciences
		\$ 884,607	\$ - Chemistry and Biochemistry
		\$ 426,383	\$ - Computer Science
		\$ 60,000	\$ - Dean's Office
Science & Mathematics / Health Professions	\$ 2,348,784	\$ 155,884	\$ - Mathematics
		\$ 70,000	\$ - Molecular & Cell Biosciences
		\$ 269,768	\$ - Physics & Astronomy
		\$ 149,993	\$ - Psychology
TOTAL	\$ 39,652,487	\$ 39,053,369	\$ 599,118

Research Expenditures

	2018 Expenditures	2017 Expenditures	Comparison
Federal Awards	\$ 12,270,678	\$ 10,446,280	\$ 1,824,398
State Awards	\$ 11,298,766	\$ 9,094,755	\$ 2,204,011
Other Awards	\$ 3,091,913	\$ 1,639,032	\$ 1,452,881
Total Expenditures	\$ 26,661,357	\$ 21,180,067	\$ 5,481,290



School of Osteopathic Medicine Proposals Continued

Cell Biology (continued)			
Title	Project Investigator	Sponsor	Requested Amount
Clinical Gene Therapy for Canavan Disease	Leone, Paola	Wilf Family Foundation	\$ 250,000
Management of ASD through a coordinated program of biomedical research, clinical innovation and professional training in New Jersey	McBride, Sean	The Governor's Council for Medical Research and Treatment of Autism	\$ 4,000,000
Functional Neuroanatomy Underlying Psychosocial Stress-Induced Cocaine Seeking	Manvich, Daniel	National Institutes of Health (NIH)	\$ 528,448
Stress-induced mechanisms of opioid dependence	Chandler, Daniel	Alexandrine and Alexander L. Sinsheimer Foundation	\$ 200,000
Molecular mechanisms of mitochondrial transcription and replication	Temiakov, Dmitry	National Institutes of Health (NIH)	\$ 3,414,751
Psychostimulant actions on early stage sensory processing and signal detection	Waterhouse, Barry	National Institutes of Health (NIH)	\$ 1,991,150
Stress in the nucleolus and the DNA damage response	Pestov, Dimitri	National Institutes of Health (NIH)	\$ 161,000

Psychiatry

Title	Project Investigator	Sponsor	Requested Amount
NJCDD Developmental Disability Health & Wellness	Aita, Wendy	NJ Council on Developmental Disabilities	\$ 125,000
Rowan University Community Mental Health Awareness Training Program	Scheinthal, Stephen	NJ Department of Human Services	\$ 374,001
The Effectiveness of Emotional Regulation Training on Coping with the Trauma of Bullying in Autistic Adolescents	Aita, Wendy	Organization for Autism Research (OAR)	\$ 30,000
The Moral Economy of Innovation	Light, Donald	Carnegie Corporation of New York	\$ 196,998

Family Medicine

Title	Project Investigator	Sponsor	Requested Amount
DMHAS SBIRT Expansion Project	Coren, Joshua	NJ Department of Health	\$ 1,291,964
Osteopathic Philosophy and Differences in Communication, Compassion/Empathy, or Patient Satisfaction Grant	Olson, Aubrey	American Osteopathic Association (AOA)	\$ 75,000

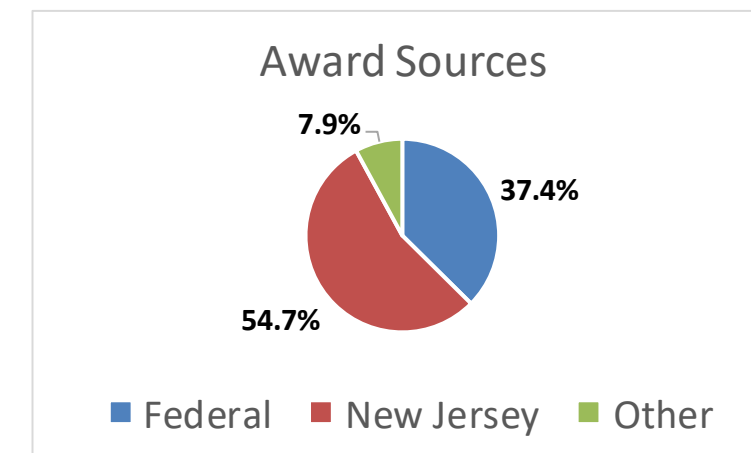
School of Osteopathic Medicine Proposals Continued

Cell Biology			
Title	Project Investigator	Sponsor	Requested Amount
Does acute stress chronically alter locus coeruleus projections to the amygdala to drive anxiety?	Chandler, Daniel	National Institutes of Health	\$ 2,012,500
Dead box RNA helicase 24: Regulation of transcription and stress response	Pestov, Dimitri	National Institutes of Health	\$ 48,300
Structural dynamics of RNAP-promoter complex in late transcription initiation	Borukhov, Sergei	University of California, Los Angeles	\$ 523,250
Persistent effects of acute stress on opioid signaling in the brain	Chandler, Daniel	New Jersey Health Foundation, Inc.	\$ 35,000
Impact of acute stress on opioid signaling in the locus coeruleus	Chandler, Daniel	Whitehall Foundation	\$ 259,909
Effects of stress on information flow in rat working memory circuitry	Devilbiss, David	New Jersey Health Foundation, Inc.	\$ 35,000
2017 Summer Medical Research Fellowship Program (SMRFP)	Hock, Carl	New Jersey Health Foundation, Inc.	\$ 25,000
Gene Therapy Targeting Oligodendroglia For White Matter Disorders	Leone, Paola	National Institutes of Health	\$ 2,380,987
The role of poly(ADP-ribose) glycohydrolase in tumorigenesis	Markov, Dmitriy	New Jersey Health Foundation, Inc.	\$ 35,000
Unconventional activation of the DNA damage-response protein kinase ATM	Pestov, Dimitri	New Jersey Health Foundation, Inc.	\$ 35,000
Ribosome as a target for iron-mediated oxidative damage	Shcherbik, Natalia	New Jersey Health Foundation, Inc.	\$ 35,000
Structural Dynamics of RNAP-Promoter Complex in Late Transcription Initiation	Borukhov, Sergei	University of California, Los Angeles	\$ 603,750
Impact of stress-induced circuit-specific changes in locus coeruleus opioid signaling on anxiety-like behavior	Chandler, Daniel	National Institutes of Health	\$ 2,012,500
Locus coeruleus dysfunction as a critical link between anxiety-like behavior and opioid abuse	Chandler, Daniel	Brain and Behavior Research Foundation	\$ 70,000
Stress and CRF modulation of sensory processing underlying cognitive flexibility	Devilbiss, David	National Institutes of Health	\$ 415,300

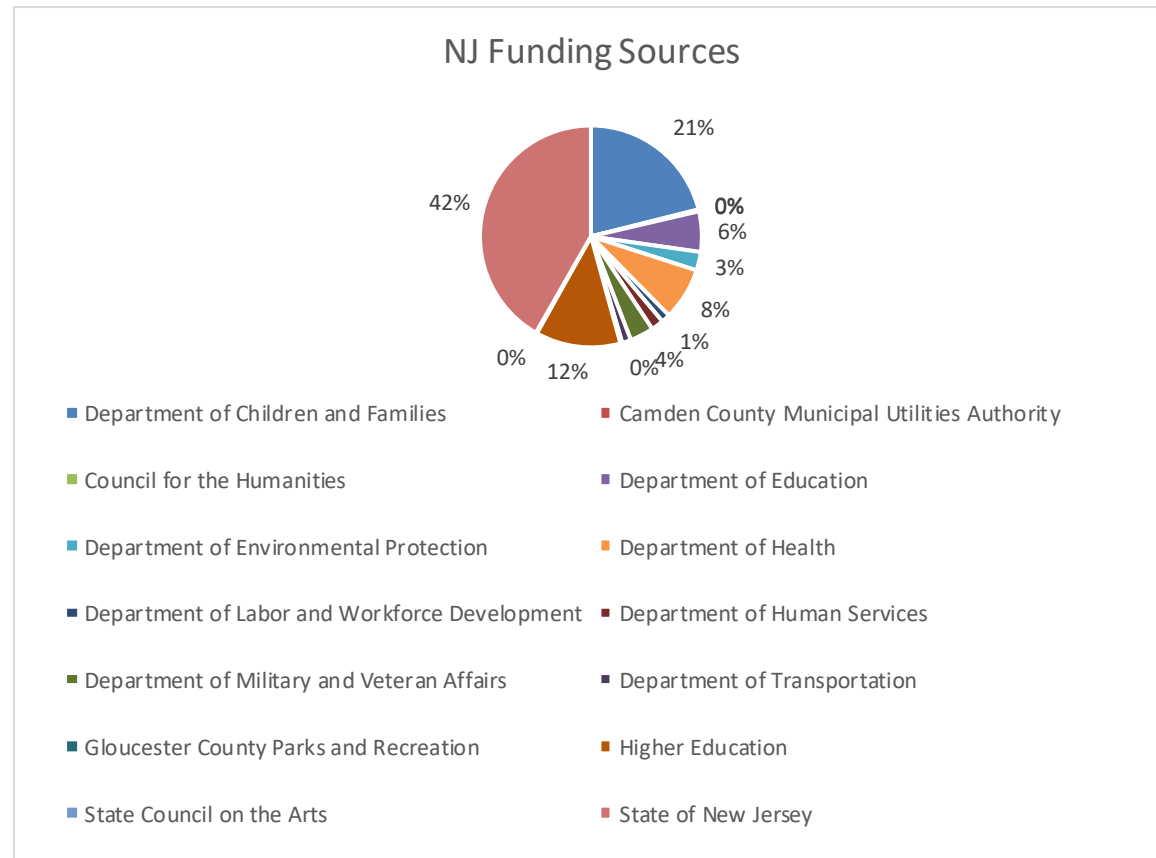
Total Grant Activity

Units	Awards		Proposals	
	FY18	FY17	FY18	FY17
Administration	14 \$3,220,791	13 \$3,181,724	8 \$390,675	8 \$7,025,010
Rohrer College of Business	2 \$51,180	0 \$0	3 \$112,373	0 \$0
College of Communication & Creative Arts	6 \$58,600	1 \$6,000	5 \$83,600	3 \$37,000
College of Education	13 \$2,512,434	11 \$1,217,585	21 \$10,287,125	33 \$15,595,250
School of Earth and Environment	13 \$1,661,171	9 \$707,247	13 \$1,102,985	16 \$2,533,402
Henry M. Rowan College of Engineering / SJTP	41 \$7,515,126	42 \$7,036,699	102 \$39,346,130	100 \$34,490,270
College of Science & Mathematics / SHP	30 \$2,348,784	24 \$1,815,996	89 \$13,250,133	92 \$20,164,702
College of Humanities and Social Sciences	6 \$244,876	5 \$218,879	12 \$2,250,055	4 \$876,515
School of Osteopathic Medicine	34 \$10,623,549	41 \$18,295,913	73 \$60,224,932	68 \$39,013,313
Cooper Medical School of Rowan University	15 \$11,375,976	12 \$1,541,905	24 \$21,119,407	20 \$5,879,435
College of Performing Arts	2 \$40,000	2 \$33,700	3 \$82,433	6 \$155,605
Total Number	176	160	353	350
Total Amount	\$39,652,487	\$34,055,648	\$148,249,848	\$125,770,502

All Funding Sources



New Jersey Sponsored Grant Activity



New Jersey Sponsors	Number	Amount
Camden County Municipal Utilities Authority	1	\$ 53,177
Council for the Humanities	1	\$ 5,000
Dept. of Children and Families (NJDCF)	2	\$ 4,548,565
Dept. of Education	3	\$ 1,272,534
Dept. of Environmental Protection	3	\$ 582,176
Dept. of Health	4	\$ 1,649,361
Dept. of Human Services	4	\$ 389,235
Dept. of Labor and Workforce Development	1	\$ 275,000
Dept. of Military and Veteran Affairs	5	\$ 748,806
Dept. of Transportation	4	\$ 280,614
Gloucester County Parks & Recreation	1	\$ 59,208
Higher Education	6	\$ 2,674,404
State Council on the Arts	3	\$ 35,000
State of New Jersey	1	\$ 9,000,000
Total	39	\$ 21,573,080

School of Osteopathic Medicine Awards Continued & Proposals

Family Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Prevention of Opioid Misuse in Women: Office on Women's Health Prevention Awards (OWHPA)	Coren, Joshua	US Department of Human Services	\$ 100,000	\$ 27,007
2017 AHEC Program	Coren, Joshua	Health Resources and Services Administration (HRSA)	\$ 304,510	\$ 9,778
Progenity PRO-109-HCP (CT)	Hudrick, Robert	Progenity	\$ 930	\$ -

Proposals

CARES Institute

Title	Principal Investigator	Sponsor	Requested Amount
Pragmatic Quality Indicator Package (P-QIP) for Measuring EBT Delivery in Community Practice	Deblinger-Sosland, Esther	The Medical University of South Carolina	\$ 120,417
CARES Institute DCP&P Contract FY19	Finkel, Martin	NJ Department of Children and Families	\$ 4,329,665

Osteopathic Manipulative Medicine

Title	Project Investigator	Sponsor	Requested Amount
Excellence in Teaching Award	Bailey, James	New Jersey Health Foundation, Inc.	\$ 1,000
Improving Accurate Prescription writing Amongst Medical Students	Cooley, Danielle	American Association of Colleges of Osteopathic Medicine (AACOM)	\$ 3,240
How OMT Impacts Relapse Rates of Non-medical Opioid Users Being Treated with Medically Assisted Treatment	Cooley, Danielle	American Osteopathic Association (AOA)	\$ 99,752

Surgery

Title	Project Investigator	Sponsor	Requested Amount
The Gut and Autism: A Metabolomic Study	Stein, Thomas	National Institutes of Health	\$ 1,217,815
Mechanism of Bacteria adhesion to medical devices: Multiscale Multiphysics simulation	Seyyedhosseinzadeh, Hamid	National Science Foundation	\$ 179,450

OBGYN

Title	Project Investigator	Sponsor	Requested Amount
Ethnic differences in HDL dysfunction during pregnancy: Their association with preterm delivery	Chen, Xinhua	National Institutes of Health	\$ 1,989,587

School of Osteopathic Medicine Awards Continued

Molecular Biology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Manipulating Mitochondrial Dynamics in ALS	Strich, Randy	Boye Foundation	\$ 35,000	\$ -
Stress regulated mitochondrial dynamics	Strich, Randy	National Institutes of Health	\$ 31,800	\$ 11,800
Regulation of the Gli protein TRA-1 by co-factors	Ellis, Ronald	National Institutes of Health	\$ 275,310	\$ 104,310
Dissecting the origins of a complex reproductive trait: nematode self fertility	Ellis, Ronald	National Institutes of Health	\$ 275,310	\$ 104,310
Cysteine Disulfide Targeting in Cancer Drug Development	Sal Caradonna	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Dissecting the origins of a complex reproductive trait: nematode self fertility	Ellis, Ronald	National Institutes of Health	\$ 30,590	\$ 11,590
Regulation of the Gli protein TRA-1 by co-factors	Ellis, Ronald	National Institutes of Health	\$ 30,590	\$ 11,590

Internal Medicine

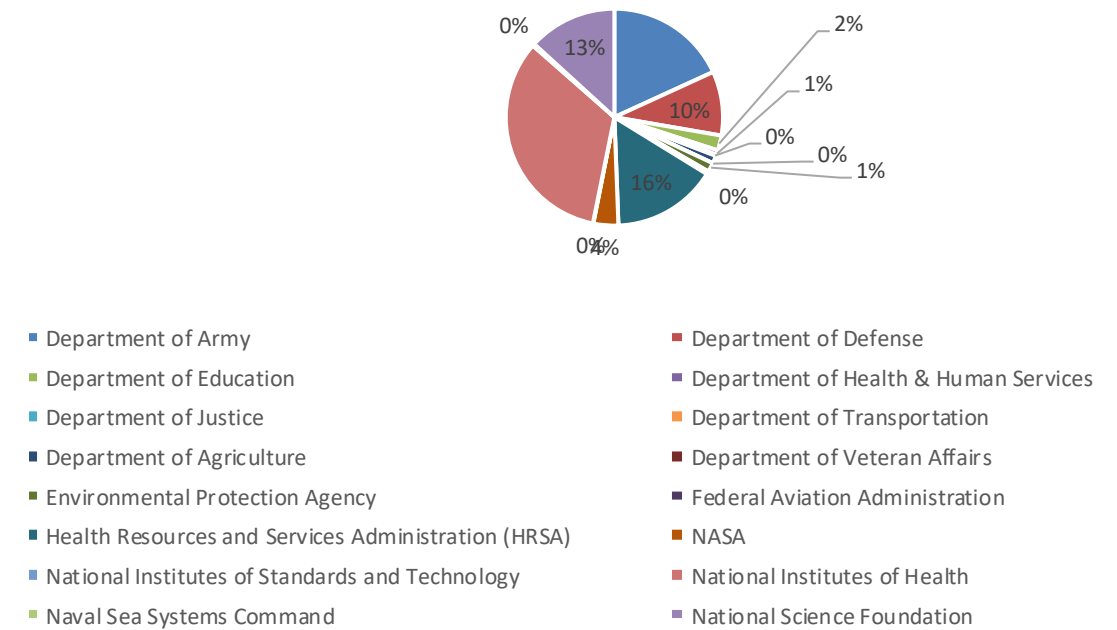
Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Acorda DALF-PS-1029 (Clinical Trial)	Barone, Donald	Acorda	\$ 1,445	\$ -
Baclofen CLR_09_21 (Clinical Trial)	Barone, Donald	Sun Pharma Advanced Research Company Ltd.	\$ 19,639	-
Bayer BETACONNECT (Clinical Trial)	Barone, Donald	Bayer	\$ 4,447	\$ -

Academic Affairs

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Relationship of Preceptor Entrustment Decisions with Students' Clinical Performance	Wang, Shiyuan	American Association of Colleges of Osteopathic Medicine	\$ 4,864	\$ -

Federally Sponsored Grant Activity

Federal Funding Sources



Federal Sponsors	Number	Amount
Brookhaven National Laboratory	1	\$ 15,000
Council for the Advancement and Support of Education	1	\$ 3,000
Department of Army	5	\$ 2,678,879
Department of Defense	2	\$ 1,410,000
Department of Education	3	\$ 330,339
Department of Human Services	1	\$ 100,000
Department of Justice	1	\$ 14,953
Department of Transportation	1	\$ 12,498
Dept. of Agriculture	1	\$ 170,000
Environmental Protection Agency	2	\$ 203,119
Federal Aviation Administration	2	\$ 65,668
Health Resources and Services Administration	5	\$ 2,301,936
National Aeronautics and Space Administration	3	\$ 547,378
National Institute of Standards and Technology	1	\$ 8,919
National Institutes of Health	28	\$ 4,913,244
National Science Foundation	12	\$ 1,948,994
Naval Sea Systems Command (NAVSEA)	1	\$ 45,000
Total	70	\$ 14,768,927

Other Activity

Other	Number	Amount
AbbVie	CT	\$ 6,254
Acorda	CT	\$ 1,445
Advanced Infrastructure Design	1	\$ 3,000
Allegheny-Singer Research Institute	1	\$ 7,367
American Association of Colleges of Osteopathic Medicine	2	\$ 7,124
American Cancer Society	1	\$ 20,000
American Chemical Society	2	\$ 125,000
American Friends of the Erhard-Jensen Ontological/Phenomenological Initiative	1	\$ 3,600
American Heart Association	2	\$ 225,500
AT&T Foundation	1	\$ 25,000
Autism Speaks	1	\$ 4,976
Avante Pharmaceuticals	1	\$ 10,000
Bayer	CT	\$ 4,447
Boye Foundation	2	\$ 70,000
Bristol-Myers Squibb	1	\$ 40,000
California Breast Cancer Research Program	1	\$ 39,883
Cardolite Corporation	1	\$ 2,800
Cargill, Inc.	1	\$ 2,780
Coby Foundation LTD	1	\$ 10,000
Community Foundation of South Jersey	1	\$ 50,000
COVANTA	1	\$ 60,000
Daiichi Sankyo	CT	\$ 7,515
Dolfinger-McMahon Foundation	1	\$ 1,000
Energy Creates Energy	1	\$ 10,000
F. M. Kirby Foundation	1	\$ 20,000
Forman S. Acton Educational Foundation	2	\$ 97,856
Genesis Packing Technologies	1	\$ 13,080
Johnson Matthey	2	\$ 62,145
Kern Family Foundation	1	\$ 295,209
Les Paul Foundation	1	\$ 25,000

School of Osteopathic Medicine Awards Continued

NJ Institute for Successful Aging

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
House Calls and Behavioral Health Integration: Addressing Mental Health Literacy and Depression Care	Perweiler, Elyse	Community Foundation of South Jersey	\$ 50,000	\$ 3,703
Creating Great Places to Age	Perweiler, Elyse	New Jersey Future	\$ 10,000	\$ -
Effects of Hurricane Sandy on Functional Limitation Trajectories of Older People	Pruchno, Rachel	National Institutes of Health	\$ 480,836	\$ 145,126
NJ Geriatric Workforce Enhancement Project: 4th Year Administrative Extension	Chopra, Anita	Health Resources and Services Administration (HRSA)	\$ 850,000	\$ 48,741
Blood-based biomarkers for early-stage Alzheimer's disease	Nagele, Robert	National Institutes of Health	\$ 688,674	\$ 259,671
Effects of Hurricane Sandy on Functional Limitation Trajectories of Older People	Pruchno, Rachel	National Institutes of Health	\$ 53,426	\$ 16,125

Pathology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
A Comprehensive Center for Huntington Disease	Mccormack, Michael	NJ Department of Health	\$ 308,450	\$ 4,896

Graduate Medical Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
St. Jude Cardiology Fellowship	Smith, Joanne Kaiser	St Jude Medical Foundation	\$ 10,000	\$ 909

Rehabilitation Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Daiichi Sankyo DS5565-A-E309 (Clinical Trial)	Jermyn, Richard	Daiichi Sankyo	\$ 7,515	\$ -
Rowan University SOM Opioid Education for Healthcare Professionals	Jermyn, Richard	NJ Department of Health	\$ 220,000	\$ -

School of Osteopathic Medicine Awards Continued

Cell Biology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Therapeutic Targeting of Energetic Metabolism in ALS	Francis, Jeremy	Boye Foundation	\$ 35,000	\$ -
Do Cocaine and Chronic Stress Converge in the Basolateral Amygdala?	Loweth, Jessica	National Institutes of Health	\$ 249,000	\$ 76,155
Translational rescue mechanisms in eukaryotes	Shcherbik, Natalia	National Institutes of Health	\$ 314,025	\$ 116,525
Heterogeneous properties of LC efferents to modality-specific terminal fields	Waterhouse, Barry	National Institutes of Health	\$ 39,629	\$ 14,628
Gene Therapy of Canavan Disease	Leone, Paola	Pfizer Inc.	\$ 145,000	\$ 36,160
Heterogeneous properties of LC efferents to modality-specific terminal fields	Waterhouse, Barry	National Institutes of Health	\$ 342,920	\$ 117,921
2018 Summer Medical Research Fellowship Program (SMRFP)	Hock, Carl	New Jersey Health Foundation, Inc.	\$ 25,000	\$ -
Gene Therapy of Canavan Disease	Leone, Paola	Pfizer Inc.	\$ 354,699	\$ 95,795
Heterogeneous properties of LC efferents to modality-specific terminal fields	Waterhouse, Barry	National Institutes of Health	\$ 38,104	\$ 13,103
Replication-transcription Switch in Mitochondria	Temiakov, Dmitry	National Institutes of Health	\$ 305,900	\$ 115,900
Antimicrobial Mechanisms of Specialized Proresolving Mediators	Yin, Kingsley	National Institutes of Health	\$ 402,500	\$ 152,500

Osteopathic Manipulative Medicine

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Improving Accurate Prescription writing Amongst Medical Students	Cooley, Danielle	American Association of Colleges of Osteopathic Medicine (AACOM)	\$ 2,260	\$ -

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	\$ -

Other Activity

McGill University	1	\$	24,668
Mission Solutions Engineering	3	\$	336,595
National Association of School Psychologists	1	\$	11,670
New Jersey Future	1	\$	10,000
New Jersey Health Foundation	8	\$	270,000
Perka, Inc.	1	\$	190,672
Pfizer Inc.	2	\$	499,699
Procter Gamble	1	\$	10,000
Progenity	CT	\$	930
PSEG Nuclear, LLC	1	\$	35,000
Rowan-Rutgers Joint Board	2	\$	18,000
Sekisui Chemical Co., Ltd.	1	\$	150,000
Shimadzu	1	\$	78,500
St. Jude Medical Foundation	1	\$	10,000
Sun Pharma Advanced Research Company Ltd.	CT	\$	19,639
Syrsa Corporation	1	\$	98,400
TD Charitable Foundation	1	\$	25,000
The Geraldine R. Dodge Foundation	1	\$	65,000
The Institute for Integrative Health	1	\$	26,003
The Joseph Robert Foundation	1	\$	5,000
The Nicholson Foundation	1	\$	24,962
Turnasure LLC	1	\$	4,864
Venture Well	1	\$	26,180
W. K. Kellogg Foundation	1	\$	78,717
William Penn Foundation	1	\$	40,000
TOTAL	66	\$	3,310,480

*CT = Clinical Trial

Quarterly Comparison Data

Comparison of FY18 with FY17	PROPOSALS		AWARDS	
	#	Amount	#	Amount
18 First Quarter	67	\$ 17,058,177	50	\$ 8,814,556
17 First Quarter	65	\$ 33,818,470	42	\$ 5,059,935
18 Second Quarter	118	\$ 35,211,295	22	\$ 3,053,860
17 Second Quarter	114	\$ 29,210,303	28	\$ 6,156,317
18 Third Quarter	93	\$ 38,804,376	35	\$ 13,690,986
17 Third Quarter	98	\$ 36,264,030	37	\$ 4,430,280
18 Fourth Quarter	76	\$ 57,227,939	68	\$ 14,093,085
17 Fourth Quarter	73	\$ 26,477,699	53	\$ 18,409,117
Total: Fiscal Year 2018	354	\$ 148,301,787	175	\$ 39,652,487
Total: Fiscal Year 2017	350	\$ 125,770,502	160	\$ 34,055,649

Proposals: +3 \$ 22,479,346

Awards: +15 \$ 5,596,838

School of Osteopathic Medicine Awards & Proposals

School of Osteopathic Medicine					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
CARES Institute	2	\$ 4,450,082	2	\$ 1,990	\$ 4,337,032
Cell Biology	22	\$ 19,071,845	11	\$ 738,687	\$ 2,251,777
NJ Institute for Successful Aging	14	\$ 15,003,150	6	\$ 473,366	\$ 2,132,936
Obstetrics and Gynecology	1	\$ 1,989,587	-	\$ -	\$ 6,254
Rehabilitation Medicine	7	\$ 2,942,967	1	\$ -	\$ 227,515
Pathology	1	\$ 310,383	1	\$ 4,896	\$ 308,450
Osteopathic Manipulative Medicine	3	\$ 103,992	1	\$ -	\$ 2,260
Psychiatry	4	\$ 725,999	1	\$ -	\$ 197,890
Surgery	2	\$ 1,397,265	-	\$ -	\$ -
Internal Medicine	-	\$ 3,278,394	-	\$ -	\$ 25,531
Molecular Biology	11	\$ 9,543,840	7	\$ 243,600	\$ 713,600
Academic Affairs	3	\$ 4,864	1	\$ -	\$ 4,864
Graduate Medical Education	1	\$ 35,600	1	\$ 909	\$ 10,000
Family Medicine	2	\$ 1,366,964	2	\$ 36,785	\$ 405,440
Total	73	\$ 60,224,932	34	\$ 1,500,233	\$ 10,623,549

Awards

CARES Institute

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
AGH Center for Traumatic Stress in Children and Adolescents	Esther Deblinger-Sosland	Allegheny-Singer Research Institute	\$ 7,367	\$ 1,990
CARES DCP&P FY18 Contract	Finkel, Martin	NJ Department of Children and Families	\$ 4,329,665	\$ -

OBGYN

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
AbbVie M12-817 (Clinical Trial)	Nguyen, Maria Bich	AbbVie	\$ 1,724	\$ -
AbbVie M12-671 (Clinical Trial)	Williams, Keith	AbbVie	\$ 4,530	\$ -

Cooper Medical School of Rowan University Proposals

Multicultural Affairs

Title	Principal Investigator	Sponsor	Requested Amount
Assistant Health Coach Certification for the recruitment and entry of disadvantaged students into health and allied health professions	Mitchell-Williams, Jocelyn	Health Resources and Services Administration (HRSA)	\$ 131,787
Primary Urban Partnership (PUP)	Mitchell-Williams, Jocelyn	Dolfinger-McMahon Foundation	\$ 5,250

Biomedical Sciences

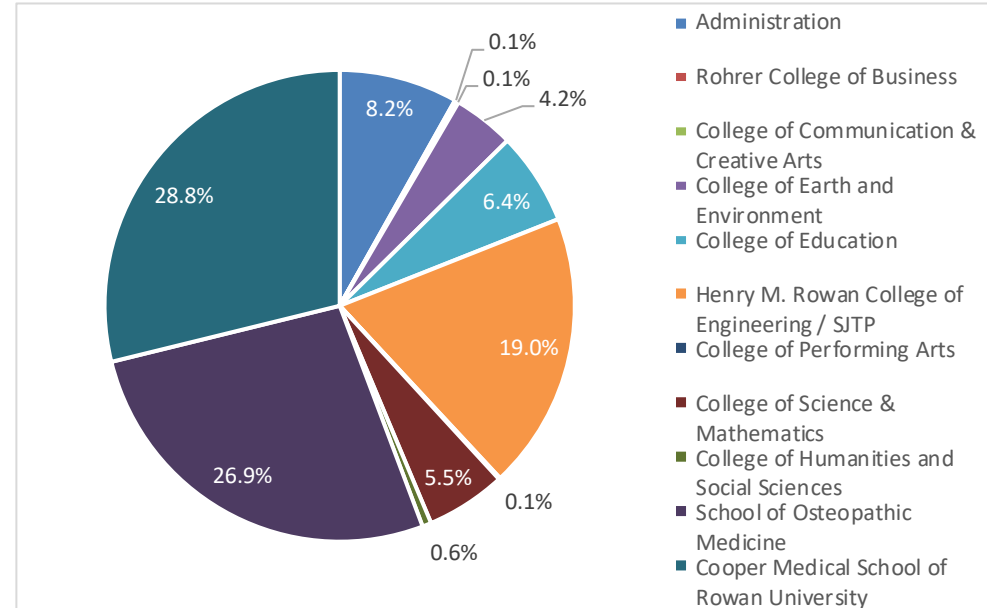
Title	Principal Investigator	Sponsor	Requested Amount
Emerin regulation of nuclear structure in cancer cell invasion	Holaska, James	Elsa U. Pardee Foundation	\$ 121,991
Emerin regulation of nuclear architecture during cancer cell invasion	Holaska, James	New Jersey Health Foundation, Inc.	\$ 35,000
Treatment of alpha-synuclein dysfunction in Parkinson's Disease by marijuana-like compounds	Carrasco, Gonzalo	New Jersey Health Foundation, Inc.	\$ 35,000
Combined Treatment with Ivabradine and Digoxin as a Novel Strategy to Ameliorate Systolic Heart Failure	Dedkov, Eduard	New Jersey Health Foundation, Inc.	\$ 35,000
The Role of Bladder Stiffness in the Pathogenesis of Bacterial Urinary Tract Infections	DiSanto, Michael	Rutgers, The State University of New Jersey	\$ 100,000
Emerin regulation of nuclear architecture during breast cancer cell invasion and metastasis.	Holaska, James	Department of Army	\$ 627,609
Molecular mechanisms of peripheral inflammatory pain	O'Leary, Michael	New Jersey Health Foundation, Inc.	\$ 35,000
Development of a novel dual inhibitor of CXCR4 and MCL-1 for the treatment of chemo-resistant Multiple Myeloma	Pandey, Manoj	New Jersey Health Foundation, Inc.	\$ 35,000
Using Peer Evaluation to Promote Student Understanding and Satisfaction during Team Based Learning Exercises	Swope, David	International Association of Medical Science Educators - IAMSE	\$ 3,000
Studies of Rgs17 overexpression in morphine-related behaviors	Ferraro, Thomas	University of Pennsylvania	\$ 881,312
Altered chromatin organization and gene expression in EDMD mutants	Holaska, James	Muscular Dystrophy Association	\$ 299,999
Emerin regulation of molecular pathways: implications for muscle disease	Holaska, James	National Institutes of Health (NIH)	\$ 483,000
Supplement for Emerin regulation of molecular pathways: implications for muscle disease	Holaska, James	National Institutes of Health (NIH)	\$ 17,774
Mutations in Osteoprotegerin Cause Calcium Pyrophosphate Disease	Williams, Charlene	Clement J. Zablocki Veterans Affairs Medical Center	\$ 167,532
Studies of Rgs17 overexpression in morphine-related behaviors	Ferraro, Thomas	University of Pennsylvania	\$ 881,312
Emerin regulation of nuclear architecture during breast cancer cell invasion and metastasis	Holaska, James	Foundation for Women's Wellness	\$ 25,000

Unit Comparison Data

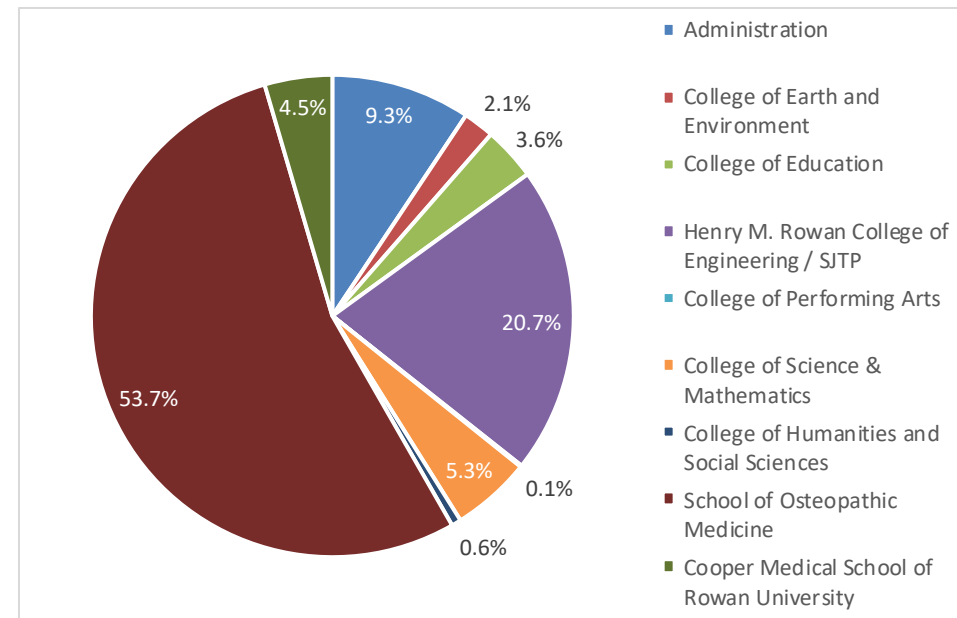
Units	Awards		Proposals	
	FY18	FY17	FY18	FY17
Administration	14 \$3,220,791	13 \$3,181,724	8 \$390,675	8 \$7,025,010
Rohrer College of Business	2 \$51,180	0 \$0	3 \$112,373	0 \$0
College of Communication & Creative Arts	6 \$58,600	1 \$6,000	5 \$83,600	3 \$37,000
College of Education	13 \$2,512,434	11 \$1,217,585	21 \$10,287,125	33 \$15,595,250
School of Earth and Environment	13 \$1,661,171	9 \$707,247	13 \$1,102,985	16 \$2,533,402
Henry M. Rowan College of Engineering / SJTP	41 \$7,515,126	42 \$7,036,699	102 \$39,346,130	100 \$34,490,270
College of Science & Mathematics / SHP	30 \$2,348,784	24 \$1,815,996	90 \$13,302,072	92 \$20,164,702
College of Humanities and Social Sciences	6 \$244,876	5 \$218,879	12 \$2,250,055	4 \$876,515
School of Osteopathic Medicine	34 \$10,623,549	41 \$18,295,913	73 \$60,224,932	68 \$39,013,313
Cooper Medical School of Rowan University	15 \$11,375,976	12 \$1,541,905	24 \$21,119,407	20 \$5,879,435
College of Performing Arts	2 \$40,000	2 \$33,700	3 \$82,433	6 \$155,605
Total Number	176	160	354	350
Total Amount	\$39,652,487	\$34,055,648	\$148,301,787	\$125,770,502

Unit Comparison Data

FY 18 Percentage of Awards by Unit



FY 17 Percentage of Awards by Unit



Cooper Medical School of Rowan University Awards & Proposals

Biomedical Sciences

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Emerin regulation of molecular pathways: implications for muscle disease	Holaska, James	National Institutes of Health	\$ 228,009	\$ 86,388
Health Careers Opportunity Program	Mitchell-Williams, Jocelyn	Health Resources and Services Administration (HRSA)	\$ 147,450	\$ 10,922
Health Careers Opportunity Program	Mitchell-Williams, Jocelyn	Health Resources and Services Administration (HRSA)	\$ 649,976	\$ 48,146
Control of adrenal catecholamine secretion: a novel role for the serotonin transporter	Currie, Kevin	American Heart Association	\$ 154,000	\$ 14,000
Clinical and Genetic Study of Prescription Opioid Addiction	Ferraro, Thomas	Geisinger Medical Center (Prime: National Institutes of Health)	\$ 16,205	\$ 6,140
Combined Treatment with Ivabradine and Digoxin as a Novel Strategy to Ameliorate Systolic Heart Failure	Eduard Dedkov	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Emerin regulation of molecular pathways: implications for muscle disease	Holaska, James	National Institutes of Health	\$ 17,774	\$ 6,734
Emerin regulation of molecular pathways: implications for muscle disease	Holaska, James	National Institutes of Health	\$ 24,158	\$ 24,158
The Role of the Glial Engulfment Receptor Jedi1 in Regulatory Sensory Neuron Function	Currie, Kevin	Vanderbilt University (Prime: National Institutes of Health)	\$ 28,357	\$ 10,744

Proposals

Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Creating a Pipeline of Physician-Scientists/Physician-Clinical Researchers by Developing Customized Pathways for Medical Students, Residents/Fellows, and Junior Faculty	Reboli, Annette	Burroughs Wellcome Fund	\$ 30,000
Comprehensive Research Initiative on the Genomics of Opioid Addiction, Treatment, and Recovery	Reboli, Annette	The State of New Jersey	\$ 9,000,000
Champions for Health Advancement through Mentoring and Primary Care Partnerships (CHAMPP)	Reboli, Annette	Health Resources and Services Administration (HRSA)	\$ 1,998,225
PTSD and Opioid Use Disorder: Neuroimaging of mechanistic link	Elman, Igor	National Institutes of Health (NIH)	\$ 2,845,309
Camden HCOP Academy	Mitchell-Williams, Jocelyn	Health Resources and Services Administration (HRSA)	\$ 3,199,985
Buprenorphine's Central Mechanism in Opioid Use Disorder	Elman, Igor	The Children's Hospital Corporation	\$ 125,322

Cooper Medical School of Rowan University Awards & Proposals

Cooper Medical School of Rowan University					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	6	\$ 17,198,841	5	\$ 37,589	\$ 10,074,047
Biomedical Sciences	16	\$ 3,783,529	9	\$ 207,232	\$ 1,300,929
Multicultural Affairs	2	\$ 137,037	1	\$ -	\$ 1,000
Total	24	\$ 21,119,407	15	\$ 244,821	\$ 11,375,976

Awards

Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Comprehensive Research Initiative on the Genomics of Opioid Addiction, Treatment, and Recovery	Reboli, Annette	The State of New Jersey	\$ 9,000,000	\$ -
Post resuscitation PaCO2 and neurological outcome after cardiac arrest	Roberts, Brian	National Institutes of Health	\$ 157,464	\$ 11,664
NJ Acute Stroke Registry Enhancement Project	Young, Gary	NJ Department of Health	\$ 499,833	\$ -
Educating future primary care providers for transforming health care systems	Reboli, Annette	Health Resources and Services Administration (HRSA)	\$ 350,000	\$ 25,925
EOF FY19 - CMSRU	Bryant, Kyhna	New Jersey Higher Education (NJHE)	\$ 66,750	\$ -

Multicultural Affairs

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Primary Urban Partnership (PUP)	Mitchell-Williams, Jocelyn	Dolfinger-McMahon Foundation	\$ 1,000	\$ -

Unit Comparison Data

Units	Percentage of Total Award \$		Percentage of Total Proposal #	
	FY18	FY17	FY18	FY17
Administration	8.1%	9.3%	2.4%	2.3%
Rohrer College of Business	0.1%	0.0%	0.8%	0.0%
College of Communication & Creative Arts	0.1%	0.0%	1.4%	0.9%
School of Earth and Environment	4.2%	2.1%	3.7%	4.6%
College of Education	6.4%	3.6%	5.9%	9.4%
Henry M. Rowan College of Engineering / SJTP	19.0%	20.7%	28.6%	28.6%
College of Performing Arts	0.1%	0.1%	0.8%	1.7%
College of Science & Mathematics	5.9%	5.3%	25.4%	26.3%
College of Humanities and Social Sciences	0.6%	0.6%	3.3%	1.1%
School of Osteopathic Medicine	26.8%	53.7%	20.6%	19.4%
Cooper Medical School of Rowan University	28.7%	4.5%	6.7%	5.7%
Total	100%	100%	100%	100%

Administration Awards & Proposals

Administration					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
CHAMP/GEAR UP	2	\$ 52,970	1	\$ 14,680	\$ 499,103
Educational Opportunity Fund	1	\$ 25,000	5	\$ -	\$ 2,133,551
VR Lab	-	\$ -	1	\$ 8,970	\$ 30,911
Student Affairs	1	\$ 1,225	-	\$ -	\$ -
Healthy Campus Initiatives	1	\$ 3,500	-	\$ -	\$ -
Academic Success Center	1	\$ 4,980	1	\$ 452	\$ 4,976
International Center/ English Language Programs	-	\$ -	2	\$ 18,982	\$ 256,250
Global Learning and Partners	1	\$ 300,000	1	\$ 91,667	\$ 275,000
Division of Research	-	\$ -	2	\$ 452	\$ 18,000
VP Advancement	1	\$ 3,000	1	\$ -	\$ 3,000
Total	8	\$ 390,675	14	\$ 134,751	\$ 3,220,791

Awards

CHAMP/GEAR UP

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
CHAMP/GEAR UP	McPherson-Myers, Penny	New Jersey Higher Education	\$ 499,103	\$ 14,680

Educational Opportunity Fund

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
EOF FY18 - Main Campus	Singleton, Dawn	New Jersey Higher Education	\$ 36,049	\$ -
EOF FY18 Camden	Singleton, Dawn	New Jersey Higher Education	\$ 24,492	\$ -
STAR	Singleton, Dawn	AT&T Foundation	\$ 25,000	\$ -
EOF FY19 - Camden	Singleton, Dawn	New Jersey Higher Education	\$ 518,828	\$ -
FY19 EOF - Glassboro	Singleton, Dawn	New Jersey Higher Education	\$ 1,529,182	\$ -

International Center/ English Language Programs

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Rowan University Upward Bound Program for English Language Learners	Olivencia, Margarita	US Department of Education	\$ 6,250	\$ 463
Rowan University Upward Bound Program for English Language Learners	Olivencia, Margarita	US Department of Education	\$ 250,000	\$ 18,519

Global Learning & Partners

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Talent Network: Construction Management	Sosa, Horacio	NJ Department of Labor and Work-force Development	\$ 275,000	\$ 91,667

Division of Research

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Alzheimer's Journey Coordinator Certificate Program	Murthy, Sree	Rowan-Rutgers Joint Board	\$ 10,000	\$ -
Alzheimer's Journey Coordinator Certificate Program	Murthy, Sree	Rowan-Rutgers Joint Board	\$ 8,000	\$ -

College of Science & Mathematics Proposals Continued

Health & Exercise Science

Title	Principal Investigator	Sponsor	Requested Amount
Effects of a Competition Season and Injury Risk Factors for Musculoskeletal Injury in Collegiate Athletes	Pletcher, Erin	New Jersey Health Foundation, Inc.	\$ 31,500
The Empower Program: Using Motivational Interviewing to Support MBC Patient Self-Advocacy and Decision-Making	Spencer, Leslie	New Jersey Health Foundation, Inc.	\$ 21,484
Building from Your "Storiez" (BYS): Using a Trauma-Informed Approach for After-School Programming for High School Youth	Vaughn, Nicole	New Jersey Health Foundation, Inc.	\$ 34,925
Navigating cultural distance: Mental health and adaptation for first-generation university students	Weaver, Robert	New Jersey Health Foundation, Inc.	\$ 27,036
PROF Academy: A Model to Enhance Overall Well-Being, Mental Health Practices and Professional Development Among Division III Student Athletes as they Transition from PROF to Professional	Bullard, JoAnne	Association for Applied Sport Psychology	\$ 2,364
Heart Rate and Velocity Based Monitoring of Fatigue in Collegiate Soccer Athletes	Pletcher, Erin	Eastern Athletic Trainers' Association	\$ 9,928
Feasibility & effects of a novel cycling intervention on Parkinsonian symptoms and health in schizophrenia	Uygur, Mehmet	Brain and Behavior Research Foundation	\$ 35,000
High-speed low-resistance cycling intervention to improve motor and non-motor symptoms in people with Parkinson's disease	Uygur, Mehmet	Davis Phinney Foundation	\$ 31,161
Vitamin D deficiency and its relationship to injury, gender, sport season, and race	Mann, Douglas	Athletic Trainers' Society of New Jersey	\$ 1,450
Examining the Impact of a Fresh Food Pharmacy Group Intervention for Individuals with Type 2 Diabetes in a Clinical Setting	Vaughn, Nicole	Cumberland/Salem/Gloucester Health Wellness Alliance, Inc.	\$ 5,000

College of Science & Mathematics Proposals Continued

Psychology (continued)

Title	Principal Investigator	Sponsor	Requested Amount
Testing Construct and Predictive Validity of the Functional Assessment for Smoking Treatment Recommendations (FASTR) Questionnaire	Raiff, Bethany	National Institutes of Health	\$ 423,409
Discharge Summary Usability	Tremoulet, Patrice	New Jersey Health Foundation, Inc.	\$ 30,080
Randomized Controlled Trial of a Six-Month Mindfulness-Based Intervention for Type 2 Diabetes	Greeson, Jeffrey	Pennsylvania State University	\$ 86,553
Online Community Reinforcement and Family Training (CRAFT) for smoking treatment entry among high risk individuals with low socio economic status.	Raiff, Bethany	American Psychological Foundation	\$ 20,000
Human Factors research and consulting for ECRI Institute	Tremoulet, Patrice	ECRI Institute	\$ 45,000
Enabling adolescents with autism to learn to drive independently	Tremoulet, Patrice	Hotpathz	\$ 18,588
Mindfulomics: Pioneering the Field of Mindfulness, Stress & Health through the 'Omics' Sciences	Greeson, Jeffrey	The Institute for Integrative Health	\$ 26,004
Trauma-informed Approach to Improve Healthy Decision Making in Adolescent Girls	Joppa, Meredith	Drexel University	\$ 38,063
Child Restraint Usability in Vehicles with Novel Seating Configurations	Tremoulet, Patrice	The Children's Hospital of Philadelphia	\$ 17,814
Preventing Lung Cancer with a Social Support Smoking Cessation Intervention	Raiff, Bethany	Lung Cancer Research Foundation	\$ 150,000

Nursing

Title	Principal Investigator	Sponsor	Requested Amount
Side by Side: Improving Health Care Delivery through an Interprofessional Collaboration Disaster Education Using Virtual Reality	Nowak, Marian	The Josiah Macy Jr. Foundation	\$ 22,439
Project Care: Increasing RNs in Primary Care by utilizing clinical practicum in primary care centers in underserved areas.	Santucci, Mary Ellen	Health Resources and Services Administration (HRSA)	\$ 212,508

Administration Awards & Proposals

Advancement

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Annual Giving Workshop and Incorporation of Alumni Engagement	Marshall, Amie	Council for Advancement and Support of Education	\$ 3,000	\$ -

VR Lab

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Visualization of unmanned aircraft systems (UAS) within a CAVE Virtual Reality Environment : A Feasibility Project	Lecakes, George	Federal Aviation Administration	\$ 30,911	\$ 8,970

Academic Success Center

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
College Compass Transition Supports @ Rowan University	Woodruff, John	Autism Speaks Inc	\$ 4,976	\$ 452

Proposals

CHAMP/GEAR UP

Title	Principal Investigator	Sponsor	Requested Amount
Summer 2017 Activity Grant - Professional Development	Wigfall, Winona	New Jersey Higher Education	\$ 2,990
CHAMP/GEAR UP at Rowan University	Wigfall, Winona	American Honda Foundation	\$ 49,980

Educational Opportunity Fund

Title	Principal Investigator	Sponsor	Requested Amount
STAR	Singleton, Dawn	ATT Foundation	\$ 25,000

Student Affairs

Title	Principal Investigator	Sponsor	Requested Amount
Archery Club	D'Elia, Andrew	USA Archery Fund	\$ 1,225

Global Learning and Partnerships

Title	Principal Investigator	Sponsor	Requested Amount
Talent Network: Construction Management	Sosa, Horacio	NJ Department of Labor and Workforce Development	\$ 300,000

Healthy Campus Initiatives

Title	Principal Investigator	Sponsor	Requested Amount
Rowan University - RU a Lifesaver Suicide Prevention	Pearce, Allie	American College Health Foundation	\$ 3,500

Academic Success Center

Title	Principal Investigator	Sponsor	Requested Amount
College Compass Transition Supports @ Rowan University	Woodruff, John	Autism Speaks Inc	\$ 4,980

VP Advancement

Title	Principal Investigator	Sponsor	Requested Amount
Annual Giving Workshop and Incorporation of Alumni Engagement	Marshall, Amie	Council for Advancement and Support of Education	\$ 3,000

College of Communication & Creative Arts

Awards & Proposals

College of Communication and Creative Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Art Gallery	2	\$ 15,000	4	\$ -	\$ 35,000
Communication Studies	1	\$ 30,000	-	\$ -	\$ -
Journalism	1	\$ 35,000	-	\$ -	\$ -
Writing Arts	1	\$ 3,600	1	\$ -	\$ 3,600
Art Department	-	\$ -	1	\$ -	\$ 20,000
Total	5	\$ 83,600	6	\$ -	\$ 58,600

Awards

Art Department

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Tobacco-free Campus Initiative	Skeffington, Thomas	American Cancer Society	\$ 20,000	\$ -

Art Gallery

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Navigating Elements	Salvante, Mary	NJ State Council on the Arts	\$ 14,000	\$ -
Rowan Art Gallery General Support	Salvante, Mary	NJ State Council on the Arts	\$ 6,000	\$ -
Heather Ujiie: Dystopian Garden Paradise	Salvante, Mary	Coby Foundation, LTD	\$ 10,000	\$ -
Heather Ujiie: Dystopian Garden Paradise	Salvante, Mary	The Joseph Robert Foundation	\$ 5,000	\$ -

Writing Arts

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
A Longitudinal Study of Ontological Learning with University Administrators, Faculty, Staff, and Doctoral Students: Disrupting Cartesian Subjectivity to Lead New Futures	Kopp, Andrew	American Friends of the Erhard-Jensen Ontological/ Phenomenological Initiative	\$ 3,600	\$ -

Proposals

Art Gallery

Title	Principal Investigator	Sponsor	Requested Amount
Heather Ujiie: Dystopian Garden Paradise	Salvante, Mary	Coby Foundation, LTD	\$ 10,000
Heather Ujiie: Dystopian Garden Paradise	Salvante, Mary	The Joseph Robert Foundation	\$ 5,000

Communication Studies

Title	Principal Investigator	Sponsor	Requested Amount
Medical Education of Compassion and Competence	Cypher, Joy	New Jersey Health Foundation, Inc.	\$ 30,000

Journalism

Title	Principal Investigator	Sponsor	Requested Amount
The Climate Change Reporting Project	Garyantes, Dianne	Online News Association	\$ 35,000

Writing Arts

Title	Principal Investigator	Sponsor	Requested Amount
A Longitudinal Study of Ontological Learning with University Administrators, Faculty, Staff, and Doctoral Students: Disrupting Cartesian Subjectivity to Lead New Futures	Kopp, Andrew	American Friends of the Erhard-Jensen Ontological/ Phenomenological Initiative	\$ 3,600

College of Science & Mathematics

Proposals Continued

Physics and Astronomy

Title	Principal Investigator	Sponsor	Requested Amount
Chemical, Metabolic, and Physiological Analysis of the Effects from Vapor Emissions of Electronic Nicotine Delivery Systems	Whiting, Nicholas	U.S. Department of Defense	\$ 119,996
Non-Invasive Targeted Molecular Imaging of PD-L1 Expression in Ovarian Cancer as an In Vivo Predictive Biomarker of Immunotherapy Response	Whiting, Nicholas	U.S. Department of Defense	\$ 335,923
Development of multifunctional coatings for neurostimulation electrodes	Hettinger, Jeffrey	New Jersey Health Foundation, Inc.	\$ 35,000
Collaborative Research: RUI: Understanding natural material chain intercalation in multiple dimensions	Hu, Xiao	National Science Foundation	\$ 132,758
Flexible Air-Spun Protein Nanofiber Materials with Sensor Modulus for Air Filtering, Drug Delivery and Tissue Regeneration	Hu, Xiao	New Jersey Health Foundation, Inc.	\$ 32,000
Collaborative Research: PIMS: Physics Inventory of Mathematical Sensemaking	Smith, Trevor	National Science Foundation	\$ 46,553
Chemical Analysis and Physiological Response Monitoring of Exposure to Vapor Emissions from Electronic Nicotine Delivery Systems	Whiting, Nicholas	New Jersey Health Foundation, Inc.	\$ 35,000
2018 Summer Undergraduate Research Fellowship (SURF) at NIST - Gaithersburg	Hu, Xiao	National Institute of Standards and Technology	\$ 8,919
Experimental and theoretical analysis of composition and ionization state effects on the dispersity and exchange processes of quaternary microemulsions.	Nucci, Nathaniel	American Chemical Society-Petroleum Research Fund (ACS PRF)	\$ 70,000
Quantifying Understanding Hidden in Wrong Answers	Smith, Trevor	National Science Foundation (NSF)	\$ 166,454

Psychology

Title	Principal Investigator	Sponsor	Requested Amount
Rowan University CEMRRAT2 TF	Frierson, Georita	American Psychological Association	\$ 9,980
Optimizing a self-directed mobile mindfulness intervention for improving cardiorespiratory failure survivors' psychological distress	Greeson, Jeffrey	Duke University	\$ 86,324
The development and validation of a novel paradigm for assessing sexual assault risk perception in MSM	Angelone, D.J.	National Institutes of Health	\$ 466,866
Dating Violence and Sexual Risk in Young Mothers' Relationships: Directions for Prevention	Joppa, Meredith	New Jersey Health Foundation, Inc.	\$ 33,240
Supporting Prevention in Relationships for Teams (SPoRT): A data-driven prevention intervention to promote healthy relationships for student-athletes	Joppa, Meredith	National Collegiate Athletic Association	\$ 19,948
Training Non-Smoking Significant Others to Provide Social Support in the Context of Internet-based Contingency Management to Prevent Smoking Relapse	Raiff, Bethany	National Institutes of Health	\$ 150,000

College of Science & Mathematics Proposals Continued

Computer Science

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: Machine Learning Framework for Computational Creativity	Ho, Shen-Shyang	National Science Foundation	\$ 439,125
The Camden Dream Project: Boosting Educational Achievement in Technology and Engineering	Kay, Jennifer	National Science Foundation	\$ 1,140,168
Perka First Data Rowan Computer Science Laboratory - Phase 4	Lobo, Andrea	Perka, Inc.	\$ 190,673
Security and Privacy of Wearable Medical Devices	Heydari, Vahid	New Jersey Health Foundation, Inc.	\$ 35,000
Rowan University's GenCyber Summer Camp	Heydari, Vahid	National Security Agency	\$ 80,678
SaTC: CORE: Small: Anti-Censorship Framework Using Mobile IPv6-based Moving Target Defense for Web Servers	Heydari, Vahid	National Science Foundation	\$ 425,132
SaTC: CORE: Small: Moving Target Defense for Internet-Controlled Systems	Heydari, Vahid	National Science Foundation	\$ 378,562
ATD: New Approaches for Anomaly Detection in Spatiotemporal Data	Ho, Shen-Shyang	National Science Foundation (NSF)	\$ 405,515
Immersive Visual Analysis for large scale and multi-dimensional Data	Sun, Bo	Brookhaven National Laboratory	\$ 15,000
Visualization and mining of metabolomics data	Hnatyshin, Vasil	Bristol-Myers Squibb (BMS)	\$ 60,000

Mathematics

Title	Principal Investigator	Sponsor	Requested Amount
A Unified Bayesian Hierarchical Framework for Pathway Analysis in Genome-Wide Association Studies	Papachristou, Charalampos	University of Texas at Dallas	\$ 138,231
REU Site: Data-Driven Predictive Modeling using Differential Equations and Machine Learning	Wang, Min	National Science Foundation	\$ 287,872
Administration and Execution of the ASRC Federal Mission Solutions/Rowan University Collaboration	Breizman, Tony	ASRC Federal	\$ 481,821
Bridging Undergraduate Student Research in Mathematics Between Four-Year and Two-Year Institutions	Nguyen, Hieu	Center for Undergraduate Research in Mathematics	\$ 18,900
Modeling nosocomial MRSA infections in intensive care units with fractional differential equations	Wang, Min	New Jersey Health Foundation, Inc.	\$ 28,075
Degenerate Elliptic Problems with Variable Exponents	Wang, Min	University of Tennessee at Chattanooga	\$ 72,225
Genetics of Preeclampsia	Bendjilali, Nasrine	New Jersey Health Foundation, Inc.	\$ 34,961
A Unified Bayesian Hierarchical Framework for Pathway Analysis in Genome-Wide Association Studies	Papachristou, Charalampos	University of Texas at Dallas	\$ 111,281

School of Earth and Environment Awards & Proposals

School of Earth and Environment					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	2	\$ 66,000	-	\$ -	\$ -
Geology	1	\$ -	3	\$ 197,746	\$ 573,029
Geography, Planning and Sustainability	10	\$ 1,036,985	10	\$ 110,293	\$ 1,088,142
Total	13	\$ 1,102,985	13	\$ 308,039	\$ 1,661,171

Awards

Geography, Planning & Sustainability

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
The New Jersey Municipal Asset Profiler Operations Support FY18	Hasse, John	F. M. Kirby Foundation	\$ 20,000	\$ -
National Guard Facilities GIS Internship Program	Hasse, John	NJ Dept. of Military and Veteran Affairs	\$ 164,901	\$ 34,027
Garbage in the Garden (State): Ecological Identity & Solid Waste Governance in New Jersey	Howell, Jordan	National Science Foundation	\$ 57,344	\$ 18,948
EPA STAR Equitable Distribution of Green Stormwater Infrastructure (GSI) Projects in Philadelphia	Meenar, Mahbubur	Temple University (Prime: U.S. Environmental Protection Agency)	\$ 28,420	\$ 5,865
Brownfields Area-Wide Plan for Philadelphia's Lower North Delaware Industrial District	Meenar, Mahbubur	US Environmental Protection Agency	\$ 174,699	\$ -
Planning for Water Quality Phase 2: developing the NJ Buildout Modeler	Hasse, John	NJ Department of Environmental Protection	\$ 479,601	\$ 42,983
The NJ Conservation Blueprint Phase 2-b	Hasse, John	New Jersey Conservation Foundation (Prime: William Penn Foundation)	\$ 40,000	\$ 3,636
Watershed Storytelling: Experiential Tools for Connecting People, Place and Water	Jennifer Kitson	New Jersey Council for the Humanities	\$ 5,000	\$ -
New Jersey Municipal Asset Profiler (2018)	Hasse, John	The Geraldine R. Dodge Foundation	\$ 65,000	\$ -
Geo-spatial Planning and Design for Camden County's Green Infrastructure	Meenar, Mahbubur	Camden County Municipal Utilities Authority	\$ 53,177	\$ 4,834

Geology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Antarctic Surface Hydrology and Future Ice-Shelf Stability	Trusel, Luke	Columbia University (Prime: National Science Foundation)	\$ 2,729	\$ 910
NSF Collaborative Research: Water on the Antarctic Ice Sheet	Trusel, Luke	National Science Foundation	\$ 97,922	\$ 32,640
OSIRIS-REx Asteroid Sample Return Mission	Connolly, Harold	University of Arizona (Prime: NASA)	\$ 472,378	\$ 164,196

School of Earth and Environment Proposals

Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
2017 STEAM Academy	Fischer, Danielle	TD Charitable Foundation	\$ 25,000
AOEP 2018-2019 UNITE RFP	Fischer, Danielle	Department of Army	\$ 41,000

Geography, Planning & Sustainability

Title	Principal Investigator	Sponsor	Requested Amount
Examining spatial inequality around food distribution and transportation in urban and rural communities	Meenar, Mahbubur	Rensselaer Polytechnic Institute	\$ 250,000
National Guard Facilities GIS Internship Program, Year 3	Hasse, John	NJ Dept. of Military and Veteran Affairs	\$ 164,901
Fair Share Housing Center NJ The NJ Conservation Blueprint Phase 2-b and Analysis 2017	Hasse, John	New Jersey Conservation Foundation	\$ 40,000
New Jersey Municipal Asset Profiler (2018)	Hasse, John	The Geraldine R. Dodge Foundation	\$ 65,000
Fair Share Housing Center NJ Land Analysis 2017	Hasse, John	Fair Share Housing Center	\$ 5,000
Watershed Storytelling: Experiential Tools for Connecting People, Place and Water	Kitson, Jennifer	New Jersey Council for the Humanities	\$ 5,000
Community Food Security in Underserved Areas: Analyzing Supply and Demand Side of Food Systems	Meenar, Mahbubur	Rensselaer Polytechnic Institute	\$ 150,000
Reconstructing Holocene Atlantic Equatorial Variability: Testing Linkages Between Tropical Variability Modes and the Green Sahara	Rustic, Gerald	National Science Foundation	\$ 178,910
Geo-spatial Planning and Design for Camden County's Green Infrastructure	Meenar, Mahbubur	Camden County Municipal Utilities Authority	\$ 53,175
NJ MAP Operational Support 2018-2019	Hasse, John	F. M. Kirby Foundation	\$ 25,000
Design/build a climate smart Children's STEAM Garden: Intersection of stormwater management, art, technology, and recreational amenities in public spaces	Meenar, Mahbubur	Woodard & Curran Foundation	\$ 99,999

College of Science & Mathematics Proposals Continued

Chemistry and Biochemistry

Title	Principal Investigator	Sponsor	Requested Amount
Broadening Mechanisms in Size-Based Separations for Polymer Characterization using Superficially Porous Particles	Grinias, James	American Chemical Society-Petroleum Research Fund	\$ 55,000
Synthesis of Pharmaceutical Compounds	Jonnalagadda, Subash	Avante Pharmaceuticals	\$ 10,050
Research and Development of Topical and Intravenous Formulations	Jonnalagadda, Subash	Teligent, Inc.	\$ 25,000
Novel trace amine-associated receptor 1 ligands for drug addiction and schizophrenia	Keck, Thomas	PhRMFoundation	\$ 100,000
Metallooxaziridines for the Synthesis of Nitrogen-Containing Three-Membered Heterocycles	Moura-Letts, Gustavo	National Science Foundation	\$ 668,046
Indole Alkaloids as Potent Analgesics	Moura-Letts, Gustavo	Syrsa Corporation	\$ 98,393
RUI: Rearrangement Reactions of Divinyldiaziridines for the Synthesis of Seven-Membered Ring N,N-Containing Heterocycles	Moura-Letts, Gustavo	National Science Foundation	\$ 297,403
Identifying Neonatal Malnourishment by Tear Fluid Analysis using Droplet Microfluidics	Grinias, James	New Jersey Health Foundation, Inc.	\$ 35,000
Portable Liquid Chromatograph for Point-of-Care Monitoring of Illicit Substances	Grinias, James	Tranxend, LLC	\$ 76,642
Assessing the anti-neuroinflammatory effects of tetrahydrocannabivarin (THCV)	Keck, Thomas	New Jersey Health Foundation, Inc.	\$ 35,000
Mycobacterium vaccae immunization for drug addiction, relapse and withdrawal	Keck, Thomas	National Institutes of Health	\$ 397,338
Answers to the Opioid Epidemic: Development of Side Effect and Addictive Free Novel Alkaloid Analgesics	Moura-Letts, Gustavo	New Jersey Health Foundation, Inc.	\$ 35,000
Hybrid Transition Metal electrocatalytic Materials for Hydrogen Evolution Reaction	Mugweru, Amos	National Science Foundation	\$ 291,141
RUI: Combined experimental and computational study on biomolecular ionic liquids for protein stabilization	Vaden, Timothy	National Science Foundation	\$ 294,581
PUI: Preparation and Modification of Carbide-Derived Carbon at Ambient and Chlorine-Free Conditions: Versatile and Controlled Porous Carbon Material for Supercapacitors and Catalysts	Yu, Lei	National Science Foundation	\$ 250,191
A Low-Cost, Open-Source Fluorescence Detector System for Bioanalytical Applications	Grinias, James	Society of Analytical Chemists of Pittsburgh	\$ 10,000
Use of New HILIC Phases for the Analysis of Drugs of Abuse	Grinias, James	Agilent Technologies	\$ 20,000
Studies on the Properties of Substituted Diazirines as Bioadhesives	Moura-Letts, Gustavo	Nanyang Technological University	\$ 20,000
Acquisition of a 400 MHz Bruker Avance III HD NMR Spectrometer for the Transformative Advancement of Undergraduate Research	Moura-Letts, Gustavo	National Science Foundation	\$ 360,806
Reactions of Vinyl and Divinyldiaziridines for the Synthesis of Heterocyclic Pharmacophores	Moura-Letts, Gustavo	National Institutes of Health	\$ 449,024
Azulenylalanine for mechanistic studies and development of antimicrobial peptides and protease-resistant antimicrobial hydrogels	Caputo, Gregory	Syracuse University	\$ 139,224

College of Science & Mathematics Proposals

Biological Sciences

Title	Principal Investigator	Sponsor	Requested Amount
Microbial regulation of individual and social behaviors in honey bees	Vojvodic, Svjetlana	National Science Foundation	\$ 639,656
Bacterial Biosorption of Soluble Lead	Hecht, Gregory	National Science Foundation	\$ 322,381
Gut microbial regulation of individual and social behaviors in honey bees	Vojvodic, Svjetlana	New Jersey Health Foundation, Inc.	\$ 34,940
Altered gut microbiome influencing learning and memory in honey bee	Vojvodic, Svjetlana	North American Pollination Protection Campaign	\$ 10,000

Molecular & Cellular Biosciences

Title	Principal Investigator	Sponsor	Requested Amount
Revealing the epigenome of difficult to interrogate cell populations using the chemotherapeutic agent Bleomycin	Carone, Benjamin	New Jersey Health Foundation, Inc.	\$ 34,500
The Development of Radio- Laser Photothermal Therapy (R-LPTT) as a Novel Platform Technology for Treating Tumors	Dobbins, Tabbetha	New Jersey Health Foundation, Inc.	\$ 35,000
Characterizing a new hypoxic signaling pathway	Hickman, Mark	New Jersey Health Foundation, Inc.	\$ 35,000
Development of small inhibitors of herpes simplex virus infection.	Krummenacher, Claude	New Jersey Health Foundation, Inc.	\$ 35,000
Optimization and characterization of a novel matrix for delivery of small molecule, carbohydrate, and protein-based therapeutics.	Nucci, Nathaniel	New Jersey Health Foundation, Inc.	\$ 35,000
Elucidating the impact of the Npc1nmf164 mutation in the postnatal cerebellar development of a mouse model of Niemann-Pick Type C disease.	Soto, Ileana	National Institutes of Health	\$ 419,088
Investigating the capacity of induced and targeted H3K9 methylation to elicit robust epigenetic programming	Carone, Benjamin	National Institutes of Health	\$ 449,262
Combining Checkpoint Blockade Immunotherapy with Targeted Hyperthermia to Improve the Treatment of Resistant Lung Cancer	Whiting, Nicholas	Lung Cancer Research Foundation	\$ 149,981

College of Education Awards & Proposals

College of Education					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Interdisciplinary/Inclusive Education	4	\$ 1,292,864	2	\$ 1,475	\$ 16,225
STEAM Education	1	\$ 15,600	-	\$ -	\$ -
Educational Services and Leadership	3	\$ 877,730	3	\$ 8,824	\$ 109,526
Center for Access, Success, and Equity	10	\$ 7,943,041	7	\$139,589	\$ 2,312,594
Language, Literacy, & Sociocultural Education	3	\$ 157,890	1	\$ -	\$ 74,089
Total	21	\$10,287,125	13	\$149,888	\$ 2,512,434

Awards

Educational Services and Leadership

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
National Association of School Psychologists Standards Revision - Graduate Assistant	Williams, Barbara	National Association of School Psychologists	\$ 11,670	\$ -
Forman S Acton: Evaluating the Effectiveness of Initiatives	Kerrigan, Monica	Forman S. Acton Educational Foundation	\$ 24,489	\$ 2,154
Forman S Acton: Evaluating the Effectiveness of Initiatives	Kerrigan, Monica	Forman S. Acton Educational Foundation	\$ 73,367	\$ 6,670

Center for Access, Success, and Equity

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
The Beginning Teacher Project: Building Capacity and Professional Learning	Vernon-Dotson, Lisa	NJ Department of Education	\$ 113,931	\$ 8,440
The Beginning Teacher Project: Building Capacity and Professional Learning	Vernon-Dotson, Lisa	NJ Department of Education	\$ 21,118	\$ 1,971
Early Childhood Leadership Fellowship Program	Isik-Ercan, Zeynep	The Nicholson Foundation	\$ 24,962	\$ 2,269
Southern Learning Resource Center at Rowan University	Vernon-Dotson, Lisa	NJ Department of Education (NJDE)	\$ 1,137,485	\$ 90,999
2018 Early Intervention Program	Dihoff, Roberta	NJ Department of Health	\$ 621,078	\$ -
Early Childhood Leadership Institute - Grow NJ Kids	Isik-Ercan, Zeynep	NJ Department of Human Services	\$ 175,120	\$ 15,920
Early Childhood Leadership Institute Partnership on NJ MD Home Visiting Innovation Project	Isik-Ercan, Zeynep	New Jersey Department of Children and Families (NJDCF)	\$ 218,900	\$ 19,990

Interdisciplinary and Inclusive Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Early Childhood Leadership Institute - Grow NJ Kids	Isik-Ercan, Zeynep	NJ Department of Human Services	\$ 9,295	\$ 845
Early Childhood Leadership Institute - Grow NJ Kids	Isik-Ercan, Zeynep	NJ Department of Human Services	\$ 6,930	\$ 630

Language, Literacy, & Sociocultural Education

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Language, Literacy, and Cultural Practices in Oaxaca, Mexico: A Rowan Summer Experience for K-12 Educators	Abraham, Stephanie	US Department of Education	\$ 74,089	\$ -

College of Education Proposals

Educational Services and Leadership

Title	Principal Investigator	Sponsor	Requested Amount
NASP Graduate Assistant Position 2017-2018	Williams, Barbara	National Association of School Psychologists	\$ 11,670
Forman S. Acton Educational Foundation Multi-Year Evaluation Grant	Kerrigan, Monica	Forman S. Acton Educational Foundation	\$ 859,185
Resident Assistants and Student Suicide: An investigation into RA experiences	Walpole, MaryBeth	Association of College and University Housing Officers - International (ACUHO-I)	\$ 6,875

Language, Literacy, & Sociocultural Education

Title	Principal Investigator	Sponsor	Requested Amount
Am I Allowed to Be Bilingual Here?: Languages and Literacies in a Bilingual After-School Program	Abraham, Stephanie	Spencer Foundation	\$ 50,000
Civic Engagement in the Era of Urban Gentrification: Reimagining Community Through A Youth-Led Participatory Action Research and Community Capitals Asset Mapping Project in West Philadelphia	Sung, Kenzo	Drexel University	\$ 37,890
Imperial Eyes on the Prize: British and American Educational Reforms, National Discourses, and Legacies of Empire in the Postwar Era	Sung, Kenzo	Spencer Foundation	\$ 70,000

STEAM Education

Title	Principal Investigator	Sponsor	Requested Amount
A study of middle school students' online learning experiences	Kuo, Yu-Chun	Spencer Foundation	\$ 15,600

Interdisciplinary/Inclusive Education

Title	Principal Investigator	Sponsor	Requested Amount
Predictors of Success for College Students with ASD: A Multi-University Project	Accardo, Amy	Organization for Autism Research (OAR)	\$ 29,987
Developing and Implementing an Emotion Coaching Intervention for Teachers in Early Intervention and Inclusive Early Childhood Settings	Edwards, Nicole	Institute of Education Sciences (IES)	\$ 1,221,616
Keepers of Memory: The Holocaust and Transgenerational Identity Formation	Rich, Jennifer	Hadassah-Brandeis Institute	\$ 2,000
Critical Analysis of the New Jersey Holocaust Education Mandate	Rich, Jennifer	Spencer Foundation	\$ 39,261

College of Science & Mathematics Awards Continued

Physics and Astronomy

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Understanding Synergistic Effects of Nano-Confinement and Catalysis on Methane Gas and Syn-Gas Synchrotron X-ray and Neutron Characterization	Dobbins, Tabbetha	American Chemical Society-Petroleum Research Fund	\$ 70,000	\$ -
Johnson Matthey Materials Characterization	Hettinger, Jeffrey	Johnson Matthey	\$ 28,945	\$ 9,648
Development of multifunctional coatings for neurostimulation electrodes	Hettinger, Jeffrey	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Chemical Analysis and Physiological Response Monitoring of Exposure to Vapor Emissions from Electronic Nicotine Delivery Systems	Whiting, Nicholas	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
2018 Summer Undergraduate Research Fellowship (SURF) at NIST - Gaithersburg	Hu, Xiao	National Institute of Standards and Technology	\$ 8,919	\$ -
RUI: Collaborative Research: Understanding the protein-polysaccharide interactions of natural composite materials in one and two dimensions	Hu, Xiao	National Science Foundation	\$ 43,704	\$ 13,568
New Jersey Space Grant Consortium Training Grant - Physics	Magee-Sauer, Karen	Rutgers, The State University of New Jersey (Prime: NASA)	\$ 15,000	\$ -
Johnson Matthey Materials Science Graduate Assistantship	Hettinger, Jeffrey	Johnson Matthey	\$ 33,200	\$ 10,400

Mathematics

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Proposal for Research Collaboration Rowan University - ASRC Federal/Mission Solutions	Tony Breitzman	Mission Solutions Engineering	\$ 155,884	\$ 51,961
Proposal for Research Collaboration Rowan University - ASRC Federal/Mission Solutions	Tony Breitzman	Mission Solutions Engineering	\$ 80,805	\$ 26,935
Proposal for Research Collaboration Rowan University - ASRC Federal/Mission Solutions	Tony Breitzman	Mission Solutions Engineering	\$ 99,906	\$ 33,302

College of Science & Mathematics Awards Continued

Chemistry & Biochemistry

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Acquisition of UHPLC Instrumentation with SFC and Semi-Preparative Capabilities	Grinias, James	Shimadzu	\$ 78,500	\$ -
Synthesis of Pharmaceutical compounds	Jonnalagadda, Subash	Avante Pharmaceuticals	\$ 10,000	\$ 2,000
Indole Alkaloids as Potent Analgesics	Moura-Letts, Gustavo	Syrsa Corporation	\$ 98,400	\$ 22,395
Metallooxaziridines for the Synthesis of Nitrogen-Containing Three-Membered Heterocycles	Moura-Letts, Gustavo	National Science Foundation	\$ 315,000	\$ 105,001
MRI: Acquisition of a 400 MHz Nuclear Magnetic Resonance Spectrometer for the Transformative Advancement of Undergraduate Research	Moura-Letts, Gustavo	National Science Foundation	\$ 299,000	\$ -
Broadening Mechanisms in Size-Based Separations for Polymer Characterization using Superficially Porous Particles	Grinias, James	American Chemical Society-Petroleum Research Fund	\$ 55,000	\$ -
Signaling mechanisms in VIBRIO Cholerae Parallel quorum sensing pathways	Perez, Lark	Tufts University (Prime: National Institutes of Health)	\$ 28,707	\$ 9,569

Computer Science

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Spectral alignment and outlier detection for LC-MS data	Hnatyshin, Vasil	Bristol-Myers Squibb	\$ 40,000	\$ 13,333
Perka First Data Rowan Computer Science Laboratory - Phase 4	Lobo, Andrea	Perka, Inc.	\$ 190,672	\$ 63,557
Immersive Visual Analysis for large scale and multi-dimensional Data	Sun, Bo	Brookhaven National Laboratory	\$ 15,000	\$ 3,560

Psychology

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
NHLBI Research Supplement to Promote Diversity in Health-Related Research for Gabrielle (Abby) Chin	Greeson, Jeffrey	Kent State University (Prime: National Institutes of Health)	\$ 61,995	\$ 15,205
NHLBI Research Supplement to Promote Diversity in Health-Related Research for Gabrielle (Abby) Chin	Greeson, Jeffrey	Kent State University (Prime: National Institutes of Health)	\$ 61,995	\$ 15,205
Mindfulomics: Pioneering the Field of Mindfulness, Stress & Health through the 'Omics' Sciences	Greeson, Jeffrey	The Institute for Integrative Health	\$ 26,003	\$ 2,363

College of Education Proposals (continued)

Center for Access, Success and Equity

Title	Principal Investigator	Sponsor	Requested Amount
The Beginning Teacher Project (Year 3 of 3)	Vernon-Dotson, Lisa	NJ Department of Education	\$ 113,000
Transformative Student Voice: Creating and Sustaining Equitable Educational Spaces.	Zion, Shelley	Spencer Foundation	\$ 49,980
Early Childhood Leadership Fellowship Program	Isik-Ercan, Zeynep	The Nicholson Foundation	\$ 24,962
BTLC Year Three Supplemental Funding (Final Year)	Vernon-Dotson, Lisa	NJ Department of Education	\$ 21,113
Camden Promise Neighborhood	Zion, Shelley	US Department of Education	\$ 137,128
Early Childhood Leadership Institute Partnership on NJ MD Home Visiting Innovation Project	Isik-Ercan, Zeynep	New Jersey Department of Children and Families (NJDCF)	\$ 314,600
Early Childhood Leadership Training for PreK Expansion Program	Isik-Ercan, Zeynep	NJ Department of Education (NJDE)	\$ 77,220
Southern Learning Resource Center at Rowan University	Vernon-Dotson, Lisa	NJ Department of Education (NJDE)	\$ 1,121,928
The Community-Based Teacher Project: Recruiting, Preparing, Supporting, and Credentialing Diverse High Quality Teachers for Advancing STEM Access in High-Needs Communities	Zion, Shelley	Rutgers, The State University of New Jersey	\$ 5,683,235
Critical Civic Inquiry: Student Centered Learning	Zion, Shelley	Jobs for the Future	\$ 399,875

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
Dean's Office	3	\$ 205,000	2	\$ 20,041	\$ 185,000
Biomedical Engineering	18	\$ 5,342,488	7	\$ 255,752	\$ 1,141,518
Chemical Engineering	23	\$11,738,832	5	\$ 691,972	\$ 3,008,273
Civil & Environmental Engineering	31	\$13,056,350	17	\$ 726,287	\$ 2,490,236
Electrical & Computer Engineering	16	\$ 7,001,692	4	\$ 30,753	\$ 164,757
ExEEd	4	\$ 995,764	2	\$ 4,618	\$ 309,062
Mechanical Engineering	7	\$ 1,006,004	4	\$ 11,893	\$ 216,280
Total	102	\$39,346,130	41	\$ 1,741,316	\$ 7,515,126

Awards

Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Design Multifunctional Protein-based Film Materials for Thermal Conductivity Applications	Lowman, Anthony	Sekisui Chemical Co., Ltd.	\$ 150,000	\$ 17,448
AWE and RISE in Engineering	Basantis, Melanie	PSEG Nuclear, LLC	\$ 35,000	\$ 2,593

Biomedical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
REU: Probing mechanotransduction of disturbed flow in brain vasculature	Galie, Peter	National Science Foundation	\$ 298,921	\$ 99,640
Planaria as a high-throughput screening tool for assessing neurodevelopmental toxicity of BPA and BPA substitutes	Staehele, Mary	National Institutes of Health	\$ 216,000	\$ 66,000
Planaria as a high-throughput screening tool for assessing neurodevelopmental toxicity of BPA and BPA substitutes	Staehele, Mary	National Institutes of Health	\$ 178,500	\$ 53,500
REU Site: Biomedical Materials, Devices, Therapeutics, and Emerging Frontiers	Staehele, Mary	National Science Foundation	\$ 361,237	\$ 30,112
Establishing a mechanistic link between cerebral blood flow and the blood-brain barrier	Galie, Peter	American Heart Association	\$ 71,500	\$ 6,500
Post-drawing polymer nanofibers: Applying a fundamental fiber manufacturing process to nanofabrication	Beachley, Vincent	National Institutes of Health	\$ 15,360	\$ -

College of Science & Mathematics Awards & Proposals

College of Science & Mathematics / School of Health Professions					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	-	\$ -	1	\$ -	\$ 60,000
Biological Sciences	4	\$ 1,006,977	2	\$ 20,085	\$ 332,149
Molecular & Cell Biosciences	8	\$ 1,192,831	2	\$ -	\$ 70,000
Chemistry & Biochemistry	21	\$ 3,667,839	7	\$ 138,965	\$ 884,607
Computer Science	10	\$ 3,169,853	3	\$ 80,450	\$ 245,672
Mathematics	8	\$ 1,173,366	3	\$ 112,198	\$ 336,595
Nursing	2	\$ 234,947	-	\$ -	\$ -
Physics & Astronomy	10	\$ 982,603	8	\$ 33,616	\$ 269,768
Psychology	16	\$ 1,621,869	3	\$ 32,773	\$ 149,993
Health and Exercise Science	10	\$ 199,848	-	\$ -	\$ -
Total	89	\$13,281,669	29	\$ 418,087	\$ 2,348,784

Awards

Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
New Jersey Space Grant Consortium Training Grant - CSM	Magee-Sauer, Karen	Rutgers, The State University of New Jersey (Prime: NASA)	\$ 60,000	\$ -

Biological Sciences

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Bridges to Baccalaureate: Cumberland County College Bridge to Rowan	Krufka, Alison	National Institutes of Health	\$ 292,266	\$ 6,791
Preclinical analysis of MAD28 in inflammatory breast cancer	Alpaugh, Mary	University of California - San Diego (Prime: California Breast Cancer Research Program)	\$ 39,883	\$ 13,294

Molecular & Cellular Biosciences

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Development of small inhibitors of herpes simplex virus infection.	Claude Krummenacher	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Optimization and characterization of a novel matrix for delivery of small molecule, carbohydrate, and protein-based therapeutics.	Nathaniel Nucci	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -

College of Performing Arts Awards & Proposals

College of Performing Arts					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	2	\$ 44,915	1	\$ -	\$ 15,000
Music	1	\$ 37,518	1	\$ 1,852	\$ 25,000
Total	3	\$ 82,433	2	\$ 1,852	\$ 40,000

Awards

Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Christiane Matallo Residency and Performance - House of Murals	Sanders, Gloria	NJ State Council on the Arts	\$ 15,000	\$ -

Music

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Les Paul Foundation Grant for Rowan Music Industry Summer Camp	Gendreau, Mathieu	Les Paul Foundation	\$ 25,000	\$ 1,852

Proposals

Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Movement: A Celebration of Women in Choreography	Sanders, Gloria	NJ State Council on the Arts (NJSCA)	\$ 41,690
Mid Atlantic Touring Grant, The Crossing	Stewart, Melanie	Mid Atlantic Arts Foundation	\$ 3,225

Music

Title	Principal Investigator	Sponsor	Requested Amount
Les Paul Foundation Grant for Rowan Music Industry Summer Camp	Gendreau, Mathieu	Les Paul Foundation	\$ 37,518

Engineering / SJTP Awards (continued)

Chemical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Synthesis and Characterization of Bio-based Resins for the Development of Sustainable Polymers and Composites for DoD applications	Stanzione, Joseph	Department of Army	\$ 1,949,887	\$ 454,989
Engineered Materials and Materials Design of Engineered Materials (EMMDEM) - Tactical Shelters, NU Year 2	Stanzione, Joseph	Northeastern University (Prime: US Department of Defense)	\$ 186,000	\$ 36,301
High-Performance Polymers from Bio-based Feedstocks	Stanzione, Joseph	Drexel University (Prime: US Department of Defense)	\$ 475,662	\$ 78,075
CAREER: Nanostructured Particle Stabilized Bicontinuous Emulsions: Structure-Formation Principles, Structure Function Relationships and Biphasic Transport Processes	Martin Haase	National Science Foundation	\$ 393,924	\$ 121,674
Cardolite Corporation Fee-for-Service Account	Stanzione, Joseph	Cardolite Corporation	\$ 2,800	\$ 933

Civil & Environmental Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
NJDOT Bridge Resource Program	Cleary, Douglas	Rutgers, The State University of New Jersey (Prime: NJ Dept. of Transportation)	\$ 45,000	\$ 4,000
NJDMAVA Energy Audit Center	Everett, Jess	NJ Dept. of Military and Veteran Affairs	\$ 54,525	\$ 16,156
NJARNG/Rowan University Energy/Building Information Model (BIM) Intern Program	Everett, Jess	NJ Dept. of Military and Veteran Affairs	\$ 295,859	\$ 98,620
Facility Maintenance Internship Project	Everett, Jess	NJ Dept. of Military and Veteran Affairs	\$ 204,952	\$ 55,294
Development of Innovative Materials and Methods to Solve DoD Horizontal Infrastructure challenges in Cold Regions	Mehta, Yusuf	US Department of Defense	\$ 1,260,000	\$ 372,134
Integration of SHRP2 in Civil Engineering Curriculum	Mehta, Yusuf	US Department of Transportation	\$ 12,498	\$ 1,136
Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training	Nazari, Rouzbeh	U.S. Dept. of Agriculture	\$ 170,000	\$ 56,667
Performance of DTIs with and without Bolt Face Washers	Riddell, William	Turnasure LLC	\$ 4,864	\$ 1,621
Evaluation of Quality of Road for Sussex County	Mehta, Yusuf	Advanced Infrastructure Design	\$ 3,000	\$ 1,000

Engineering / SJTP Awards (continued)

Civil & Environmental Engineering cont.

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Evaluation of Precast Pavement Systems and Cast In-Place	Mehta, Yusuf	NJ Department of Transportation	\$ 54,896	\$ 10,579
Aerial Photography for Seawall Repair and Construction Project	Nazari, Rouzbeh	NJ Department of Environmental Protection	\$ 72,575	\$ 24,192
Evaluation of absorption of COVANTA aggregates	Mehta, Yusuf	COVANTA	\$ 60,000	\$ 20,000
Evaluation of Flow and Stability of Pellet Patch	Mehta, Yusuf	Energy Creates Energy	\$ 10,000	\$ 3,333
Traffic Impact Study	Mehta, Yusuf	NJ Department of Environmental Protection (NJDEP)	\$ 30,000	\$ 10,000
2018 National Summer Transportation Institute (NSTI) Youth Program Statement of Work Announcement	Mehta, Yusuf	NJ Department of Transportation (NJDOT)	\$ 55,720	\$ -
Intelligent Transportation Systems Resource Center (ITSRC)	Bhavsar, Parth	New Jersey Institute of Technology	\$ 124,998	\$ 41,666
Solar Hot Water Opportunities for NJDMAVA	Riddell, William	NJ Dept. of Military and Veteran Affairs	\$ 28,569	\$ 8,963
Evaluation of Impact of Rejuvenator on RAP Performance	Mehta, Yusuf	Cargill, Inc.	\$ 2,780	\$ 926

Electrical & Computer Engineering

Title	Principle Investigator	Sponsor	Awarded Amount	Indirect Awarded
MRIMATH: Coordinates and volumetrics for brain tumors	Bouaynaya, Nidhal	National Science Foundation	\$ 50,000	\$ 5,000
Noninvasive 3 Dimensional Fluorescence Microscopy for Skin Disease Detection	Ben Wu	New Jersey Health Foundation, Inc.	\$ 35,000	\$ -
Visualization of unmanned aircraft systems (UAS) within a CAVE Virtual Reality Environment : A Feasibility Project	Bouaynaya, Nidhal	Federal Aviation Administration	\$ 34,757	\$ 11,586
Augmented Reality Use Case Investigation	Mandayam, Shreekanth	Naval Sea Systems Command (NAVSEA)	\$ 45,000	\$ 14,167

College of Humanities & Social Sciences Proposals

Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Time is money: Assessing hospital cost, physicians' time, and patient satisfaction in the use of medical interpreters	Poteau, Christine	National Endowment for the Humanities	\$ 182,349
Protecting Immigrant Women and their Children from Violence and Family Separation	Ammar, Nawal	American University	\$ 78,720
A Multi-sector Partnership to Investigate and Develop Policy and Practice Models to dismantle "Rape culture" in Universities	Ammar, Nawal	McGill University	\$ 24,341
Rowan FLAS Program	Blake, Corinne	US Department of Education	\$ 922,500
A Multi-sector Partnership to Investigate and Develop Policy and Practice Models to dismantle "Rape culture" in Universities.	Ammar, Nawal	McGill University	\$ 24,341

History

Title	Principal Investigator	Sponsor	Requested Amount
The Megan Giordano Fellow in Public History	Carrigan, Bill	Gloucester County Parks Recreation	\$ 61,602
Mapping the Cold War at RCA, South Jersey	Aksel, Keith	National Endowment for the Humanities (NEH)	\$ 24,848
Foreign-Born Victims of Mob Violence and the Decline of Lynching in the United States	Carrigan, William	National Science Foundation (NSF)	\$ 128,622

Political Science & Economics

Title	Principal Investigator	Sponsor	Requested Amount
Pluta Course Hero Fellowship	Pluta, Anne	Woodrow Wilson National Fellowship Foundation	\$ 40,000

Law and Justice

Title	Principal Investigator	Sponsor	Requested Amount
Understanding the Needs and Experiences of Families and Friends of Homicide Victims	Mastrocinque, Jeanna	Justice Research and Statistic Association	\$ 14,653
Does the Detention and Deportation of Illegal Immigrants Reduce Crime? A Nationwide Examination of the Impact of 287(g) agreements on Violent and Property Crime	Capellan, Joel	National Institute of Justice (NIJ)	\$ 248,079

Hollybush Institute

Title	Principal Investigator	Sponsor	Requested Amount
The Hollybush Institute Expansion Initiative	Hague, Stephen	National Endowment for the Humanities (NEH)	\$ 500,000

College of Humanities & Social Sciences Awards & Proposals

College of Humanities and Social Sciences					
	PROPOSALS		AWARDS		
	#	Amount	#	Indirects	Total Amount
Dean's Office	5	\$ 1,232,251	2	\$ 10,267	\$ 103,385
Political Sciences & Economics	1	\$ 40,000	2	\$ 20,895	\$ 67,330
Sociology & Anthropology	-	\$ -	-	\$ 4,643	\$ -
Law and Justice	2	\$ 262,732	1	\$ -	\$ 14,953
Hollybush Institute	1	\$ 500,000	-	\$ -	\$ -
History	3	\$ 215,072	1	\$ -	\$ 59,208
Total	12	\$ 2,250,055	6	\$ 35,805	\$ 244,876

Awards

Dean's Office

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Protecting Immigrant Women and their Children from Violence and Family Separation	Ammar, Nawal	American University (Prime: W. K. Kellogg Foundation)	\$ 78,717	\$ 10,267
A Multi-sector Partnership to Investigate and Develop Policy and Practice Models to dismantle Rape culture in Universities	Ammar, Nawal	McGill University	\$ 24,668	\$ -

Political Sciences & Economics

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Geospatial Factors and the trafficking/Terrorism Nexus in Eurasia	Markowitz, Lawrence	The University of Kansas (Prime: Dept. of Defense)	\$ 37,330	\$ 11,585
Geospatial Factors and the trafficking/Terrorism Nexus in Eurasia	Markowitz, Lawrence	The University of Kansas (Prime: Dept. of Defense)	\$ 30,000	\$ 9,310

Law and Justice

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Understanding the Needs and Experiences of Families and Friends of Homicide Victims	Mastrocinque, Jenna	Justice Research and Statistic Association	\$ 14,953	\$ 4,643

History

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Megan M. Giordano Fellowship	Carrigan, Bill	Gloucester County Parks & Recreation	\$ 59,208	\$ -

Engineering / SJTP Awards & Proposals

ExEEd

Title	Principle Investigator	Sponsor	Awarded Amount	Indirect Awarded
EAGER: Developing a Consortium Model for the Successful Implementation of the Rising Engineering Education Faculty Experience (REEFE)	Hixson, Cory	National Science Foundation	\$ 13,853	\$ 4,618
Utilizing the 3Cs to Reimagine Engineering Education at Rowan University	Cheryl Bodnar	KERN Family Foundation	\$ 295,209	\$ -

Mechanical Engineering

Title	Principal Investigator	Sponsor	Awarded Amount	Indirect Awarded
Team-Based Projects to Improve Student Design Experience	Kadlowec, Jennifer	National Institutes of Health	\$ 43,200	\$ 3,200
Polymer Nanocomposites with Enhanced Dielectric Strength and Reduced Thermal Contraction for Superconductor Cables	Xue, Wei	US Department of Defense	\$ 150,000	\$ 4,333
Improving the Engineering Clinic Curriculum to include Innovation and Entrepreneurship components	Osta, Anu	Procter Gamble	\$ 10,000	\$ -
To design the next generation of Seal Force Tester for Genesis Packaging Tech.	Anu Osta	Genesis Packaging Technologies	\$ 13,080	\$ 4,360

Proposals

Dean's Office

Title	Principal Investigator	Sponsor	Requested Amount
Attracting Women to Engineering	Basantis, Melanie	Atlantic City Electric	\$ 5,000
2017-2018 PSEG Proposal for AWE & RISE	Basantis, Melanie	PSEG Nuclear, LLC	\$ 50,000
Development of electrochemical cell	Lowman, Anthony	Sekisui Chemical Co., Ltd.	\$ 150,000

Biomedical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: The effect of aging on waste clearance in the brain	Galie, Peter	National Science Foundation	\$ 500,396
Transplantation of pre-vascularized scaffold for spinal cord injury repair	Galie, Peter	Craig H. Neilsen Foundation	\$ 298,278
Multiscale simulation of graphene coated transition metal oxide with atomic defects for high rate application in Li-ion battery	Seyyedhosseinzadeh, Hamed	National Science Foundation	\$ 454,178
REU Site: Biomedical Materials, Devices, Therapeutics, and Emerging Frontiers	Staehele, Mary	National Science Foundation	\$ 437,517
Robossis: Orthopedic Surgical Robot	Abedin Nasab, Mohammad	New Jersey Health Foundation, Inc.	\$ 35,000
A novel surgical robot for spinal interventions	Abedin Nasab, Mohammad	NJ Commission on Spinal Cord Research	\$ 200,000
Mechanically Robust Nanofiber Grafts for Ligament Repair	Beachley, Vincent	New Jersey Health Foundation, Inc.	\$ 35,000
Transplantation of pre-vascularized scaffold for spinal cord injury repair	Galie, Peter	Craig H. Neilsen Foundation	\$ 298,278
Transplantation of pre-vascularized scaffold for spinal cord injury repair	Galie, Peter	National Institutes of Health	\$ 432,953

Engineering / SJTP Proposals

Biomedical Engineering cont.

Title	Principal Investigator	Sponsor	Requested Amount
Transplantation of pre-vascularized scaffold for spinal cord injury repair	Galie, Peter	National Institutes of Health	\$ 432,953
Transplantation of pre-vascularized scaffold for spinal cord injury repair	Galie, Peter	NJ Commission on Spinal Cord Research	\$ 197,498
Measurement of BPDE DNA adducts by using nanopores	Shim, Jiwook	National Institutes of Health	\$ 447,146
Cancer Detection at molecular level using nanopore	Shim, Jiwook	New Jersey Health Foundation, Inc.	\$ 35,000
REU Supplement for Summer Undergraduate Researchers	Beachley, Vincent	National Science Foundation	\$ 15,932
Acquisition of a super-resolution microscope for research and training	Galie, Peter	National Science Foundation (NSF)	\$ 1,046,952
Supplement to NSF1728239 CMMI	Galie, Peter	National Science Foundation (NSF)	\$ 8,360
Detection of DNA Methylation with Nanopores in Atomically Thin 2D Materials	Shim, Jiwook	National Institutes of Health (NIH)	\$ 300,000
Solid-State Nanopore for Analyzing the Binding Status of Poly(C)-Binding Protein 4 in Cisplatin Resistant Cells	Shim, Jiwook	National Institutes of Health (NIH)	\$ 300,000
Nanopore-based selective detection of DNA methylation on promoter region	Shim, Jiwook	National Institutes of Health (NIH)	\$ 300,000

Chemical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: Nanostructured Particle Stabilized Bicontinuous Emulsions: Structure-Formation Principles, Structure Function Relationships and Biphasic Transport Processes	Haase, Martin	National Science Foundation	\$ 500,000
Liquid microfibers for continuously operated liquid-liquid extraction	Haase, Martin	National Science Foundation	\$ 286,602
Indo-US Joint Center for Enzymatic Hydrolysis and Chemical Catalysis of Wasted Biomass for Biochemicals Production	Montalbo-Lomboy, Melissa	Indo-U.S. Science and Technology Forum	\$ 75,119
CAREER: SusChEM: Sustainable Molecular Design and Fundamental Property Understanding of Polyesters Derived from Xylochemicals and Associated Educational Activities	Stanzione, Joseph	National Science Foundation	\$ 311,488
New 3D Printed Gradient Scaffold Platforms for Repair of the Annulus Fibrosus of the Intervertebral Disc	Vernengo, Andrea	National Institutes of Health	\$ 24,735
Liquid microfibers for continuously operated liquid-liquid extraction	Haase, Martin	National Science Foundation	\$ 286,602
Design and Fabrication of Flexible, Biodegradable and Implantable Bio-Battery	Noshadi, Iman	National Institutes of Health	\$ 292,000
Solvent-Free and Template-Free Synthesis of Nitrogen-Doped Mesoporous Polymer (NMP) and Metal Oxide/NMP nanocomposite for CO2 Capture and Conversion	Noshadi, Iman	National Science Foundation	\$ 230,406
Highly Elastic and Flexible Supercapacitance for the Implantable Medical Devices	Noshadi, Iman	New Jersey Health Foundation, Inc.	\$ 35,000

Engineering / SJTP Proposals Continued

ExEEd

Title	Principal Investigator	Sponsor	Requested Amount
Utilizing the 3Cs to Reimagine Engineering Education at Rowan University	Bodnar, Cheryl	KERN Family Foundation	\$ 295,000
Ideas at Play: Instilling an Entrepreneurial Mindset through Experiential Activities	Bodnar, Cheryl	National Science Foundation	\$ 599,905
Training Faculty to Incorporate Principles of Universal Design into a Freshman Engineering Course	Mallouk, Kaitlin	University of Washington	\$ 2,100
Collaborative Research: Exploring how students negotiate ambiguity and stakeholder input in community based design problems	Bodnar, Cheryl	National Science Foundation	\$ 98,759

Mechanical Engineering

Title	Principal Investigator	Sponsor	Requested Amount
Preparing Women for a career in Entrepreneurship	Osta, Anu	Mazda Foundation	\$ 20,000
Improving the Engineering Clinic Curriculum to include Innovation and Entrepreneurship components	Osta, Anu	Procter Gamble	\$ 10,000
Integrating Computer Science into Physical Science Classrooms with Arduino	Mallouk, Kaitlin	National Science Foundation	\$ 436,488
Elevated Temperature Effects on the Self-Ignition and Deflagration Potential of Pressurized Fuel and Process Gas Releases	Haas, Francis	American Chemical Society-Petroleum Research Fund (ACS PRF)	\$ 110,000
Engineering Functional Polymer Foams	Xue, Wei	National Science Foundation (NSF)	\$ 300,000
Incorporating Collegiate Entrepreneurship into Engineering Clinic Curriculum at Rowan University	Osta, Anu	Burton D. Morgan Foundation	\$ 18,000
Fast-curing surgical adhesives for vocal fold wound closure	Miri Ramsheh, Amir	McGill University	\$ 111,516

Engineering / SJTP Proposals Continued

Electrical & Computer Engineering

Title	Principal Investigator	Sponsor	Requested Amount
Big Data and Artificial Intelligence for Everyone: A University-Industry Endeavor to Prepare the Next Generation of Teachers	Bouaynaya, Nidhal	National Science Foundation	\$ 599,468
Collaborative Research: ABI Innovation: Keeping up with the genomes: a framework to continually learn metagenomic data	Polikar, Robi	National Science Foundation	\$ 242,976
CAREER: Memristors-Based Storage and Computing for Sustainable Space Applications	Shin, Sangho	National Science Foundation	\$ 512,465
CRII: SaTC: Algorithms and System Control for Wideband Jamming Cancellation in Hybrid Radio Frequency and Free Space Optical Communication Networks	Wu, Ben	National Science Foundation	\$ 172,680
Big Data and Artificial Intelligence for Everyone: A University-Industry Endeavor to Prepare the Next Generation of Teachers	Bouaynaya, Nidhal	National Science Foundation	\$ 599,468
MRIMATH: COORDINATES AND VOLUMETRICS FOR BRAIN TUMORS	Bouaynaya, Nidhal	National Science Foundation	\$ 50,000
Enabling Continual Learning and Curation of Microbiome Data	Polikar, Robi	Cornell University	\$ 326,339
Highly-Sensitive Memristive Instrumentation for High-Speed Nanopore Sequencing	Shin, Sangho	National Science Foundation	\$ 358,130
Memristors-Embedded CMOS (MEC) Technology	Shin, Sangho	National Science Foundation	\$ 348,699
Exploratory Study:SPARC Systematic Problem-Solving & Algorithmic Reasoning (for Children)	Tang, Ying	New Jersey Health Foundation, Inc.	\$ 449,996
Noninvasive 3 Dimensional Fluorescence Microscopy for Skin Disease Detection	Wu, Ben	National Science Foundation	\$ 35,000
NRT-HDR: Rowan's Graduate Research Traineeship is Whole-Occupation Nurturing for the Data Revolution (Rowan's GReTr WONDR)	Bouaynaya, Nidhal	National Science Foundation	\$ 2,999,885
Visualization and Analysis of Rotorcraft Safety within a CAVE Virtual Reality Environment	Lecakes, George	Federal Aviation Administration	\$ 65,668
Development of a Tracheal Sound Sensor for early Detection of Hypoventilation due to Opioid Overdose	Polikar, Robi	RTM Vital Signs, LLC	\$ 45,463
Collaborative Research: Enhancing STEM Education with Machine Learning and Artificial Intelligence Applications: A University-Industry Cooperative Strategy	Ramachandran, Ravi	National Science Foundation (NSF)	\$ 149,992
Development of a Tracheal Sound Sensor for early Detection of Hypoventilation due to Opioid Overdose	Polikar, Robi	RTM Vital Signs, LLC	\$ 45,463

Engineering / SJTP Proposals Continued

Chemical Engineering (continued)

Title	Principal Investigator	Sponsor	Requested Amount
RUI: Collaborative Research: Greener Processes for the Sustainable Production of Bio-Based Photocurable Polymers	Stanzione, Joseph	National Science Foundation	\$ 104,667
Engineered Materials and Materials Design of Engineered Materials (EMMDEM) - Tactical Shelters, NU Year 2	Stanzione, Joseph	Northeastern University	\$ 186,000
Responses of Dorsal Root Ganglion Neurons to Pulsed Electric Field Exposures	Thompson, Gary	NJ Commission on Spinal Cord Research	\$ 200,000
Composite Injectable Hydrogels with Adhesive Properties for Nucleus Pulposus Tissue Engineering	Vernengo, Andrea	U.S. Department of Defense	\$ 1,357,764
Understanding organizing principles and separation mechanisms of multifunctional nanocomposite membranes.	Haase, Martin	National Science Foundation (NSF)	\$ 303,125
Liquid fibers for continuously operated liquid-liquid extraction	Haase, Martin	American Chemical Society-Petroleum Research Fund (ACS PRF)	\$ 109,980
Bio-Ionic Liquid Conjugated Hydrogels as Highly Adhesive, Antimicrobial and Hemostatic Surgical Sealant for Traumatic Injury	Noshadi, Iman	National Institutes of Health (NIH)	\$ 1,538,867
Bioprinting 3D hybrid heart patches with bioelectronics for cardiac tissue regeneration	Noshadi, Iman	National Institutes of Health (NIH)	\$ 407,994
New 3D Printed Gradient Scaffolds for Repair of the Annulus Fibrosus of the Intervertebral Disc	Vernengo, Andrea	National Institutes of Health (NIH)	\$ 331,705
Enhancing the Undergraduate Chemical Engineering Curriculum Using Dynamic Simulation	Dahm, Kevin	National Science Foundation (NSF)	\$ 296,930
Roadmap for Solvent Recovery in Industrial Manufacturing: Enhancing Process Efficiency through Resource Minimization	Yenkie, Kirti	US Department of Environmental Protection Agency (USEPA)	\$ 264,361
Natick Expeditionary Manuever - Cold Spray Additive Manufacturing of Polymers and Polymer Composites	Stanzione, Joseph	US Department of Defense	\$ 1,900,000
Engineering 3D printed bioelectronics as smart self-oxygen generating tissue scaffold	Noshadi, Iman	National Institutes of Health (NIH)	\$ 2,380,608
A Computational tool to predict chemotherapeutic doses for treatment of ALL (acute lymphoblastic leukemia): Balancing treatment efficacy and toxicity	Yenkie, Kirti	United States-India Science and Technology Endowment Fund	\$ 314,879

Engineering / SJTP Proposals Continued

Civil and Environmental Engineering

Title	Principal Investigator	Sponsor	Requested Amount
CAREER: User-Centered Modeling and Data Analytics Framework for Transportation Networks	Bhavsar, Parth	National Science Foundation	\$ 654,427
Pothole Detection Module Development	Bhavsar, Parth	United States-India Science and Technology Endowment Fund	\$ 210,578
Traffic Count Sensor Development	Bhavsar, Parth	United States-India Science and Technology Endowment Fund	\$ 180,420
Biological Impacts on Lead Dissolution/Leaching	Jahan, Kauser	Stevens Institute of Technology	\$ 367,999
Quantifying the Effect of Pressure on Inter-Particle Forces in Slurry Flow	Lomboy, Gilson	National Science Foundation	\$ 253,427
Evaluation of Reclaimed Asphalt Pavement	Mehta, Yusuf	AE Stone	\$ 2,195
Ruggedness and Interlaboratory Studies for Asphalt Mixture Performance Tester (AMPT) Cyclic Fatigue Test	Mehta, Yusuf	US Department of Transportation	\$ 699,999
An Innovative Decision Support Framework for Multi-Hazard Resilience Assessment of Vulnerable Structures	Nazari, Rouzbeh	National Science Foundation	\$ 379,368
Performance of DTIs with and without Bolt Face Washers	Riddell, William	Turnasure LLC	\$ 4,865
Determining Long-Term Field Performance of Concrete Pavements with Recycled Concrete Aggregates through Accelerated Pavement Testing	Lomboy, Gilson	American Concrete Institute	\$ 57,468
LTPP Data Analysis: Significance of As-Constructed Asphalt Pavement Air Voids to Pavement Performance	Mehta, Yusuf	US Department of Transportation	\$ 424,859
Regional UTC Program	Nazari, Rouzbeh	Rutgers, The State University of New Jersey	\$ 200,000
Aerial Photography for Seawall Repair and Construction Project	Nazari, Rouzbeh	NJ Department of Environmental Protection	\$ 60,479
Application of Historical Climate and Flood Data to Advance the Understanding of Environmental Shifts and Their Potential Impact on DoD Infrastructural Planning	Nazari, Rouzbeh	US Department of Defense	\$ 195,017
Collaborative Research: Time-dependent Performance of Bio-cemented Sand under Long-term Creep Loadings	Zhu, Cheng	National Science Foundation	\$ 121,039
Algae Based Curriculum for Promoting Careers in Science and Engineering	Jahan, Kauser	Braitmayer Foundation	\$ 35,000

Engineering / SJTP Proposals Continued

Civil and Environmental Engineering cont.

Title	Principal Investigator	Sponsor	Requested Amount
MRI: Acquisition of a Nanoindenter for Research, Teaching, and Training	Lomboy, Gilson	National Science Foundation (NSF)	\$ 449,025
Bridging of Information, Uncertainty, and Decision-Making in Extreme Storm Events with an Interdisciplinary Perspective on Climate, Community and the Built Environment	Nazari, Rouzbeh	National Science Foundation (NSF)	\$ 416,802
Data Driven Multi-Hazard Reliability and Resilience Assessment of Vulnerable Coastal Communities	Nazari, Rouzbeh	National Science Foundation (NSF)	\$ 383,591
Creation of a library of novel examples for an enriching geotechnical engineering learning experience	Zhu, Cheng	US Universities Council on Geotechnical Education and Research	\$ 5,000
LTPP Data Analysis: Feasibility of Using LTPP Data to Develop Relationships Between Laboratory- and Field-Derived Properties of Unbound Materials	Mehta, Yusuf	US Department of Transportation	\$ 69,968
Consultant's services to evaluate materials and performance of pavement layers using heavy traffic loads simulation device	Mehta, Yusuf	Ministry of Transportation, Saudi Arabia	\$ 3,273,642
Measuring the Characteristics of Pavement Surface Images and Developing Standard Practices for Calibration, Certification, and Verification of Imaging Systems	Zhu, Cheng	TRB (Transportation Research Board of The National Academies)	\$ 599,940
Creation of a library of novel examples for an enriching geotechnical engineering learning experience	Zhu, Cheng	US Universities Council on Geotechnical Education and Research	\$ 5,000
Practical Study of Local and Regional Resilience Planning for Critical Infrastructure Systems and Communities in Coastal Zones	Nazari, Rouzbeh	Armand Corporation	\$ 152,020
Traffic Impact Study	Mehta, Yusuf	NJ Department of Environmental Protection (NJDEP)	\$ 30,000
2018 National Summer Transportation Institute (NSTI) Youth Program Statement of Work Announcement	Mehta, Yusuf	NJ Department of Transportation (NJDOT)	\$ 114,222
Innovative Construction Materials to Protect National Security Interests in the Arctic Region	Mehta, Yusuf	US Department of Defense	\$ 3,700,000
FFS: Evaluation of laboratory performance of binder and Hot mix Asphalt	Mehta, Yusuf	American Asphalt Company	\$ -
FFS: Evaluation of binder and mixes	Mehta, Yusuf	South State Inc.	\$ -
Evaluation of Flow and Stability of Pellet Patch	Mehta, Yusuf	Energy Creates Energy	\$ 10,000