

Sponsored Programs Expenditure Report

For the period July 1, 2017 to June 30, 2018



<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
020 Acad Affairs Prov VP						
Imbruce, Ms. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$1,103	\$0	\$1,103
Imbruce, Ms. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,856	\$4,399	\$13,255
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,856	\$4,399	\$13,255
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$1,103	\$0	\$1,103
Ragin, Dr. Melanie J.	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2017-2022	100	\$23,262	\$0	\$23,262
Ragin, Dr. Melanie J.	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement Program 2015-2016	100	\$73,308	\$5,865	\$79,172
Ragin, Dr. Melanie J.	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement Program 2015-2016	100	\$32,495	\$0	\$32,495
Ragin, Dr. Melanie J.	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2017-2022	100	\$132,896	\$10,632	\$143,528
Stamp, Dr. Nancy E	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$14,414	\$7,207	\$21,621
Department Total:				\$328,794		

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
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020 Anthropology

de Smet, Mr. Timothy	Mississippi State University	Archaeological Testing and Reporting on the Nantahala National Forest	100	\$3,077	\$800	\$3,878
Digangi, Dr. Elizabeth Ann	US Department of Justice	Microbial Community Succession in Human and Pig Decomposition	100	\$44,341	\$0	\$44,341
Digangi, Dr. Elizabeth Ann	US Department of Justice	Initiation of a Gunshot Wound Trauma Atlas from Cranial Bone	100	\$124,472	\$64,722	\$189,194
Garruto, Dr. Ralph	Foundation of SUNY at Binghamton	Eckler Faculty Grant Funds	100	\$244	\$0	\$244
Garruto, Dr. Ralph	Academy of Nutrition and Dietetics	Association Between Single Nucleotide Polymorphisms in the One Carbon Metabolism and ALS	50	\$1,528	\$0	\$1,528
Isbell, Dr. William H	National Science Foundation	Investigation into the Functioning of Early Cities	100	\$5,999	\$0	\$5,999
Isbell, Dr. William H	National Science Foundation	Investigation into the Functioning of Early Cities	100	\$6,000	\$0	\$6,000
Isbell, Dr. William H	National Science Foundation	Investigation into the Functioning of Early Cities	100	\$72,987	\$18,977	\$91,963
Lipo, Dr. Carl	University of Louisiana at Monroe	Poverty Point Compatible Use Zone: Geophysical Research Sub-Award	50	\$8,903	\$0	\$8,903
McGuire, Dr. Randy	National Science Foundation	Conceptualizing Cultural Contact And Transmission Across International Boundaries	100	\$77,215	\$19,840	\$97,055
McGuire, Dr. Randy	National Science Foundation	Conceptualizing Cultural Contact And Transmission Across International Boundaries	100	\$6,671	\$0	\$6,671

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
McGuire, Dr. Randy	National Geographic Society	The Origins of the Trincheras Tradition, Northern Sonora, Mexico	100	\$10,567	\$0	\$10,567
Merriwether, Dr. David A	Foundation of SUNY at Binghamton	Eckler Faculty Grant Funds	100	\$755	\$0	\$755
Merriwether, Dr. David A	Multiple Sponsors	Income Account for Unrestricted Support for A. Merriwether	100	\$3,337	\$501	\$3,837
Sanger, Dr. Matthew	University of Louisiana at Monroe	Poverty Point Compatible Use Zone: Geophysical Research Sub-Award	50	\$8,903	\$0	\$8,903
Smart, Dr. Pamela	Wenner Gren Foundation for Anthropological Res	Dissertation Research Support: Amy Robbins: Making in the World of Glass Craft	100	\$732	\$0	\$732
Van Dyke, Dr. Ruth	National Science Foundation	Doctoral Dissertation Improvement Award: Alternate Models of Community Formation	100	\$17,630	\$4,584	\$22,214
Van Dyke, Dr. Ruth	Western National Parks Association	Archaeological Testing and Interpretation of the Aztec North Great Home	100	\$661	\$0	\$661
Wander, Dr. Katherine	Wenner Gren Foundation for Anthropological Res	The Immune System of Milk: In Vitro Immune Response in Whole Milk	100	\$20,000	\$0	\$20,000
Wander, Dr. Katherine	Multiple Sponsors	Kathryn M Olszowy- Sex Differences in Obesity Risk	100	\$4,522	\$678	\$5,200
Department Total:				\$528,646		

020 Art History

Barzman, Dr. Karen-edis	Harvard University	Conference: The Role of Cartography in Negotiating Borders - A Case Study: Mapping the Limits between Venetian Dalmatia and Ottoman Bosnia	100	\$2,552	\$0	\$2,552
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Department Total: \$2,552

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
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020 Arts and Sciences Dean

Massey, Dr. Sean	NYS Department of Health	Lesbian and Gay Family Building Project	50	\$36,283	\$7,257	\$43,539
Massey, Dr. Sean	NYS Department of Health	NYSDOH C028621: COLA 2017-2018	50	\$4,034	\$807	\$4,841
Massey, Dr. Sean	NYS Department of Health	Lesbian and Gay Family Building Project	50	\$14,864	\$2,973	\$17,837
Plassmann, Dr. Florenz	National Endowment for the Humanities	Transforming Scholarly Preparation in the Humanities at the Doctoral Level	100	\$0	(\$7,019)	(\$7,019)
Silberstein, Ms. Dara	NYS Department of Health	Lesbian and Gay Family Building Project	50	\$14,864	\$2,973	\$17,837
Silberstein, Ms. Dara	NYS Department of Health	Lesbian and Gay Family Building Project	50	\$36,283	\$7,257	\$43,539
Silberstein, Ms. Dara	NYS Department of Health	NYSDOH C028621: COLA 2017-2018	50	\$4,034	\$807	\$4,841

Department Total: \$125,414

020 Asian Asian-American Studies

Chaffee, Dr. John W	Multiple Sponsors	AAAS Activities-	100	\$1,154	\$115	\$1,269
Chen, Dr. Zu-yan	National Security Agency	STARTALK Learn Chinese Through Beijing Opera	100	\$39,127	\$21,911	\$61,039
Chen, Dr. Zu-yan	Confucius Institute of China	2017 Confucius Institute of Chinese Opera	100	\$89,990	\$0	\$89,990

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Chen, Dr. Zu-yan	Confucius Institute of China	2016 Confucius Institute of Chinese Opera	100	\$32,965	\$0	\$32,965
Chen, Dr. Zu-yan	Confucius Institute of China	2018 Confucius Institute of Chinese Opera	100	\$11,410	\$0	\$11,410
Cho, Dr. Sungdai	Cornell University	Korean at the Nexus of the Northeast Asia Linguistic Area	100	\$91,958	\$9,196	\$101,154
Department Total:				\$297,826		

020 Biological Sciences

Clark, Dr. Anne B.	National Science Foundation	EAGER: Linking Crow Roosting Behavior with Nitrogen Biogeochemistry in Urban Ecosystems	50	\$2,275	\$1,251	\$3,526
Davies, Dr. David	ICL Innovation Limited	The influence of the biofilm dispersion inducer cis-2-decenoic acid as an adjunctive to treatment with antimicrobial bromine biocides	100	\$9,659	\$5,409	\$15,069
Davies, Dr. David	Mondelez Global LLC	The Influence of the biofilm dispersion inducer cis 2 decenoic acid as an adjunctive to sugar free gum in the treatment of dental plaque forming bacteria	100	\$12,038	\$6,741	\$18,780
Fiumera, Dr. Anthony	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	15	\$6,788	\$2,411	\$9,199
Fiumera, Dr. Anthony	National Institute of General Medical Sciences	Using Natural Variation to Map Mitochondrial-Nuclear Interactions in Yeast	25	\$25,957	\$13,640	\$39,597
Fiumera, Dr. Heather	National Science Foundation	Dissertation Research: Mitochondrial Epistasis in Yeast	100	\$10,089	\$5,549	\$15,638
Fiumera, Dr. Heather	National Institute of General Medical Sciences	Using Natural Variation to Map Mitochondrial-Nuclear Interactions in Yeast	50	\$51,914	\$27,281	\$79,195

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Masek, Dr. Pavel	Florida Atlantic University	Localization of Dopamine Function in Aversive Taste Memory AWD000826 TAG003749	100	\$56,610	\$31,135	\$87,745
Meindl, Dr. Jessica Hua	National Science Foundation	Collaborative Research: Disease ecology in the midst of anthropogenic stressors: Exploring the influence of pesticides on host-parasite interactions	100	\$22,857	\$7,172	\$30,029
Musselman, Dr. Laura	American Heart Association Western State Affiliate	Identification of Lipotoxins Affecting Cardiac Physiology in the Face of Caloric Overload	100	\$28,522	\$2,692	\$31,214
Musselman, Dr. Laura	American Heart Association Western State Affiliate	Identification of Lipotoxins Affecting Cardiac Physiology in the Face of Caloric Overload	100	\$13,757	\$1,376	\$15,133
Musselman, Dr. Laura	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	70	\$31,679	\$11,250	\$42,929
Powell, Mr. Thomas	University of Florida	Dimensions: Collaborative Research: Time After Time: Adaptive Seasonal Timing Drives the Sequential Origin of Community- U of F Project: P0016611	100	\$69,883	\$39,134	\$109,017
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Pyruvate Depletion as Adjunctive Therapy for the Treatment of Biofilm-Related Infections	50	\$77,850	\$28,431	\$106,281
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Role of SagS signaling and regulatory events in biofilm formation and tolerance	100	\$91,988	\$50,593	\$142,582
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Role of PA4878 in biofilm antimicrobial resistance	100	\$225,227	\$97,027	\$322,254
Schertzer, Dr. Jeffrey W	National Science Foundation	MRI: Development of a Microfluidic Instrument for High-throughout Production of Asymmetric Vesicles to Support Membrane Biology Research	50	\$18,453	\$9,640	\$28,093
Schertzer, Dr. Jeffrey W	National Institute of Allergy & Infectious Disease	Evaluating the Bilayer-Couple Model of Outer Membrane Vesicle Biogenesis Using Novel Asymmetric Membrane Templates	34	\$24,816	\$13,133	\$37,949

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Stamp, Dr. Nancy E	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$128,588	\$0	\$128,588
Zhu, Dr. Weixing	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$14,414	\$7,207	\$21,621
Zhu, Dr. Weixing	National Science Foundation	EAGER: Linking Crow Roosting Behavior with Nitrogen Biogeochemistry in Urban Ecosystems	50	\$2,275	\$1,251	\$3,526

Department Total: \$1,287,965

020 Biomedical Engineering

Doiron, Dr. Amber L	National Science Foundation	MRI: Acquisition of an Integrated Scanning Probe-Raman Microscope	20	\$783	\$431	\$1,214
Doiron, Dr. Amber L	National Institute of Allergy & Infectious Disease	Pyruvate Depletion as Adjunctive Therapy for the Treatment of Biofilm-Related Infections	50	\$77,850	\$28,431	\$106,281
German, Dr. Guy	Unilever Trumbull Research Services Incorporated	Unrestricted Research Support	100	\$1,422	\$213	\$1,635
German, Dr. Guy	SCA Hygiene Products AB	Effects of ageing and prolonged exposure to incontinent environments on the structure, function and mechanics of human stratum corneum	100	\$43,249	\$22,770	\$66,019
German, Dr. Guy	Avon Products Incorporated	Measuring In-Vivo Changes in the Mechanical Properties of Human Skin Upon Application of Cosmetic Formulations	100	\$18,566	\$10,143	\$28,709
German, Dr. Guy	National Science Foundation	CAREER: Understanding the Multi-Scale Failure Mechanics of Human Skin with Age, Ultraviolet Photodamage and Bacteria Growth	100	\$72,457	\$36,010	\$108,467
Hookway, Ms. Tracy	American Heart Association Founders Affiliate	American Heart Association Founder's Affiliate Undergraduate Student Fellowship Summer 2018	100	\$5,000	\$0	\$5,000

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Lu, Dr. Frank	National Institutes of Health	Stimulated Raman imaging for label-free histology to guide brain tumor surgery	100	\$68,745	\$29,470	\$98,215
Mahler, Dr. Gretchen	National Inst of Environmental Health Sciences	The Effects of Engineered Nanoparticle Ingestion on Mineral Absorption and Small Intestinal Health and Function	100	\$2,723	\$0	\$2,723
Mahler, Dr. Gretchen	National Science Foundation	Endothelial to Mesenchymal Transformation Mechanobiology	34	\$4,495	\$2,472	\$6,967
Mahler, Dr. Gretchen	National Science Foundation	Endothelial to Mesenchymal Transformation Mechanobiology	50	\$3,838	\$0	\$3,838
Ye, Dr. Kaiming	National Science Foundation	2017 Inaugural Advanced Biomanufacturing Conference	100	\$9,075	\$819	\$9,894
Ye, Dr. Kaiming	National Science Foundation	REU Site: Undergraduate Research Experience in Biomedical Translational Science and Technology Development	100	\$21,879	\$12,471	\$34,349
Ye, Dr. Kaiming	National Science Foundation	REU Site: Undergraduate Research Experience in Biomedical Translational Science and Technology Development	100	\$48,514	\$0	\$48,514
				Department Total:	\$521,826	
020 CCPA Deans Office						
Bronstein, Dr. Laura R	Multiple Sponsors	Continuing Education Activities	100	\$17,634	\$2,645	\$20,279
Bronstein, Dr. Laura R	Broome County Department of Mental Health	2018 Mental Health Schools Project Grant	100	\$118,937	\$15,462	\$134,399
Bronstein, Dr. Laura R	Windsor Central School District	Windsor Promise Zone	100	\$74,296	\$9,658	\$83,955

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Bronstein, Dr. Laura R	Multiple Sponsors	CCPA Miscellaneous Income	100	\$115,768	\$17,365	\$133,133
Bronstein, Dr. Laura R	Broome County Department of Mental Health	2017 Mental Health Project Grant Schools	100	\$182,659	\$23,746	\$206,405
Bronstein, Dr. Laura R	Conrad and Virginia Klee Foundation	Community Engagement with Families in the North Side of Binghamton	50	\$30,036	\$0	\$30,036
Bronstein, Dr. Laura R	Multiple Sponsors	Community School Coordinators	100	\$42,145	\$5,479	\$47,624
Bronstein, Dr. Laura R	Foundation of SUNY at Binghamton	Christine Bearsch Fellowship	100	\$10,000	\$0	\$10,000
Collett-O'Brien, Ms. Debra A	Multiple Sponsors	Professional Development Program Workshop Income	100	\$3,696	\$924	\$4,620
Edmunds, Ms. Tara	United Way of Broome County Inc	Community Engagement with Families in the North Side of Binghamton	100	\$3,179	\$638	\$3,817
Kida, Ms. LuAnn F	Conrad and Virginia Klee Foundation	Community Engagement with Families in the North Side of Binghamton	50	\$30,036	\$0	\$30,036
Kida, Ms. LuAnn F	Best Buy Foundation	Robocats Robotics Group	100	\$1,810	\$471	\$2,281
Kida, Ms. LuAnn F	Whole Kids Foundation	Educational Edible Garden Program	100	\$84	\$0	\$84
Kida, Ms. LuAnn F	United Way of Broome County Inc	Community School Capacity Building Through Professional Development	100	\$262	\$39	\$302

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Lee, Dr. Youjung	Johnson City Central School District	Family and Community Engagement Program	100	\$49,818	\$0	\$49,818
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$11,132	\$6,123	\$17,255
Mastroleo, Dr. Nadine	Brown University	Enhancing the Efficacy and Duration of a Brief Alcohol Intervention Using Self-Affirmation-1R01AA025643-01	100	\$47,535	\$9,520	\$57,055
Mastroleo, Dr. Nadine	Addiction Center of Broome County	Stop, Think, Change Broome County Drug Court Grant Addiction Center of Broome County: YR 2: 2017-2018	100	\$16,375	\$5,754	\$22,129
Mastroleo, Dr. Nadine	SiMmersion	Simulated Clinician Assessment for Cognitive Behavioral Therapy Skills R01MH112625	33	\$680	\$381	\$1,060
Mastroleo, Dr. Nadine	SiMmersion	Virtual Role-Plays to Train Cognitive Behavioral Treatment (CBT) for Addictions	100	\$2,721	\$568	\$3,288
Mastroleo, Dr. Nadine	Brown University	Intervention Ingredients and Mechanisms of an Efficacious Motivational Interview	100	\$2,326	\$1,279	\$3,605
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$3,287	\$1,808	\$5,095
Mastroleo, Dr. Nadine	Addiction Center of Broome County	Binghamton Adult Treatment Court (BATC) Stop! Think! Change! Program	100	\$906	\$318	\$1,224
Mikeska, Ms. Heidi	Broome County	Summer Zones of the Broome County Promise Zone- Resoultion 2017-227	100	\$9,090	\$909	\$9,999
Schaffer, Mr. David	National Institutes of Health	Perivascular Transport of Solutes from the Brain	33	\$23,568	\$6,108	\$29,676

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Sinclair, Dr. Thomas	WK Kellogg Foundation	Sustainable Village & Learning Community in Archaie, Haiti	100	\$453	\$45	\$498

Department Total: \$907,671

020 CCPA Human Development

Wilton, Dr. Leo	New York University	Using MOST to Optimize an HIV Continuum Intervention for Vulnerable Populations NIH Award R01DA040480	100	\$41,165	\$22,641	\$63,805
Wilton, Dr. Leo	New York Blood Center	Using technology to match young Black MSM to HIV testing options NIH 1R01HD078595-04	100	\$29,631	\$16,297	\$45,928
Wilton, Dr. Leo	New York Blood Center	Testing an Intervention to Increase HIV Self-Testing Among Young, Black MSM-- NIH000305	100	\$19,191	\$10,555	\$29,746

Department Total: \$139,479

020 CCPA Public Administration

Homsy, Dr. George C	Cornell University	Rural Sustainability: Linking Economics and the Environment	100	\$49,400	\$14,722	\$64,122
Rubaii, Dr. Nadia	Spencer Foundation	Measuring the Effectiveness of University Efforts to Promote Students' Intercultural Competencies: A Structured Dialogue to Improve Assessment of Alternative Internationalization Strategies	100	\$35,962	\$0	\$35,962

Department Total: \$100,084

020 CCPA Social Work

Bransford, Dr. Cassandra L.	University of Texas at Austin	National Homelessness Social Work Initiative	100	\$2,857	\$143	\$3,000
Gunn, Ms. Alana	Fordham University	HIV/ Drug Abuse Prevention Ethics Training Institute	100	\$5,087	\$407	\$5,494

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Kang, Dr. Suk-Young	Rush University Medical Center	Addressing Nonmedical Influences-Golden	50	\$1,351	\$135	\$1,486
Rizzo, Dr. Victoria	Rush University Medical Center	Addressing Nonmedical Influences-Golden	50	\$1,351	\$135	\$1,486
Rizzo, Dr. Victoria	SiMmersion	Simulated Clinician Assessment for Cognitive Behavioral Therapy Skills R01MH112625	33	\$678	\$379	\$1,057
Rizzo, Dr. Victoria	NYS Office of Mental Health	2016-2017 Dean's Consortium Project for Evidence Based Practice in Mental Health	100	\$2,000	\$0	\$2,000
Rizzo, Dr. Victoria	NYS Office of Mental Health	2017-2018 Dean's Consortium Project for Evidence Based Practice in Mental Health	100	\$5,596	\$0	\$5,596

Department Total: \$20,118

020 CCPA Student Affairs

Smith, Ms. Natesha	American College Personnel Association	Engaging Cross-Cultural Impressions: an Exploration of Student Affairs Practices in the Gulf Region	100	\$3,596	\$0	\$3,596
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Department Total: \$3,596

020 CCPA Teaching Learning Educ Leadership

Burch, Dr. Connie B	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$11,126	\$890	\$12,016
Burch, Dr. Connie B	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$91,443	\$5,186	\$96,630
Burch, Dr. Connie B	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$9,185	\$735	\$9,919

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Burch, Dr. Connie B	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$290	\$23	\$313
Burch, Dr. Connie B	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$47,909	\$3,833	\$51,742
Burch, Dr. Connie B	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$791	\$63	\$854
Burch, Dr. Connie B	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$14,135	\$1,131	\$15,266
Burch, Dr. Connie B	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$6,457	\$517	\$6,974
Burch, Dr. Paul	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$47,909	\$3,833	\$51,742
Burch, Dr. Paul	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$6,457	\$517	\$6,974
Burch, Dr. Paul	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$14,135	\$1,131	\$15,266
Burch, Dr. Paul	NYS Education Department	Teacher Leadership Quality Partnership (TLQP) Professional Development Program 2017-2018	50	\$791	\$63	\$854
Burch, Dr. Paul	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$9,185	\$735	\$9,919
Burch, Dr. Paul	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$11,126	\$890	\$12,016

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Burch, Dr. Paul	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$91,443	\$5,186	\$96,630
Burch, Dr. Paul	NYS Education Department	Teacher Leader Quality Partnership (TLQP) Professional Development Program 2016-17	50	\$290	\$23	\$313
Hilliker, Ms. Shannon M.	Terra Science and Education Foundation	English language development instruction in elementary grade	100	\$11,105	\$0	\$11,105
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2017/2018	100	\$34,216	\$2,737	\$36,953
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2017/2018	100	\$4,207	\$337	\$4,543
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2017/2018	100	\$23,769	\$1,901	\$25,670
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2017/2018	100	\$247,574	\$19,806	\$267,380
Humphrey, Ms. Amy L.	Multiple Sponsors	Income Account for Liberty Partnership Activities	100	\$54,040	\$4,323	\$58,363
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2016-2017	100	\$14,991	\$1,199	\$16,190
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2016-2017	100	\$17,578	\$1,406	\$18,985
Humphrey, Ms. Amy L.	Multiple Sponsors	Miscellaneous Income - Liberty Partnership Program	100	\$6,720	\$538	\$7,258

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Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partership Program 2016-2017	100	\$12,541	\$1,003	\$13,544
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2017/2018	100	\$8,353	\$668	\$9,021
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partership Program 2016-2017	100	\$58,493	\$4,679	\$63,172
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partership Program 2016-2017	100	\$5,275	\$422	\$5,697
Malin, Dr. Jo E.	US Department of Education	Talent Search Program 2017-2021	100	\$231,252	\$18,500	\$249,752
Malin, Dr. Jo E.	US Department of Education	Talent Search 2016-2017	100	\$48,961	\$3,917	\$52,877
Department Total:				\$1,227,939		

020 Chemistry

An, Dr. Ming	National Institute of General Medical Sciences	Rational Design of pH-Low Insertion Peptides for Cargo Delivery	70	\$10,533	\$5,898	\$16,431
Bane Tuttle, Dr. Susan B	National Cancer Institute	Coupling through Boron: Fast, Tunable, and Versatile Bioorthogonal Reactions Producing Boron-Containing Heterocycles	100	\$1,386	\$790	\$2,177
Callahan, Dr. Brian P	US Army Medical Research Acquisition Activity	Hedgehog Protein Cholesterololysis: A New Therapeutic Target for Advanced Prostate Cancer	100	\$11,402	\$6,271	\$17,673
Callahan, Dr. Brian P	Rensselaer Polytechnic Institute	Structural Mechanisms of Hedgehog Autoprocessing in Physiology and Disease PTE 1R01CA206592-01-A1 - Subaward A12815	100	\$83,627	\$43,006	\$126,632

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Dimitrov, Mr. Nikolay	National Science Foundation	All-Electrochemical Synthesis of nanoporous Metal Based Catalysts for Energy Applications and Environmental Pollution Remedy	100	\$37,659	\$20,204	\$57,863
Dimitrov, Mr. Nikolay	National Science Foundation	All-Electrochemical Synthesis of nanoporous Metal Based Catalysts for Energy Applications and Environmental Pollution Remedy	100	\$7,639	\$0	\$7,639
Fang, Dr. Jiayuan	Custom Electronics Incorporated	Study and Processing of High-Performance Supercapacitor Materials	100	\$6,093	\$1,584	\$7,678
Fang, Dr. Jiye	Quansor Corporation	Quansor Water Softener Controls Project	50	\$1,586	\$904	\$2,489
Fang, Dr. Jiye	American Chemical Society	Ceria Facet Dependent Oxidative Coupling of Methane Towards C2 Products	100	\$36,936	\$0	\$36,936
Fang, Dr. Jiye	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$3,682	\$2,025	\$5,707
Fang, Dr. Jiye	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$40,971	\$0	\$40,971
Fang, Dr. Jiye	Aegis Technology	Unrestricted Research Support	100	\$523	\$78	\$601
Fang, Dr. Jiye	Mitsui Mining and Smelting Company Limited	Master Material Transfer and Confidential Disclosure Agreement	100	\$1,218	\$304	\$1,522
Grewer, Dr. Christof	Icahn School of Medicine at Mount Sinai	Substrate Specificity Determinants in Cancer-Related Solute Carrier Transporters	100	\$11,414	\$6,278	\$17,691
Grewer, Dr. Christof	Icahn School of Medicine at Mount Sinai	Substrate Specificity Determinants in Cancer-Related Solute Carrier Transporters	100	\$12,429	\$6,836	\$19,265

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Jones, Dr. Wayne E	Binghamton City School District	2017 Go Green Summer Institute at Binghamton University	100	\$51,647	\$28,922	\$80,569
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$3,734	\$0	\$3,734
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$3,703	\$0	\$3,703
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$4,579	\$0	\$4,579
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,698	\$0	\$8,698
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$5,499	\$0	\$5,499
Jones, Dr. Wayne E	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$5,914	\$0	\$5,914
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,698	\$0	\$8,698
Jones, Dr. Wayne E	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$5,003	\$2,802	\$7,805
Jones, Dr. Wayne E	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$25,085	\$0	\$25,085
Jones, Dr. Wayne E	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$6,491	\$3,635	\$10,125

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,349	\$0	\$1,349
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$6,170	\$0	\$6,170
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,778	\$0	\$8,778
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,607	\$0	\$1,607
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,498	\$0	\$8,498
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,999	\$0	\$1,999
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,498	\$0	\$8,498
Jones, Dr. Wayne E	US Army Research Office	Decontamination of Toxic Agents Using Nanofibers	100	\$9,526	\$5,335	\$14,861
Jones, Dr. Wayne E	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$3,682	\$2,025	\$5,707
Jones, Dr. Wayne E	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$40,971	\$0	\$40,971
Jones, Dr. Wayne E	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$5,547	\$0	\$5,547

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Qiang, Mr. Wei	National Institute of General Medical Sciences	Molecular mechanisms of membrane disruption induced by early-stage aggregation of beta-amyloid peptides	100	\$36,051	\$8,177	\$44,228
Rozners, Mr. Eriks	National Institute of General Medical Sciences	Amide-Modified RNA: Synthesis, Structure and Potential for RNA Interference	100	\$234,842	\$57,576	\$292,417
Rozners, Mr. Eriks	Binghamton City School District	2018 Go Green Summer Institute	100	\$7,115	\$3,985	\$11,100
Rozners, Mr. Eriks	National Science Foundation	Dynamics and Energetics of Secondary-Active Glutamate Transport	100	\$82,084	\$37,529	\$119,613
Rozners, Mr. Eriks	National Science Foundation	Sequence Selective Recognition of Double-Straanded Non-Coding RNA via Triplex Forming PNA	100	\$13,341	\$7,337	\$20,678
Rozners, Mr. Eriks	National Science Foundation	Sequence Selective Recognition of Double-Straanded Non-Coding RNA via Triplex Forming PNA	100	\$4,212	\$2,316	\$6,528
Rozners, Mr. Eriks	National Science Foundation	Collaborative Research: Nucleobase-Modified Peptide Nucleic Acid (PNA) for Sequence Selective Triple-Helical Recognition of Non-Coding Ribonucleic Acid (RNA)	100	\$72,285	\$36,209	\$108,494
Sadik, Dr. Omowunmi A	National Science Foundation	BREAD PHENO: Development and Field Testing of Paper-based Biosensors to Increase Productivity of Smallholder Agriculture in Developing Countries	100	\$164,579	\$22,754	\$187,333
Sadik, Dr. Omowunmi A	National Science Foundation	I-Corps: Nanosensors for rapid detection of food pathogens	100	\$14,825	\$1,647	\$16,472
Solmaz, Ms. Sozanne	National Institute of General Medical Sciences	Cell cycle-specific recognition of the cell nucleus as cargo for dynein-dependent transport	100	\$2,919	\$1,634	\$4,553
Vetticatt, Dr. Mathew	National Institutes of Health	Novel Concepts and Mechanistic Probes in Catalysis	100	\$77,889	\$40,180	\$118,069

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,856	\$4,399	\$13,255
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$3,703	\$0	\$3,703
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$4,579	\$0	\$4,579
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,698	\$0	\$8,698
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$5,499	\$0	\$5,499
Whittingham, Dr. M Stanley	NYS Department of Economic Development	NorthEast Center for Chemical Energy Storage (NECCES)	100	\$2,907	\$0	\$2,907
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$3,734	\$0	\$3,734
Whittingham, Dr. M Stanley	US Department of Energy	Battery500 Consortium - Development of High-Capacity Cathodes and Robust Solid Electrolytes	100	\$172,518	\$96,610	\$269,128
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$6,170	\$0	\$6,170
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$1,103	\$0	\$1,103
Whittingham, Dr. M Stanley	Empire State Development Corp	Empire State Development Grants Program NECCES Battery Dry Room, CFA # 53297	100	\$349,645	\$0	\$349,645

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$5,547	\$0	\$5,547
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,698	\$0	\$8,698
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,778	\$0	\$8,778
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,607	\$0	\$1,607
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,498	\$0	\$8,498
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,999	\$0	\$1,999
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$8,498	\$0	\$8,498
Whittingham, Dr. M Stanley	US Department of Energy	High Energy Density Lithium Battery	100	\$124,986	\$68,742	\$193,728
Whittingham, Dr. M Stanley	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	100	\$2,315,910	\$255,158	\$2,571,068
Whittingham, Dr. M Stanley	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	40	\$1,349	\$0	\$1,349
Zhong, Dr. Chuan Jian	National Science Foundation	Exploring Synergy of Composition-Tunable Nanoalloys for Catalytic Oxidation of Hydrocarbons	100	\$32,250	\$17,737	\$49,987

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Zhong, Dr. Chuan Jian	Mecotech Incorporated	Unrestricted Research	100	\$21,840	\$3,276	\$25,116
Zhong, Dr. Chuan Jian	National Science Foundation	I-Corps: Air Stable and Low Cost Metal Inks for Wearable Electronics and Sensors	100	\$19,908	\$2,212	\$22,120
Zhong, Dr. Chuan Jian	Central Michigan University	Element Specific Atomic Arrangement of Nanosized Catalysts in a Prepared and Active State	100	\$66,077	\$36,093	\$102,171
Zhong, Dr. Chuan Jian	National Science Foundation	PFI: AIR-TT: Scale-up Synthesis of Nanoparticles for Manufacturing Microelectrodes and Sensing Films of Indoor Air Quality Chemiresistor Sensors	100	\$42,745	\$22,492	\$65,237
Zhong, Dr. Chuan Jian	National Science Foundation	I-Corps: Low Noble Metal Content Catalysts for Emission Control Systems	100	\$5,072	\$563	\$5,635

Department Total: \$5,307,615

020 Computer Science

Abu-Ghazaleh, Dr. Nael	Qatar University	Virtually Secure:A Framework for Hypervisor Code and Data Integrity	50	\$0	(\$5)	(\$5)
Chiu, Dr. Kenneth	Cary Institute of Ecosystem Studies	Building Analytical, Synthesis, and Human Network Skills Needed for Macrosystem Science	100	\$8,340	\$1,287	\$9,627
Chiu, Dr. Kenneth	National Institute of General Medical Sciences	Using Natural Variation to Map Mitochondrial-Nuclear Interactions in Yeast	25	\$25,957	\$13,640	\$39,597
Ghose, Dr. Kanad	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	33	\$597	\$316	\$913
Ghose, Dr. Kanad	Huawei Technologies Company Limited	Huawei Corporation's Membership in the I/UCRC for Energy-Smart Electronic Systems	33	\$7,521	\$752	\$8,274

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ghose, Dr. Kanad	Multiple Sponsors	ES2 IAB Donation Multiple Sponsors	33	\$42	\$4	\$46
Ghose, Dr. Kanad	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	50	\$122,589	\$18,657	\$141,246
Ghose, Dr. Kanad	NYS Energy Research and Development Authority	Effectiveness, Efficiency, and Integrated Improvements of Warm Water Direct Liquid Cooling Systems Agreement 41201	50	\$27,618	\$15,190	\$42,808
Ghose, Dr. Kanad	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	33	\$1,056	\$581	\$1,636
Ghose, Dr. Kanad	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program	33	\$23,418	\$10,647	\$34,065
Ghose, Dr. Kanad	Intel Corporation	Power-Performance Management in x86 and x86-64 Multicore Microprocessors, Memory and I/O Subsystems	100	\$6,721	\$3,562	\$10,283
Ghose, Dr. Kanad	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	50	\$1,336	\$735	\$2,071
Gopalan, Dr. Kartik	ITRI International Incorporated	Lightweight Hypervisor-Level Mechanisms for Guest Security and Reliability	100	\$20,997	\$11,758	\$32,755
Gopalan, Dr. Kartik	National Science Foundation	CSR:Small: Multi-hypervisor Virtual Machines-Enabling an Ecosystem of Hypervisors in the Cloud	100	\$10,000	\$0	\$10,000
Gopalan, Dr. Kartik	National Science Foundation	CSR:Small: Multi-hypervisor Virtual Machines-Enabling an Ecosystem of Hypervisors in the Cloud	100	\$85,248	\$43,585	\$128,833
Gopalan, Dr. Kartik	National Science Foundation	CSR:Small:Towards High Performance, Robust and Secure Live Migration of Virtual Machines	50	\$6,866	\$3,776	\$10,643

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Gopalan, Dr. Kartik	National Science Foundation	CSR:Small:Towards High Performance, Robust and Secure Live Migration of Virtual Machines	50	\$158	\$0	\$158
Govindaraju, Dr. Madhusudhan	IBM Corporation	IBM Faculty Award for Madhusudhan Govindaraju	100	\$3,866	\$0	\$3,866
Govindaraju, Dr. Madhusudhan	Multiple Sponsors	Certificate Course to allow students to observe how Computer Science research and projects are conducted	100	\$7,580	\$1,895	\$9,475
Govindaraju, Dr. Madhusudhan	National Science Foundation	S12-SSE: Expanding the Scope of Materials Modeling with Electron Phonon Wannier (EPW) Software	100	\$1,562	\$875	\$2,437
Kang, Dr. Kyoung-Don	National Science Foundation	CSR: Small: Timely Power-Aware Data Managment in Embedded Systems	100	\$73,879	\$33,525	\$107,404
Liu, Dr. Yao	National Science Foundation	CSR: Small: A Unified Approach Toward User-specific Improvements of Quality of Experience for Video Streaming	100	\$80,517	\$41,232	\$121,749
Liu, Dr. Yao	National Science Foundation	CSR: Small: A Unified Approach Toward User-specific Improvements of Quality of Experience for Video Streaming	100	\$12,000	\$0	\$12,000
Liu, Dr. Yu David	National Science Foundation	II:New:Collaborative Research:An Extensible Software Infrastructure for Unmanned Aerial Vehicles	100	\$422	\$232	\$655
Liu, Dr. Yu David	National Science Foundation	SHF: Small Green Parallel Language Systems	100	\$115,794	\$59,379	\$175,173
Meng, Dr. Weiyi	University of Illinois at Chicago	Text Mining Pipeline to Accelerate Systematic Reviews in Evidence-Based Medicine Prime Award 2R01LM010817-05A1	100	\$28,033	\$8,818	\$36,852
Meng, Dr. Weiyi	National Science Foundation	BIGDATA: Collaborative Research: F: Streaming Architecture for Continuous Entity Linking in Social Media	100	\$61,949	\$33,054	\$95,003

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Miller, Dr. Timothy N	National Science Foundation	CAREER: Sustaining Moore's Law Through Introspective Computing: A Comprehensive System For Reliability and Energy Optimization in Modern Computing Devices	100	\$11,600	\$0	\$11,600
Miller, Dr. Timothy N	National Science Foundation	CAREER: Sustaining Moore's Law Through Introspective Computing: A Comprehensive System For Reliability and Energy Optimization in Modern Computing Devices	100	\$84,397	\$42,857	\$127,253
Ponomarev, Mr. Dmitry V	Qatar University	Architectural Approaches for Protecting Against Compromised System Software	100	\$4,160	\$832	\$4,992
Ponomarev, Mr. Dmitry V	Qatar University	Architectural Approaches for Protecting Against Compromised System Software	100	\$2,159	\$432	\$2,591
Ponomarev, Mr. Dmitry V	National Science Foundation	TWC: Small: Collaborative: Practical Hardware-Assisted Always-On Malware Detection	50	\$3,600	\$0	\$3,600
Ponomarev, Mr. Dmitry V	National Science Foundation	TWC: Small: Collaborative: Practical Hardware-Assisted Always-On Malware Detection	50	\$21,905	\$11,798	\$33,703
Ponomarev, Mr. Dmitry V	Regents of the University of California Riverside	Parallel Discrete Event Simulation on Emerging High-performance Multicore Clusters - US Air Force Award FA9550-15-1-0384	100	\$59,268	\$32,099	\$91,368
Ponomarev, Mr. Dmitry V	National Science Foundation	TWC:Small:Side Channels Through Lower-Level Caches: Attacks, Defenses and Security Metrics	100	\$97,676	\$6,152	\$103,829
Ponomarev, Mr. Dmitry V	Qatar University	Virtually Secure:A Framework for Hypervisor Code and Data Integrity	50	\$0	(\$5)	(\$5)
Ponomarev, Mr. Dmitry V	Qatar University	Architectural Approaches for Protecting Against Compromised System Software	100	\$7,810	\$1,562	\$9,372
Prakash, Dr. Aravind	National Science Foundation	CRII: SaTC: Robust and Platform Independent Recovery of Design Features from C++ Binaries	100	\$45,653	\$21,300	\$66,954

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Prakash, Dr. Aravind	National Science Foundation	CRII: SaTC: Robust and Platform Independent Recovery of Design Features from C++ Binaries	100	\$14,826	\$0	\$14,826
Prakash, Dr. Aravind	Royal Bank of Canada	Cross Layer Data Lifetime and Integrity in the Android Key Management System	100	\$12,892	\$7,220	\$20,112
Prakash, Dr. Aravind	US Navy Office of Naval Research	ALBER: A Backward-Compatible Late-Stage Debloating Platform for Mobile and Desktop Environments	100	\$40,859	\$15,811	\$56,669
Prakash, Dr. Aravind	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program	33	\$23,348	\$10,615	\$33,963
Sha, Mr. Mo	National Science Foundation	CRII: NeTS: Self-Adaption in Industrial Wireless Sensor-Actuator Networks	100	\$3,542	\$1,983	\$5,525
Wang, Dr. Yan	National Science Foundation	CRII: NeTS: Ubiquitous Sensing based Location-aware Driving Safety System	100	\$45,002	\$20,886	\$65,888
Yan, Dr. Guanhua	National Science Foundation	TWC: Small: A Moving Target Approach to Enhancing Machine Learning-Based Malware Defense	100	\$52,873	\$25,731	\$78,604
Yan, Dr. Guanhua	University of Illinois Urbana Champaign	LEFT: an LTE Oriented Emulation Instrumented Fuzzing Testbed	100	\$46,078	\$25,804	\$71,881
Yan, Dr. Guanhua	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	50	\$56,992	\$16,878	\$73,869
Yang, Dr. Ping	National Science Foundation	CSR:Small:Towards High Performance, Robust and Secure Live Migration of Virtual Machines	50	\$6,866	\$3,776	\$10,643
Yang, Dr. Ping	National Science Foundation	CSR:Small:Towards High Performance, Robust and Secure Live Migration of Virtual Machines	50	\$158	\$0	\$158

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yang, Dr. Ping	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	50	\$56,992	\$16,878	\$73,869
Yin, Dr. Lijun	National Science Foundation	CI-SUSTAIN: Collaborative Research: Extending a Large Multimodal Corpus of Spontaneous Behavior for Automated Emotion Analysis	100	\$51,533	\$24,912	\$76,445
Yin, Dr. Lijun	National Science Foundation	CI-SUSTAIN: Collaborative Research: Extending a Large Multimodal Corpus of Spontaneous Behavior for Automated Emotion Analysis	100	\$1,600	\$0	\$1,600
Yu, Dr. Lei	National Science Foundation	TWC: Small: Collaborative: Practical Hardware-Assisted Always-On Malware Detection	50	\$3,600	\$0	\$3,600
Yu, Dr. Lei	National Science Foundation	TWC: Small: Collaborative: Practical Hardware-Assisted Always-On Malware Detection	50	\$21,905	\$11,798	\$33,703
Zhang, Dr. Yifan	National Science Foundation	CRII: CSR NeTS: Enabling Secure and Trusted Device I/Os on Smartphones	100	\$70,472	\$36,725	\$107,197
Zhang, Dr. Yifan	National Science Foundation	Travel Support for the ACM/IEEE SEC Conference 2017	100	\$19,978	\$0	\$19,978
Zhang, Dr. Yifan	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program	33	\$23,348	\$10,615	\$33,963

Department Total: \$2,275,316

020 Electrical and Computer Engineering

Chen, Dr. Yu	National Science Foundation	EARS Collaborative Research - Intelligence Measure of Cognitive Radio Networks	50	\$19,877	\$9,788	\$29,665
Choi, Dr. Seokheun	National Science Foundation	Unlocking the Promise of Bacterial Electrogenicity	100	\$65,294	\$24,322	\$89,616

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Choi, Dr. Seokheun	National Science Foundation	BREAD PHENO: Development and Field Testing of Paper-based Biosensors to Increase Productivity of Smallholder Agriculture in Developing Countries	100	\$45,853	\$21,410	\$67,263
Choi, Dr. Seokheun	National Science Foundation	An Origami Paper-Based Bacteria-Powered Battery for On-Chip Biosensors	100	\$59,815	\$29,089	\$88,904
Dhakal, Dr. Tara Prasad	National Science Foundation	CAREER: Toward Twenty Year Lifetime: Hermetic Sealing for Perovskite Solar Cells	100	\$1,109	\$632	\$1,741
Dhakal, Dr. Tara Prasad	NextCorps	Phase 1 Nexus NY Program -	100	\$7,180	\$287	\$7,467
Dhakal, Dr. Tara Prasad	Quansor Corporation	Quansor Water Softener Controls Project	50	\$1,586	\$904	\$2,489
Fridrich, Dr. Jessica J.	US Air Force Office of Scientific Research	Rich Cover Models for Steganalysis of Digital Media	100	\$36,695	\$19,448	\$56,143
Fridrich, Dr. Jessica J.	National Science Foundation	TWC: Medium: Steganography in Empirical Sources Using Acquisition Oracle	100	\$83,247	\$38,677	\$121,925
Fridrich, Dr. Jessica J.	US Air Force Research Laboratory	New Generation of Image Processing History and Manipulation Detection Techniques with Vectorized Context-Aware Descriptors	50	\$91,790	\$46,167	\$137,958
Goljan, Dr. Miroslav	Federal Bureau of Investigation	FINDCamera Research & Testing	100	\$58,957	\$33,016	\$91,973
Guo, Dr. Linke	National Science Foundation	CCSS: Collaborative Research: Towards Privacy-Preserving Mobile Crowd Sensing: A Multi-Stage Solution	100	\$32,073	\$16,925	\$48,998
Guo, Dr. Linke	National Science Foundation	EAGER: Malignous Behavior Detection in Hybrid Dynamic Spectrum Access	100	\$23,045	\$11,869	\$34,915

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Guo, Dr. Linke	National Science Foundation	SCH-INT - Collaborative Research Crowd in Action Human-Centric Privacy-Preserving Data Analytics for Environmental Public Health	100	\$29,485	\$15,476	\$44,961
Hu, Dr. Miao	Huawei Technologies Company Limited	Deep Learning Applications on ReRam- Crossbar	100	\$11,585	\$6,488	\$18,073
Jin, Dr. Zhanpeng	National Science Foundation	TWC SBE: Small: Collaborative Brain Password: Exploring A Psychophysiological Approach for Secure User Authentication	50	\$5,614	\$0	\$5,614
Jin, Dr. Zhanpeng	National Science Foundation	TWC SBE: Medium Collaborative: Brain Hacking: Assessing Psychological and Computational Vulnerabilities in Brain-based Biometrics	50	\$5,614	\$0	\$5,614
Jin, Dr. Zhanpeng	National Science Foundation	TWC SBE: Small: Collaborative Brain Password: Exploring A Psychophysiological Approach for Secure User Authentication	50	\$12,153	\$6,430	\$18,583
Jin, Dr. Zhanpeng	National Science Foundation	TWC SBE: Medium Collaborative: Brain Hacking: Assessing Psychological and Computational Vulnerabilities in Brain-based Biometrics	50	\$63,376	\$34,602	\$97,978
Jin, Dr. Zhanpeng	US Air Force Research Laboratory	A Holistic Approach to Understanding and Benchmarking of Cognitive and Architectural Characteristics for Neuromorphic Architectures	100	\$50,486	\$26,750	\$77,236
Kirchner, Dr. Matthias	National Science Foundation	CRII:SaTC:Camera-based mobile device end-user authentication	100	\$26,084	\$13,328	\$39,412
Kirchner, Dr. Matthias	US Air Force Research Laboratory	New Generation of Image Processing History and Manipulation Detection Techniques with Vectorized Context-Aware Descriptors	50	\$91,790	\$46,167	\$137,958
Klotzkin, Dr. David	Osram Sylvania Lighting Research Center	Enhanced Optical Extraction Efficiency from Ceramic and Thin Film Phosphors through Optimized Blue Pass Coatings	100	\$14,005	\$4,482	\$18,487
Klotzkin, Dr. David	Prismark Partners LLC	High Speed Analysis of Charging/ Receiving Inductors	100	\$1,667	\$333	\$2,000

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Klotzkin, Dr. David	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$3,682	\$2,025	\$5,707
Klotzkin, Dr. David	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$40,971	\$0	\$40,971
Li, Dr. Xiaohua	National Science Foundation	EARS Collaborative Research - Intelligence Measure of Cognitive Radio Networks	50	\$19,877	\$9,788	\$29,665
Nikulin, Mr. Vladimir V	US Air Force Research Laboratory	Exploitability of Free-Space Optical Communication Links and Verification of Hyper-Entanglement After Propagation Through the Receiver Components	100	\$55,208	\$29,347	\$84,555
Skormin, Dr. Victor A	US Navy Office of Naval Research	Security Approach for Industrial Control Systems	100	\$126,606	\$69,384	\$195,990
Summerville, Dr. Douglas H	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	33	\$1,156	\$636	\$1,791
Summerville, Dr. Douglas H	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	33	\$52,171	\$0	\$52,171
Wu, Dr. N Eva	NYS Energy Research and Development Authority	Development of a Low Cost Active DER System-Agreement 118225	33	\$15,882	\$8,552	\$24,434
Zahorian, Mr. Stephen A.	Minerva Systems and Technologies LLC	STTR Phase II Reverberation Mitigation of Speech - USAF Award FA8750-16-C-0292	100	\$107,253	\$56,456	\$163,708
Zahorian, Mr. Stephen A.	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	34	\$53,751	\$0	\$53,751
Zahorian, Mr. Stephen A.	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	34	\$1,191	\$655	\$1,846

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Zhang, Dr. Ziang	NYS Energy Research and Development Authority	Development of a Low Cost Active DER System-Agreement 118225	34	\$16,364	\$8,811	\$25,175
Zhou, Dr. Ning	Pacific Northwest National Laboratory	Algorithm Development for Dynamic State Estimation - FY16	100	\$2,301	\$1,266	\$3,567
Zhou, Dr. Ning	Bigwood Systems Incorporated	On-Line Validating and Calibrating Generator Dynamic and Electrical Parameters Using PMU and SCADA Data	100	\$20,301	\$10,148	\$30,449
Zhou, Dr. Ning	Pacific Northwest National Laboratory	Algorithm Development for Robust Dynamic State Estimation - FY18	100	\$19,231	\$10,769	\$30,000
Zhou, Dr. Ning	NYS Energy Research and Development Authority	Development of a Low Cost Active DER System-Agreement 118225	33	\$15,882	\$8,552	\$24,434
Zhou, Dr. Ning	Pacific Northwest National Laboratory	Algorithm Development for Hybrid State Estimation - FY18 Work Performed at Binghamton University, Binghamton NY United States	100	\$7,073	\$3,504	\$10,577

Department Total: \$2,023,762

020 Entrepreneurship and Innovation Partnership

McKeage, Mr. Louis G	Economic Development Administration	Trade Adjustment Assistance Center Serving New York, New Jersey and the Commonwealth of Puerto Rico	100	\$720,957	\$86,472	\$807,428
McKeage, Mr. Louis G	Multiple Sponsors	TAAC Income Account 2016-	100	\$6,000	\$0	\$6,000
McLeod, Dr. Kenneth J	VentureWell	Developing an Entrepreneurial Mindset in the First Year Student	100	\$3,236	\$0	\$3,236
Stromhaug, Mr. Per	NYS Energy Research and Development Authority	Southern Tier Clean Energy Incubator-NYSERDA #110470	100	\$72,456	\$0	\$72,456

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Stromhaug, Mr. Per	NYS Department of Economic Development	Binghamton University's Business Incubator Program	100	\$125,000	\$0	\$125,000
Stromhaug, Mr. Per	NYS Department of Economic Development	Binghamton University's Business Incubator Program	100	\$21,034	\$0	\$21,034
Stromhaug, Mr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$6,230	\$0	\$6,230
Stromhaug, Mr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$5,540	\$3,102	\$8,642
Stromhaug, Mr. Per	NYS Energy Research and Development Authority	Southern Tier Clean Energy Incubator-NYSERDA #110470	100	\$128,486	\$33,406	\$161,892

Department Total: \$1,211,918

020 Geography

Frazier, Dr. Timmy	University of Idaho	Pre-disaster Mitigation Plan (10 County) Purchase Order # P0047952	100	\$87	(\$4,045)	(\$3,958)
Frazier, Dr. Timmy	University of Idaho	Hazard Mitigation Planning for 6 Counties in Idaho P0050620	100	\$33,589	(\$9,951)	\$23,638

Department Total: \$19,680

020 Geological Sci & Environmental Studies

Graney, Dr. Joseph R	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$14,414	\$7,207	\$21,621
Jenkins, Dr. David M	National Science Foundation	Stability and Thermochemistry of some Chlorine-Bearing Calcium Amphiboles	100	\$33,438	\$18,207	\$51,645

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Jenkins, Dr. David M	National Science Foundation	Experimental Investigation of Chlorine Substitution into Calcic Amphiboles	100	\$4,901	\$2,696	\$7,597
Kulp, Dr. Thomas	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$14,414	\$7,207	\$21,621
Kulp, Dr. Thomas	National Science Foundation	Collaborative Research: Antimony stable isotope systematics during bacterial and abiotic redox cycling	100	\$37,279	\$14,789	\$52,069
Lowenstein, Dr. Tim K	Arizona Board of Regents	FESD Type I: Earth System Dynamics and its Role in Human Evolution in Africa	100	\$12,224	\$6,090	\$18,314
Lowenstein, Dr. Tim K	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$14,414	\$7,207	\$21,621
Naslund, Dr. Howard	National Science Foundation	Crystal Settling, In-situ Crystallization, Melt Migration, and Magma Recharge in a Differentiated Mafic Sill, Victoria Island, Canada	100	\$24,990	\$13,745	\$38,735
Patterson, Ms. Molly	Columbia University	US Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	100	\$7,514	\$1,954	\$9,467
Pietras, Dr. Jeffrey	Foundation of SUNY at Binghamton	Start Up Support Provided by Private Donor	100	\$4,144	\$0	\$4,144
Pietras, Dr. Jeffrey	American Chemical Society	Rhenium-Osmium Isotope Systematics: Application of Osmium Isotope Stratigraphy and Geochronology in Lacustrine Organic-rich Mudstones	100	\$35,256	\$0	\$35,256

Department Total: \$282,089

020 Graduate School Dean

Lam, Dr. Sarah	National Science Foundation	Graduate Research Fellowship Program	100	\$6,879	\$0	\$6,879
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<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Lam, Dr. Sarah	Council of Graduate Schools	Understanding PhD Career Pathways - HUMANITIES	33	\$429	\$0	\$429
Lam, Dr. Sarah	National Science Foundation	Graduate Research Fellowship Program	100	\$39,743	\$0	\$39,743
Strehle, Dr. Susan	Foundation of SUNY at Binghamton	Graduate Assistant Salaries/Fellowship Support Funded Through BU Foundation Accounts	100	\$228,167	\$0	\$228,167
Strehle, Dr. Susan	Council of Graduate Schools	Understanding PhD Career Pathways - HUMANITIES	33	\$429	\$0	\$429
Tarhule, Dr. Andover	Council of Graduate Schools	Understanding PhD Career Pathways - HUMANITIES	34	\$442	\$0	\$442

Department Total: \$276,088

020 Harpur College Deans/Womens Studies

Massey, Dr. Sean	The Network: The Lesbian, Gay, Bisexual and Transgender Community Center	The Network Legislative Enhancement Project Statewide	50	\$2,315	\$463	\$2,778
Silberstein, Ms. Dara	The Network: The Lesbian, Gay, Bisexual and Transgender Community Center	The Network Legislative Enhancement Project Statewide	50	\$2,315	\$463	\$2,778

Department Total: \$5,556

020 Judaic Studies

Friedman, Dr. Randy	Israel Institute	Development of the Institute for Israel Studies	100	\$202,172	\$0	\$202,172
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Department Total: \$202,172

020 Library Administration

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Schuster, Mr. David	NYS Education Department	Conservation & Preservation 2017-2018	100	\$60,415	\$0	\$60,415
Shephard, Mr. Edward	NYS Education Department	2017-2018 Library Collections Aid	100	\$21,305	\$0	\$21,305
Department Total:				\$81,720		

020 Mathematical Sciences

Dang, Ms. Sanjeena	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	15	\$6,788	\$2,411	\$9,199
Geoghegan, Dr. Ross	Simons Foundation	Algebraic and Asymptotic Properties of Generating Sets of Algebras	100	\$906	\$151	\$1,057
Geoghegan, Dr. Ross	Simons Foundation	New advances in quickest change-point detection with applications	100	\$1,391	\$232	\$1,623
Gogolyev, Dr. Andriy	National Science Foundation	New directions in Partially Hyperbolic Dynamics	100	\$20,895	\$11,701	\$32,596
Kargin, Dr. Vladislav	Simons Foundation	Research on Random Matrices and its Applications	100	\$708	\$142	\$849
Mazur, Dr. Marcin	Simons Foundation	Algebraic and Asymptotic Properties of Generating Sets of Algebras	100	\$5,147	\$860	\$6,006
Nguyen-Phan, Dr. Tu Tam	National Science Foundation	Topology of non-positively curved manifolds	100	\$8,619	\$4,740	\$13,359
Ontaneda, Dr. Pedro	National Science Foundation	Spaces with Negative and Nonpositive Curvature	100	\$40,316	\$22,174	\$62,489

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Polunchenko, Dr. Aleksey S	Simons Foundation	New advances in quickest change-point detection with applications	100	\$3,264	\$545	\$3,809
Qiao, Dr. Xingye	Simons Foundation	Statistical methods for High-Dimensional Classifications	100	\$5,640	\$942	\$6,582
Xu, Dr. Ganggang	Simons Foundation	Topics on regression models and spatial statistics	100	\$3,410	\$682	\$4,092
Zhou, Dr. Gang	National Science Foundation	Quantum Friction, Resonance Problems and New Methods in Geometric Flows	100	\$587	\$329	\$916

Department Total: \$142,579

020 Mechanical Engineering

Chiarot, Dr. Paul	National Science Foundation	MRI: Acquisition of an Integrated Scanning Probe-Raman Microscope	20	\$783	\$431	\$1,214
Chiarot, Dr. Paul	National Institutes of Health	Perivascular Transport of Solutes from the Brain	34	\$24,282	\$6,293	\$30,575
Chiarot, Dr. Paul	National Science Foundation	CAREER: Additive Manufacturing using Electro spray Printing of Nanoparticle Inks	100	\$47,857	\$25,304	\$73,161
Chiarot, Dr. Paul	National Institute of Allergy & Infectious Disease	Evaluating the Bilayer-Couple Model of Outer Membrane Vesicle Biogenesis Using Novel Asymmetric Membrane Templates	33	\$24,086	\$12,747	\$36,833
Chiarot, Dr. Paul	Edgewell Personal Care	Electrospray Deposition of PTFE Coatings Phases 1 and II	100	\$27,401	\$13,823	\$41,224
Chiarot, Dr. Paul	American Chemical Society	Electrohydrodynamic Atomization of Fuels Using Charge-Injection for Efficient Flameless Catalytic Combustion at Small Scale	100	\$31,426	\$0	\$31,426

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Chiarot, Dr. Paul	National Science Foundation	MRI: Development of a Microfluidic Instrument for High-throughout Production of Asymmetric Vesicles to Support Membrane Biology Research	50	\$18,453	\$9,640	\$28,093
Chiarot, Dr. Paul	National Science Foundation	Inkjet-Electrospray Hybrid Printing: Understanding the Processing-Structure Relationship	33	\$21,782	\$11,309	\$33,091
Cho, Dr. Junghyun	National Science Foundation	MRI: Acquisition of an Integrated Scanning Probe-Raman Microscope	20	\$783	\$431	\$1,214
Cho, Dr. Junghyun	Universal Instruments Corporation	Electronic Package Interconnects and Materials	100	\$16,905	\$4,155	\$21,059
Huang, Dr. Pong-Yu	American Chemical Society	Contact Dynamics and Flow Blockage Inhibition of Armored Bubbles Inside Confining Flow Conduits	100	\$3,878	\$0	\$3,878
Huang, Dr. Pong-Yu	National Science Foundation	Endothelial to Mesenchymal Transformation Mechanobiology	33	\$4,362	\$2,399	\$6,762
Huang, Dr. Pong-Yu	National Science Foundation	Endothelial to Mesenchymal Transformation Mechanobiology	50	\$3,838	\$0	\$3,838
Huang, Dr. Pong-Yu	National Institutes of Health	Perivascular Transport of Solutes from the Brain	33	\$23,568	\$6,108	\$29,676
Jin, Dr. Congrui	UT Battelle LLC	Characterization of Electrolyte Wetting in Lithium-Ion Battery Electrodes	100	\$10,177	\$5,699	\$15,876
Jin, Dr. Congrui	University of Science and Technology Beijing	High Temperature Creep Failure of Additively Manufactured Metals	100	\$2,802	\$84	\$2,886
Jin, Dr. Congrui	UT Battelle LLC	Assessment of Electrolyte Diffusion	100	\$7,581	\$4,245	\$11,826

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ke, Dr. Changhong	National Science Foundation	MRI: Acquisition of an Integrated Scanning Probe-Raman Microscope	20	\$783	\$431	\$1,214
Ke, Dr. Changhong	US Air Force Office of Scientific Research	Investigating the Structural and Mechanical Properties of Boron Nitride Nanotubes and their Polymer Nanocomposites	100	\$194,075	\$69,802	\$263,877
Ke, Dr. Changhong	Cornell University	NASA/New York Space Grant Consortium National Space Grant College and Fellowship Program 2015-2019	100	\$14,353	\$0	\$14,353
Ke, Dr. Changhong	National Science Foundation	Collaborative Research:Experimental and Computational Nanomechanics of the Load Transfer Mechanisms at the Graphene Polymer Interface	100	\$6,770	\$3,723	\$10,493
Miles, Dr. Ronald N	National Science Foundation	A New Approach to Capacitive Sensing: Repulsive Sensors	50	\$1,000	\$0	\$1,000
Miles, Dr. Ronald N	National Science Foundation	A New Approach to Capacitive Sensing: Repulsive Sensors	50	\$47,430	\$25,530	\$72,960
Murray, Dr. Bruce T	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	33	\$1,056	\$581	\$1,636
Murray, Dr. Bruce T	US Food and Drug Administration	Intergovernmental Personnel Agreement for Bruce Murray	100	\$14,071	\$1,266	\$15,337
Murray, Dr. Bruce T	Huawei Technologies Company Limited	Huawei Corporation's Membership in the I/UCRC for Energy-Smart Electronic Systems	33	\$7,521	\$752	\$8,274
Murray, Dr. Bruce T	Multiple Sponsors	ES2 IAB Donation Multiple Sponsors	33	\$42	\$4	\$46
Murray, Dr. Bruce T	National Science Foundation	Endothelial to Mesenchymal Transformation Mechanobiology	33	\$4,362	\$2,399	\$6,762

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Murray, Dr. Bruce T	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	33	\$597	\$316	\$913
Murray, Dr. Bruce T	Callsign Incorporated	ES2 Membership-Callsign Inc.	33	\$1	\$0	\$1
Park, Dr. Seungbae	Juniper Networks Incorporated	SB Park Research	100	\$5,503	\$3,082	\$8,584
Park, Dr. Seungbae	Samsung Electronics Co LTD	Designing Packages to Control Warpage for Higher Yield Reliability - Application to Heterogeneously Integrated Packages	100	\$16,344	\$9,153	\$25,497
Park, Dr. Seungbae	Koh Young Technology Incorporated	Offline and In-line Analyses of SPI Feedbacks in Printing Process Optimization	100	\$30,175	\$16,898	\$47,072
Park, Dr. Seungbae	Juniper Networks Incorporated	Thermal Analyses of 2.5D Package Assemblies	100	\$66,670	\$37,335	\$104,006
Pitarresi, Dr. James	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	33	\$1,156	\$636	\$1,791
Pitarresi, Dr. James	National Science Foundation	Scholarship Program for Master's Degree Seeking Students in Engineering	33	\$52,171	\$0	\$52,171
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,856	\$4,399	\$13,255
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$1,103	\$0	\$1,103
Singler, Dr. Timothy J	Multiple Sponsors	Unrestricted Research Support - Kurt lesker	100	\$3,936	\$787	\$4,723

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Singler, Dr. Timothy J	National Science Foundation	Inkjet-Electrospray Hybrid Printing:Understanding the Processing-Structure Relationship	33	\$21,782	\$11,309	\$33,091
Towfighian, Dr. Shahrzad	National Inst of Arthritis Musculoskeletal & Skin	An implantable self-powered load sensor for total knee replacement health monitoring	100	\$29,586	\$16,568	\$46,154
Towfighian, Dr. Shahrzad	National Science Foundation	A New Approach to Capacitive Sensing: Repulsive Sensors	50	\$47,430	\$25,530	\$72,960
Towfighian, Dr. Shahrzad	National Science Foundation	A New Approach to Capacitive Sensing: Repulsive Sensors	50	\$1,000	\$0	\$1,000
Wang, Dr. Hao	Meecotech Incorporated	Unrestricted Support from Meecotech	100	\$76	\$11	\$88
Wang, Dr. Hao	Charge CCCV	Unrestricted Research Support	100	\$5,684	\$853	\$6,537
Wang, Dr. Hao	Charge CCCV	Unrestricted Research Support	100	\$753	\$113	\$866
Willing, Dr. Ryan	Force and Motion Foundation	Unrestricted Research Support	100	\$1,705	\$256	\$1,961
Willing, Dr. Ryan	National Inst of Arthritis Musculoskeletal & Skin	Multiobjective Design-Optimization of Reverse Total Shoulder Arthroplasty	100	\$43,329	\$23,333	\$66,661
Willing, Dr. Ryan	Hospital for Special Surgery	Unrestricted Support from Hospital for Special Surgery	100	\$1,242	\$186	\$1,428
Yong, Dr. Xin Frank	National Science Foundation	Inkjet-Electrospray Hybrid Printing:Understanding the Processing-Structure Relationship	34	\$22,442	\$11,651	\$34,093

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yong, Dr. Xin Frank	National Institute of Allergy & Infectious Disease	Evaluating the Bilayer-Couple Model of Outer Membrane Vesicle Biogenesis Using Novel Asymmetric Membrane Templates	33	\$24,086	\$12,747	\$36,833
Yong, Dr. Xin Frank	American Chemical Society	Mesoscale Modeling of Stimuli-Responsive Composite Colloids at Oil-Water Interfaces	100	\$36,035	\$0	\$36,035
Zhou, Dr. Guangwen	US Department of Energy	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	100	\$120,362	\$63,147	\$183,509
Zhou, Dr. Guangwen	US Department of Energy	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	100	\$13,321	\$7,593	\$20,914
Zhou, Dr. Guangwen	National Science Foundation	Collaborative Research:situ Characterization of Methanol Oxidation Catalyzed By Copper-Based Materials	100	\$17,745	\$9,511	\$27,256
Zhou, Dr. Guangwen	National Science Foundation	Collaborative Research: Investigation of Fundamental properties of Lead-Free Nanosolders for Nanoscale Assembly and Nano-Joining	100	\$7,559	\$4,082	\$11,640
Zhou, Dr. Guangwen	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	100	\$83,533	\$45,743	\$129,276
Zhou, Dr. Guangwen	Pacific Northwest National Laboratory	Materials Synthesis and Simulations Across Scales (MS3) Richland, WA, USA	100	\$26,814	\$6,731	\$33,545

Department Total: \$1,771,547

020 Pharmaceutical Sciences

Beedle, Dr. Aaron	Muscular Dystrophy Association of America	Is MTOR inhibition a valid therapy for dystroglycan muscular dystrophy	100	\$79,503	\$7,950	\$87,453
Beedle, Dr. Aaron	Muscular Dystrophy Association of America	Is MTOR inhibition a valid therapy for dystroglycan muscular dystrophy	100	\$32,607	\$3,261	\$35,867

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Beedle, Dr. Aaron	University of Georgia	Structure and Function in Alpha-Dystrglycan Glycosylation (Prime: 5R01GM11193904)	100	\$19,231	\$10,769	\$30,000
Hathout, Dr. Yetrib	Muscular Dystrophy Association of America	Development and Validation of Pharamcodynamics Biomarkers for Duchenne (MDA 353094)	100	\$22,143	\$2,214	\$24,357
Hathout, Dr. Yetrib	US Army Medical Research Acquisition Activity	Clinical Utility of Serum Protein Biomarkers in Very Young Duchenne Muscular Dystrophy Boys	100	\$40,596	\$22,734	\$63,330
Hathout, Dr. Yetrib	US Army Medical Research Acquisition Activity	Generating the Evidentiary Data Package for Dystrophin Biomarker Qualifications	100	\$44,264	\$24,788	\$69,052
Hathout, Dr. Yetrib	Childrens Research Institute	RPDP: Bridging pharmacodynamic biomarkers to clinical outcomes in pediatric inflammatory diseases- Core A 5U54HD090254-02	100	\$177,113	\$95,823	\$272,937
Hathout, Dr. Yetrib	Muscular Dystrophy Association of America	Development and Validation of Pharamcodynamics Biomarkers for Duchenne (MDA 353094)	100	\$78,919	\$7,892	\$86,811
Hathout, Dr. Yetrib	Childrens Research Institute	Development, Validation, and Implementation of Pharmacodynamic Biomarkers in Duchenne Muscular Dystrophy	100	\$47,037	\$22,981	\$70,018
Hoffman, Dr. Eric	Childrens Research Institute	RPDP: Bridging pharmacodynamics biomarkers to clinical outcomes in pediatric inflammatory diseases -Core A 1U54HD090254-01	100	\$18,721	\$10,484	\$29,205
Hoffman, Dr. Eric	Childrens Research Institute	RPDP: Bridging pharmacodynamics biomarkers to clinical outcomes in pediatric inflammatory diseases PTE Federal Award No: 5U54HD090254-02	100	\$50,001	\$28,001	\$78,002
Nagaraju, Dr. Kanneboyina	National Institute of Allergy & Infectious Disease	Virus Induced Genetic Changes in the Pathogenesis of Autoimmune Myositis	100	\$144,971	\$81,184	\$226,155
Nagaraju, Dr. Kanneboyina	Childrens Research Institute	Understanding the Mechanism and Role of Cell Membrane Repair in Miyoshi Myopathy	100	\$12,628	\$7,072	\$19,699

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Nagaraju, Dr. Kanneboyina	National Inst of Neurological Disorders & Stroke	Dystrophin turnover after exon-skipping	100	\$221,477	\$70,827	\$292,305
Nagaraju, Dr. Kanneboyina	Myositis Association	Urine Biomarkers in Juvenile Dermatomyositis	100	\$26,923	\$0	\$26,923
Nagaraju, Dr. Kanneboyina	National Institutes of Health	Preclinical drug trial in mouse models of inflammation	100	\$66,707	\$5,337	\$72,044

Department Total: \$1,484,159

020 Philosophy

Hassoun, Dr. Nicole	Saint Louis University	What is the nature of the (Minimally) good life? Templeton award 57313	100	\$33,425	\$0	\$33,425
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Department Total: \$33,425

020 Physics, Applied Physics & Astronomy

Aynajian, Dr. Pegor	National Science Foundation	CAREER: Visualizing Emergent Electronic States Near Quantum Phase Transitions	100	\$63,840	\$34,207	\$98,047
Cotts, Dr. Eric	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$40,971	\$0	\$40,971
Cotts, Dr. Eric	National Science Foundation	Scholarships and Nanofabrication Experience: Successful Transitions from Community College to Graduate School	25	\$3,682	\$2,025	\$5,707
Cotts, Dr. Eric	Universal Instruments Corporation	The Reliability of Cu Pillar Solder Joints - New Glass Interposers	100	\$137	\$36	\$173
Cotts, Dr. Eric	Indium Corporation	Development of New Pb Free Solder Alloys	100	\$139,527	\$36,277	\$175,804

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Cotts, Dr. Eric	Universal Instruments Corporation	The Reliability of Cu Pillar Solder Joints-ATC Testing and Cu Pillar Solder Joint Microstructure	100	\$4,337	\$1,128	\$5,464
Cotts, Dr. Eric	Universal Instruments Corporation	Characterizing the Properties and Reliability of New Solders	100	\$7,885	\$1,810	\$9,695
Cotts, Dr. Eric	Semiconductor Research Corporation	High Melt - Low Melt Solder Interconnect Structures for Organic Package on Package 200-300 um Pitch Enabling High Power Application with Rework	100	\$18,536	\$9,862	\$28,398
Cotts, Dr. Eric	Universal Instruments Corporation	High Melt- Low Melt Solder Interconnect Structures for SMT Applications	100	\$2,939	\$764	\$3,703
Kolmogorov, Dr. Alexey	National Science Foundation	A Machine Learning Framework for Acceleration Materials Prediction	100	\$17,145	\$8,921	\$26,066
Lee, Dr. Wei-Cheng	Georgia Institute of Technology	MURI - Cross-Disciplinary Electronic-Ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$38,978	\$17,096	\$56,073
Levy, Dr. Stephen	National Science Foundation	CAREER: DNA Transport Through Carbon Nanotubes	100	\$49,060	\$26,485	\$75,545
Margine, Dr. Elena R	National Science Foundation	S12-SSE: Expanding the Scope of Materials Modeling with Electron Phonon Wannier (EPW) Software	100	\$42,660	\$22,853	\$65,513
Margine, Dr. Elena R	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$8,856	\$4,399	\$13,255
Margine, Dr. Elena R	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$1,103	\$0	\$1,103
Mativetsky, Dr. Jeffrey	National Science Foundation	MRI: Acquisition of an Integrated Scanning Probe-Raman Microscope	20	\$783	\$431	\$1,214

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Mativetsky, Dr. Jeffrey	National Science Foundation	Ambient Processing and Patterning of Graphene Oxide Across Multiple Length Scales	100	\$42,352	\$22,796	\$65,148
Mativetsky, Dr. Jeffrey	National Science Foundation	CAREER: Charge Photogeneration and Transport in Organic Semiconductor Nanowires	100	\$46,063	\$30,519	\$76,582
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$6,491	\$3,635	\$10,125
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$5,914	\$0	\$5,914
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$5,003	\$2,802	\$7,805
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	50	\$25,085	\$0	\$25,085
Piper, Dr. Louis	National Science Foundation	DMREF: Collaborative Research: A Blueprint for Photocatalytic Water Splitting: Mapping Multidimensional Compositional Space to Simultaneously Optimize Thermodynamics and Kinetics	100	\$47,393	\$26,022	\$73,416
Piper, Dr. Louis	Research Corporation for Science Advancement	Scialog Advanced Energy Storage Award	100	\$12,879	\$0	\$12,879
Piper, Dr. Louis	Georgia Institute of Technology	MURI - Cross-Disciplinary Electronic-Ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$82,139	\$45,998	\$128,138
Piper, Dr. Louis	National Science Foundation	Disentangling the structural and electronic phase transitions in ultrathin vanadium dioxide	100	\$2,262	\$1,234	\$3,497
Piper, Dr. Louis	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	100	\$160,342	\$89,538	\$249,880

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Piper, Dr. Louis	National Renewable Energy Laboratory	Roll-To-Roll Processing Of Transparent Conductive Oxide Coatings For The Solar Energy Research Institute For India And The United States	50	\$25,005	\$13,753	\$38,758
Shim, Dr. Bonggu	National Science Foundation	Wavelength Scaling of Plasma and Spatio-Temporal Dynamics of Laser Filamentation in Solids	100	\$86,986	\$16,411	\$103,397
Shim, Dr. Bonggu	US Air Force Office of Scientific Research	Spatio-temporal visualization and control of nonlinear propagation and phase matching for high-order harmonic generation	100	\$5,402	\$3,079	\$8,481
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$2,290	\$0	\$2,290
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$4,349	\$0	\$4,349
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$1,851	\$0	\$1,851
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$1,867	\$0	\$1,867
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$2,774	\$0	\$2,774
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$675	\$0	\$675
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$3,085	\$0	\$3,085
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$4,389	\$0	\$4,389

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$803	\$0	\$803
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$4,249	\$0	\$4,249
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$999	\$0	\$999
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$4,249	\$0	\$4,249
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$2,750	\$0	\$2,750
White, Dr. Bruce E.	US Department of Education	Multidisciplinary GAANN in Smart Energy Materials	20	\$4,349	\$0	\$4,349
Yao, Ms. Lan	National Institute of General Medical Sciences	Rational Design of pH-Low Insertion Peptides for Cargo Delivery	30	\$4,514	\$2,528	\$7,042

Department Total: \$1,461,556

020 Political Science

Clark, Dr. David	Leidos	Mass Mobilization Data Project	100	\$2,695	\$1,536	\$4,230
Clark, Dr. David	Leidos	Mass Mobilization Data Project	100	\$5,700	\$3,192	\$8,892
Laremont, Dr. Ricardo R	Georgetown University School of Foreign Service in Qatar	Mobility, Displacement, and Forced Migration in Libya and Tunisia 2017-2018	50	\$9,309	\$0	\$9,309

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Weintraub, Mr. Michael	National Science Foundation	Explaining Civilian Support for Political and Criminal Armed Groups	100	\$44,133	\$20,686	\$64,819
Weintraub, Mr. Michael	Research Foundation of City University of New York	Regional Training Academy	100	\$48,289	\$12,555	\$60,844
Department Total:				\$148,094		
020 Psychology						
Bishop, Dr. Christopher	Melior Pharmaceuticals Incorporated	Testing Agreement	100	\$670	\$369	\$1,039
Bishop, Dr. Christopher	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$128,588	\$0	\$128,588
Cameron, Dr. Nicole M	National Institute for Alcohol Abuse & Alcoholism	Transgenerational effect of gestational ethanol exposure	100	\$98,818	\$41,240	\$140,058
Coles, Dr. Meredith	Multiple Sponsors	Income from Services of Binghamton Anxiety Clinic	100	\$5,367	\$805	\$6,172
Coles, Dr. Meredith	SiMmersion	Simulated Clinician Assessment for Cognitive Behavioral Therapy Skills R01MH112625	33	\$678	\$379	\$1,057
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$110,128	\$61,671	\$171,799
Deak, Dr. Terrence	National Institute on Aging	Neuroinflammation and Social Behavior Across the Lifespan (Years2-5)	90	\$316,261	\$139,636	\$455,897
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$55,964	\$31,340	\$87,304

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$38,822	\$3,106	\$41,927
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$3,972	\$0	\$3,972
Di Lorenzo, Dr. Patricia M	National Institute of General Medical Sciences	SUNY Upstate Bridges to the Baccalaureate Program	50	\$79,147	\$6,201	\$85,348
Di Lorenzo, Dr. Patricia M	National Institute of General Medical Sciences	SUNY Upstate Bridges to the Baccalaureate Program	50	\$24,750	\$1,980	\$26,730
Di Lorenzo, Dr. Patricia M	University of Georgia	Vagal Influence on Brainstem Plasticity and Nueral Coding of Taste	100	\$158,294	\$68,117	\$226,411
Di Lorenzo, Dr. Patricia M	National Inst on Deafness & Other Comm Disorders	Temporal Coding in the Gustatory System of the Brain	100	\$322,725	\$163,985	\$486,710
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$9,186	\$5,144	\$14,331
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Role of BLA kappa opioid receptors in adolescent anxiety and ethanol consumption	100	\$40,132	\$22,474	\$62,605
Gerhardstein, Dr. Peter C	National Science Foundation	Collaborative Research: Transfer of Learning from Touchscreens During Early Childhood	100	\$6,621	\$3,509	\$10,130
Gibb, Dr. Brandon E	ARK Psychology LLC	2017 Clinical Placement	100	\$3,376	\$0	\$3,376
Gibb, Dr. Brandon E	Childrens Home of Wyoming Conference	Clinical Psychology Community Practicum Trainee Program: 2017-2018 Clinical Placements	100	\$39,819	\$0	\$39,819

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Gibb, Dr. Brandon E	National Institute of Mental Health	A fine grained EEG/ERP examination of reward processing in suicide attempters	100	\$6,428	\$0	\$6,428
Gibb, Dr. Brandon E	Ithaca Psychological Testing	2017 Clinical Placement	100	\$15,452	\$0	\$15,452
Gibb, Dr. Brandon E	National Institute of Mental Health	Children's Attentional Biases: A Key Component of Negative Valence Systems	100	\$1,090	\$0	\$1,090
Gibb, Dr. Brandon E	National Institute of Mental Health	A fine grained EEG/ERP examination of reward processing in suicide attempters	100	\$22,690	\$0	\$22,690
Gillis Mattson, Ms. Jennifer M	NYS Education Department	CARD Albany and Regional Center(s) for Autism Spectrum Disorders	100	\$18,449	\$1,476	\$19,924
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$24,256	\$13,583	\$37,840
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$8,909	\$4,989	\$13,897
Jentsch, Dr. James David	Jackson Laboratory	2018-2019 Center for Systems Neurogenetics of Addiction	100	\$19,789	\$11,082	\$30,871
Jentsch, Dr. James David	Regents of the University of California Los Angeles	Genetic pathways for impulsivity and drug reinforcement: DNA and transcriptome variations in mice Federal Award 1U01DA041602-01A1	100	\$101,962	\$52,068	\$154,030
Jentsch, Dr. James David	Board of Trustees of the Leland Stanford Junior University	Computational Methods for Identification of Genetic Factors Affecting the Response to Drug Abuse (U01DA044399)	100	\$6,614	\$3,704	\$10,318
Jentsch, Dr. James David	Jackson Laboratory	2017-2018 Center for Systems Neurogenetics of Addiction	100	\$172,779	\$96,756	\$269,536

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$38,822	\$3,106	\$41,927
Jentsch, Dr. James David	National Institute on Drug Abuse	Genetic influences on inhibitory control and cocaine sensitivity	100	\$57,798	\$31,789	\$89,587
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$3,972	\$0	\$3,972
Laszlo, Dr. Sarah	National Science Foundation	TWC SBE: Small: Collaborative Brain Password: Exploring A Psychophysiological Approach for Secure User Authentication	50	\$12,153	\$6,430	\$18,583
Laszlo, Dr. Sarah	National Science Foundation	TWC SBE: Small: Collaborative Brain Password: Exploring A Psychophysiological Approach for Secure User Authentication	50	\$5,614	\$0	\$5,614
Laszlo, Dr. Sarah	National Science Foundation	CAREER:Neural-Computational Analysis of Reading(and Reading Impairment) in Individuals	100	\$1,020	\$561	\$1,581
Laszlo, Dr. Sarah	National Science Foundation	TWC SBE: Medium Collaborative: Brain Hacking: Assessing Psychological and Computational Vulnerabilities in Brain-based Biometrics	50	\$63,376	\$34,602	\$97,978
Laszlo, Dr. Sarah	National Science Foundation	TWC SBE: Medium Collaborative: Brain Hacking: Assessing Psychological and Computational Vulnerabilities in Brain-based Biometrics	50	\$5,614	\$0	\$5,614
Ma, Dr. Yaoying	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$18,916	\$10,593	\$29,509
Ma, Dr. Yaoying	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$13,880	\$7,773	\$21,653
Ma, Dr. Yaoying	Brain and Behavior Research Foundation	2016 NARSAD Young Investigators Grant- High Risk Drug Addiction after Prenatal Alcohol Exposure: Role of Synaptic Reorganization	100	\$33,533	\$0	\$33,533

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ma, Dr. Yaoying	National Institute for Alcohol Abuse & Alcoholism	Synaptic Adaptations Induced by Prenatal Alcohol Exposure	100	\$194,480	\$67,459	\$261,939
Ma, Dr. Yaoying	National Institute for Alcohol Abuse & Alcoholism	Synaptic Adaptations Induced by Prenatal Alcohol Exposure	100	\$43,227	\$24,639	\$67,867
Mattson, Ms. Jennifer	NYS Education Department	CARD Albany and NYS Regional Center(s) for Autism Spectrum Disorders	100	\$14,303	\$1,144	\$15,447
Miskovic, Dr. Vladimir	National Institute of Mental Health	The Impact of Anxiety on Neurobehavioral Correlates of Conditioned Fear Generalization	100	\$43,224	\$23,773	\$66,997
Romanczyk, Dr. Raymond	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2016-2017	100	\$127,813	\$19,172	\$146,984
Romanczyk, Dr. Raymond	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2016-2017	100	(\$1,400)	(\$210)	(\$1,610)
Romanczyk, Dr. Raymond	Multiple Sponsors	Children's Unit for Treatment and Evaluation	100	\$2,538,619	\$380,793	\$2,919,411
Romanczyk, Dr. Raymond	Multiple Sponsors	Council on Autism Services Conference	100	\$5,969	\$597	\$6,565
Romanczyk, Dr. Raymond	Multiple Sponsors	Support of the ICD Infrastructure	100	\$9,780	\$1,467	\$11,247
Romanczyk, Dr. Raymond	Multiple Sponsors	Children's Unit Special Programs/ Institute for Child Development	100	\$14,983	\$2,248	\$17,231
Romanczyk, Dr. Raymond	Multiple Sponsors	School District Income for SEDCAR/IDEA Funding	100	\$22,519	\$1,459	\$23,978

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$38,822	\$3,106	\$41,927
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$8,617	\$3,678	\$12,295
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$3,972	\$0	\$3,972
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$8,080	\$4,525	\$12,605
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$14,180	\$7,941	\$22,120
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Cortical Biobehavioral Disruption after Thiamine Deficiency and Chronic Alcohol (Years2-5)	100	\$1,171	\$644	\$1,814
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Cortical Biobehavioral Disruption after Thiamine Deficiency and Chronic Alcohol (Years2-5)	100	\$251,664	\$136,034	\$387,697
Savage, Dr. Lisa M	National Institute of General Medical Sciences	SUNY Upstate Bridges to the Baccalaureate Program	50	\$24,750	\$1,980	\$26,730
Savage, Dr. Lisa M	National Institute of General Medical Sciences	SUNY Upstate Bridges to the Baccalaureate Program	50	\$79,147	\$6,201	\$85,348
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Cortical Biobehavioral Disruption after Thiamine Deficiency and Chronic Alcohol (Years2-5)	100	\$26,428	\$14,800	\$41,228
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$10,594	\$5,933	\$16,526

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$22,862	\$12,803	\$35,664
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol - exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	60	\$90,953	\$49,755	\$140,708
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$126,369	\$70,767	\$197,136
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$133,335	\$0	\$133,335
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$22,565	\$12,636	\$35,202
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$33,010	\$18,486	\$51,496
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$38,822	\$3,106	\$41,927
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$88,946	\$0	\$88,946
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$47,599	\$21,069	\$68,668
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol: exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	60	\$26,559	\$14,608	\$41,167
Spear, Dr. Linda	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	25	\$3,972	\$0	\$3,972

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$10,594	\$5,933	\$16,526
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center (year 8)	100	\$39,915	\$10,116	\$50,031
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol - exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	20	\$30,318	\$16,585	\$46,903
Varlinskaia, Dr. Elena I	National Institute on Aging	Neuroinflammation and Social Behavior Across the Lifespan (Years2-5)	10	\$35,140	\$15,515	\$50,655
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol: exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	20	\$8,853	\$4,869	\$13,722
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$104,262	\$41,012	\$145,274
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol: exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	20	\$8,853	\$4,869	\$13,722
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$8,617	\$3,678	\$12,295
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent alcohol - exposure timing, sex differences and neural contributors to persistent anxiety and adolescent phenotypes	20	\$30,318	\$16,585	\$46,903

Department Total: \$8,347,476

020 Public Archaeology Facility

O'Donovan, Ms. Maria	Multiple Sponsors	Journal for the Council of Northeast Historical Archaeology	100	\$380	\$57	\$437
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<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Versaggi, Dr. Nina M	Binghamton Urban Renewal Agency	Phase 3 Data Recovery Plan Development, 7 Hawley Street Development, City of Binghamton, Broome County NY	100	\$1,729	\$259	\$1,989
Versaggi, Dr. Nina M	Lamont Engineers	Sidney Water System Improvement Project (16PR03281), (PA-02-NY-17=659-PW-4842) Phase 1 Archaeological Survey and Phase 1A Archaeological Assessment, Phase 1B Archaeological Survey for Phase 3 Well and Waterline from Well to CR 35	100	\$2,174	\$326	\$2,500
Versaggi, Dr. Nina M	Shumaker Consulting Engineering&Land Surveying PC	Phase 1 CRS & Architectural Survey PIN 6754.12 Route 13 Connector Road, Town of Horseheads, Chemung County, NY	100	\$10,181	\$1,527	\$11,708
Versaggi, Dr. Nina M	Barton and Loguidice DPC	Construction Inspection and Construction Management Services on Front Street Gateway, PIN 9753.16	100	\$4,099	\$615	\$4,714
Versaggi, Dr. Nina M	Village of Horseheads	Community Outreach Pamphlet, Horseheads Waterline Project, Horseheads, Chemung County, NY	100	\$1,014	\$152	\$1,166
Versaggi, Dr. Nina M	Calocerinos Engineering PLLC	Phase 1 Archaeological Survey, Meyer Manor Apartments Project, Village of Liverpool, Onondaga County, NY	100	\$4,276	\$641	\$4,917
Versaggi, Dr. Nina M	Broome County Department of Public Works	Phase 1 Archaeological Survey, Otsiningo Park Stage Project, Broome County, NY	100	\$2,152	\$323	\$2,475
Versaggi, Dr. Nina M	McFarland and Johnson Engineers Incorporated	Phase 1A CRA, East Greenbush Project, Town of East Greenbush, Rensselaer County NY	100	\$1,608	\$241	\$1,850
Versaggi, Dr. Nina M	C and S Engineering	Phase 1 Archaeological Survey, Ithaca Tompkins Regional Airport Solar Array Project, Town of Lansing, Tompkins County, NY	100	\$4,566	\$685	\$5,251
Versaggi, Dr. Nina M	Renovus Solar	Phase 1 Archaeological Survey, Renovus Catlin Solar Farm Project, Town of Catlin, Chemung County, NY (Option 1- Subsurface Testing)	100	\$10,074	\$1,511	\$11,585

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Versaggi, Dr. Nina M	C and S Engineering	CRS (FCC 620) Amherst St, Buffalo Project (3ERB616), Buffalo County	100	\$1,733	\$260	\$1,993
Versaggi, Dr. Nina M	C and S Engineering	CRS (FCC 620) Livingston County Emergency Communications Systems (Dansville)	100	\$1,608	\$241	\$1,850
Versaggi, Dr. Nina M	Lamont Engineers	Phase 1 Archaeological Survey, West Conesville WWTP Project, Town of Conesville, Schoharie County, NY	100	\$8,436	\$1,265	\$9,701
Versaggi, Dr. Nina M	Beardsley Design Associates	Phase 1B Archaeological Survey, Kesselring Site Perimeter Road Improvement Project (TOA-132-Item 1, Town of Milton, Saratoga County NY	100	\$728	\$109	\$837
Versaggi, Dr. Nina M	LaBella Associates	SO#17: Impact Avoidance Plan (Utility Corridor) Schoharie County Jail Project- FTC/ Berlin Site, Schoharie County, NY	100	\$1,220	\$183	\$1,403
Versaggi, Dr. Nina M	Chianis & Anderson Architects PLLC	Phase 1 Cultural Resource Survey, Coburn Free Library Project, Village of Owego, Tioga County, NY	100	\$741	\$111	\$853
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1202: WY-10 Falconero Well Pad, Archaeological and Historical Site Search, Forkston Township, Wyoming County, PA	100	\$496	\$74	\$570
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1203: TI-18 Fall Creek C Well Pad, Archaeological and Historical Site Search, Liberty Township, Tioga County, PA	100	\$498	\$75	\$572
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1198: TI-01 Mase Monte Well Pad, Archaeological and Historical Site Search, Tioga County, PA	100	\$529	\$79	\$608
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1201: TI-25 Long Run Timber A -Well Pad, Archaeological and Historical Site Search, Tioga County, PA	100	\$497	\$75	\$571
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1200: TI-24 Long Run Timber B- Pad, Archaeological and Historical Site Search, Tioga County, PA	100	\$497	\$75	\$571

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Versaggi, Dr. Nina M	LaBella Associates	Service Order #16: Phase 1 Archaeological Survey (Utility Corridor) Schoharie County Jail Project-FTC/ Berlin Site, Schoharie County, NY	100	\$12,971	\$1,946	\$14,917
Versaggi, Dr. Nina M	Rochester's Cornerstone Group, Ltd.	Phase 1 Archaeological Survey, (Subsurface survey of the entire parcel), Lansing Development Project, Town of Lansing, Tompkins County, NY	100	\$6,025	\$904	\$6,929
Versaggi, Dr. Nina M	Maser Consulting P.A.	Phase 1 CRS: Verbeck Community Solar Farm Project, Town of Schaghticoke, Rensselaer County NY	100	\$1,109	\$166	\$1,275
Versaggi, Dr. Nina M	Trileaf Corporation	CRS (FCC 620) Shisler Road (HV 1172) Project, Town of Clarence, Erie County, NY	100	\$1,934	\$290	\$2,224
Versaggi, Dr. Nina M	Town of Marshall	Phase 1 CRS, Town of Marshall Back Pit (Day Farm) Mine, Onieda County, NY	100	\$3,390	\$509	\$3,899
Versaggi, Dr. Nina M	Chazen Companies	Oxford Kutik Honey Farm Project, Phase 1B Archaeological Monitoring	100	\$840	\$126	\$966
Versaggi, Dr. Nina M	Trowbridge and Wolf	Phase 1B Archaeological Survey, Cornell North Campus Project, City of Ithaca, Tompkins County, NY	100	\$1,013	\$152	\$1,165
Versaggi, Dr. Nina M	West Wind Ag LLC	Phase 1 CRS (option 2-Surface Survey following plow/ disking of the parcel and additional STP's in woodlands, etc) West Wind Farms Project, Town of Schaghticoke, Rensselaer County, NY	100	\$12,607	\$1,891	\$14,498
Versaggi, Dr. Nina M	Trowbridge and Wolf	Phase 1A Cultural Resource Assessment, Cornell North Campus Project, City of Ithaca, Tompkins County, NY	100	\$1,464	\$220	\$1,683
Versaggi, Dr. Nina M	Hanover Engineering Associates	SW-1199: TI-23 Camp Woodhouse Well Pad, Archaeological and Historical Site Search, Tioga County, PA	100	\$497	\$75	\$571
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$36,578	\$5,487	\$42,065

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Versaggi, Dr. Nina M	Delta Engineers	Phase 1A CRA, 920-932 Bunn Hill Rd Project, Town of Vestal, NY	100	\$1,094	\$164	\$1,258
Versaggi, Dr. Nina M	C and S Engineering	CRS (FCC620) Ely Park Tower, City of Binghamton, Broome County, NY	100	\$1,058	\$159	\$1,216
Versaggi, Dr. Nina M	Bethel Woods Center for the Arts	Exploratory Excavations and Community Outreach, Woodstock Stage Grounds Project, Bethel, Sullivan County, NY	100	\$809	\$121	\$930
Versaggi, Dr. Nina M	Larson Design Group	Phase 1 Archaeological Survey, Loyalsock State Forest Flood Repairs Project, McIntyre Township, Lycoming County, PA	100	\$1,769	\$265	\$2,034
Versaggi, Dr. Nina M	Environmental Design & Research	Bluestone Wind- Change Order #1	100	\$30,037	\$4,506	\$34,543
Versaggi, Dr. Nina M	Broome County Department of Public Works	Phase 1 Archaeological Survey, Buried Electrical Line, Otsiningo Park Stage Project, Broome County, NY	100	\$1,961	\$294	\$2,255
Versaggi, Dr. Nina M	Binghamton Urban Renewal Agency	Phase 3 Data Recovery on the Binghamton Mall Site on the 7 Hawley Street Development Project, City of Binghamton, Broome County, NY	100	\$34,552	\$5,183	\$39,735
Versaggi, Dr. Nina M	C and S Engineering	Phase 1B Archaeological Survey (Greenhouse Facility Parcel), Glass Greenhouse Facility Project, Madison County, NY	100	\$14,708	\$2,206	\$16,914
Versaggi, Dr. Nina M	C and S Engineering	Phase 1B Archaeological Survey (Gas Transmission Line), Glass Greenhouse Facility Project, Madison County, NY	100	\$3,013	\$452	\$3,465
Versaggi, Dr. Nina M	Hanover Engineering Associates	Phase 1 Cultural Resource Survey, Peffer-Strong 485 Project, Sullivan Township, Tioga County, PA ER-1277-06	100	\$2,939	\$441	\$3,380
Versaggi, Dr. Nina M	West Wind Ag LLC	Phase 2 Site Examinations- Locus 1-3 of Czub Precontact Site, Town of Schaghticoke, Rensselaer County, NY	100	\$5,200	\$780	\$5,980

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Versaggi, Dr. Nina M	Renovus Solar	Phase 1B Archaeological Addendum Survey, Renovus Solar Farm Project, Town of Candor, Tioga County, NY	100	\$2,043	\$306	\$2,349
Versaggi, Dr. Nina M	F.S. Lopke Contracting Incorporated	Ayers Brink Project, Phase 3 Data Recovery- Ayers 1 site and Ayers 3 site (07PR05868)	100	\$449	\$67	\$516
Versaggi, Dr. Nina M	Environmental Design & Research	Blue Stone Wind Project 16050	100	\$3,705	\$556	\$4,261
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$1,643	\$246	\$1,889
Versaggi, Dr. Nina M	Tioga County Industrial Development Agency	Phase 1A Archaeological survey, Lounsberry Project, Town of Nichols, Tioga County, NY	100	\$3,553	\$533	\$4,086
Versaggi, Dr. Nina M	C and S Engineering	Phase 1A CRA/ Phase 1B Work Plan (Greenhouse Facility, Electrical Transmission Line and Gas Transmission Line), Project Glass Greenhouse Facility, Town of Lenox, Madison County, NY	100	\$1,043	\$156	\$1,199
Versaggi, Dr. Nina M	Village of Horseheads	Horseheads Well#4 to Well#5 Waterline Project, Horseheads, Chemung County, NY	100	\$39	\$6	\$44
Versaggi, Dr. Nina M	Town of Marshall	Phase 2 Site Exam- Marshall Gravel Precontact Site, Town of Kirkland, Oneida County, NY	100	\$4,933	\$740	\$5,673
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$7,154	\$1,073	\$8,227
Versaggi, Dr. Nina M	Sage Engineering Associates	Phase 1B Archaeological Survey, Kesselring Site Surge Suppression Transmission Line (TOA 344- Item 2) Town of Milton, Saratoga County NY	100	\$1,628	\$244	\$1,873

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Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$1,607	\$241	\$1,848
Versaggi, Dr. Nina M	NYS Education Department	2018-2019 Admin Task 1001 Binghamton Highway Project	100	\$26,468	\$3,970	\$30,438
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$4,278	\$642	\$4,920
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$3,100	\$465	\$3,565
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$15,546	\$2,332	\$17,878
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$298	\$45	\$343
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$95	\$14	\$109
Versaggi, Dr. Nina M	BBJ Group	Cultural Resource Screening (FCC 621) Philadelphia PA (PL03XC015) Section 106	100	\$2,190	\$329	\$2,519
Versaggi, Dr. Nina M	NYS Education Department	Binghamton Cultural Resources Survey Program -2018/2019	100	\$13,810	\$2,071	\$15,881
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,175	\$176	\$1,351
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,449	\$217	\$1,666

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Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$6,839	\$1,026	\$7,864
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$3,828	\$574	\$4,402
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$4,675	\$701	\$5,376
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$21,355	\$3,203	\$24,559
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$7,855	\$1,178	\$9,033
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$866	\$130	\$996
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,878	\$282	\$2,160
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,559	\$234	\$1,793
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,553	\$233	\$1,786
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,345	\$202	\$1,546
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$60,255	\$9,038	\$69,293

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Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$16,523	\$2,479	\$19,002
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,464	\$220	\$1,683
Versaggi, Dr. Nina M	Hanover Engineering Associates	Cultural Resource Services, Howard Energy Project, Liberty and Sebring Townships, Tioga County, PA, Connolly B Pipeline -- Project HEP-1001-06 and HEP-1002-06	100	\$72	\$11	\$83
Versaggi, Dr. Nina M	Multiple Sponsors	Miscellaneous Income from PAF Activities	100	\$10,099	\$1,515	\$11,614
Versaggi, Dr. Nina M	NYS Division of Homeland Security and Emergency Management Services	The NYS Early Warning Weather Detection System	100	\$2,257	\$0	\$2,257
Versaggi, Dr. Nina M	Rasmussen Gravel Products	Phase 1 Archaeological Survey (option 1- Plow and Disk Field and then Surface Survey), Rivington MIne Expansion Project, Town of Lebanon, Madison County, NY	100	\$36	\$5	\$42
Versaggi, Dr. Nina M	Sage Engineering Associates	HABS Inventory of Buildings 49 and 50 on Kesselring Site and assistance on any mitigation measures, Kesslergin Project (TOA 307, Item 2), Town of Milton, Saratoga County, New York	100	\$6,025	\$904	\$6,928
Versaggi, Dr. Nina M	Tioga County Industrial Development Agency	Phase 1: Archaeological Survey (Subsurface Survey), Lounsbery Project, Town of Nichols, Tioga County, NY	100	\$6,323	\$948	\$7,272
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$23,157	\$3,474	\$26,631
Versaggi, Dr. Nina M	Raymond W Harvey Post 703 American Legion	Fort Ann: Historic Research and Archaeological Investigations of Battle Hill Battlefield	100	\$30,155	\$4,523	\$34,678

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Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$6,984	\$1,048	\$8,032
Versaggi, Dr. Nina M	Hanover Engineering Associates	Cultural Resource Services, Howard Energy Project, Liberty and Sebring Townships, Tioga County, PA, Connolly A Pipeline - Project HEP-1001-06	100	\$106	\$16	\$122
Versaggi, Dr. Nina M	Beardsley Design Associates	Phase 1 Archaeological Survey, Kesselring Hogback Road Project (TOA 129 Item 2), Town of Millton, Saratoga County, New York	100	\$844	\$127	\$971
Versaggi, Dr. Nina M	NYS Education Department	2017-2018 Admin Task 1001 Binghamton Highway Project	100	\$126,741	\$19,011	\$145,752
Versaggi, Dr. Nina M	IEDC	WNYE Gas Pipeline Project, Orleans and Genesee Counties	100	\$2,366	\$355	\$2,721
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$100	\$15	\$115
Versaggi, Dr. Nina M	C and S Engineering	Springfield Development Project, Phase 2 Site Exam/Phase 3 Data Recovery of the Beaver Cross Site (Locus 1), Town of Springfield, Otsego County, NY	100	\$1,211	\$182	\$1,392
Versaggi, Dr. Nina M	LaBella Associates	Service Order #7: Phase 1 Archaeological Survey (FIRE TRAINING SITE), Schoharie County Jail Project, Schoharie County, NY	100	\$3,271	\$491	\$3,761
Versaggi, Dr. Nina M	Schoharie County Department of Public Works	Schoharie County DPW Main Facility Fueling Station, Schoharie, NY	100	\$2,210	\$332	\$2,542
Versaggi, Dr. Nina M	Hartgen Archeological Associates, Inc	Archaeological Metal Detecting, Saratoga National Historical Park, Town of Stillwater, Saratoga County, NY	100	\$9,373	\$1,406	\$10,779

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Versaggi, Dr. Nina M	Hanover Engineering Associates	JKLM-1004-06 Cultural Resource Services LLC YM-52 to YM-53 Interconnect Project, Homer, Summit and Sweden Townships, Potter County PA	100	\$1,661	\$249	\$1,910
Versaggi, Dr. Nina M	BBJ Group	CRS (FCC 621), Site Storage Building 3870 Lancaster Ave, Philadelphia, PA Site PL60XC021	100	\$2,237	\$336	\$2,572
Versaggi, Dr. Nina M	BBJ Group	CRS (FCC 621), Site #AL03XC014, Hedley Towers Site, City of Troy, Rensselaer County, NY	100	\$2,145	\$322	\$2,466
Versaggi, Dr. Nina M	Gladstone Commercial Corporation	Phase 1 Archaeological Survey (Option 2-Subsurface Suvery- STP Testing) Corning Warehouse Project, Town of Big Flats, Chemung County, NY	100	\$188	\$28	\$216
Versaggi, Dr. Nina M	Appel Osborne Landscape Architecture	Phase 1: CRS: North Rose-Wolcott Middle School Project, Village of Wolcott, Wayne County, NY	100	\$334	\$50	\$384
Versaggi, Dr. Nina M	Trileaf Corporation	CRS (FCC 620/621): Rew Co-Location Project, McKean County, PA	100	\$27	\$4	\$31
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$22,323	\$3,349	\$25,672
Versaggi, Dr. Nina M	Suit Kote Corporation	Archaeological Suvery (115-135 STPs and 15-20 Backhoe trenches), Polkville Mine Expansion Project, Town of Cortlandville, Cortland County, NY	100	\$77	\$12	\$88
Versaggi, Dr. Nina M	Trileaf Corporation	Cultural Resources Survey (FCC 620), Elmira Heights Project, Chemung County, NY	100	\$36	\$5	\$42
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$15,796	\$2,369	\$18,165

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Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$3,854	\$578	\$4,432
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$7,089	\$1,063	\$8,153
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$11,509	\$1,726	\$13,235
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$47,363	\$7,104	\$54,468
Versaggi, Dr. Nina M	Civil War Trust	Revolutionary War and War of 1812 Preservation Mapping Project	100	\$96,643	\$14,496	\$111,139
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,900	\$285	\$2,185
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$7,231	\$1,085	\$8,316
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$16,679	\$2,502	\$19,180
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$15,595	\$2,339	\$17,934
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$100	\$15	\$115
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$18,131	\$2,720	\$20,850

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Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$5,770	\$865	\$6,635
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$18,666	\$2,800	\$21,466
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$5,173	\$776	\$5,949
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$12,971	\$1,946	\$14,916
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$1,398	\$210	\$1,607
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$36,943	\$5,541	\$42,484
Versaggi, Dr. Nina M	NYS Education Department	Cultural Resources Survey Program	100	\$13,623	\$2,043	\$15,667

Department Total: \$1,216,125

020 Research VP

Park, Dr. Seungbae	Multiple Sponsors	Electronics Packaging Symposium 2017 and 2018	100	\$28,627	\$5,725	\$34,352
Sammakia, Dr. Bahgat G	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	50	\$1,336	\$735	\$2,071
Sammakia, Dr. Bahgat G	Ilone Grinberg	ES2 Testing Agreement- Extendable Barrier Testing	100	\$1,667	\$333	\$2,000

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Sammakia, Dr. Bahgat G	NYS Energy Research and Development Authority	Effectiveness, Efficiency, and Integrated Improvements of Warm Water Direct Liquid Cooling Systems Agreement 41201	50	\$27,618	\$15,190	\$42,808
Sammakia, Dr. Bahgat G	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	50	\$122,589	\$18,657	\$141,246

Department Total: \$222,477

020 Romance Languages

Bosworth, Ms. Yulia	Quebec Ministre	Public perception of politician language use in Quebec: at the crossroads of linguistic norm and sociolinguistic identity	100	\$1,601	\$0	\$1,601
Cope, Dr. Robyn	Quebec Ministre	Reading Multicultural Quebec Course Development Project	100	\$2,000	\$0	\$2,000

Department Total: \$3,601

020 School Of Management

Dhillon, Dr. Upinder	Multiple Sponsors	Award for School of Management Personnel Costs	100	\$52,336	\$7,850	\$60,186
Dionne, Ms. Shelley	National Science Foundation	NERCCS 2018 - First Northeast Regional Conference on Complex Systems	33	\$1,032	\$578	\$1,610
Dionne, Ms. Shelley	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$27,789	\$13,924	\$41,713
Dionne, Ms. Shelley	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$1,332	\$0	\$1,332
Dionne, Ms. Shelley	US Army Research Institute	Collective Planning and Leadership for the US Army	33	\$32,642	\$10,531	\$43,173

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Iankova, Ms. Elena	Appalachian Regional Commission	Center for International Business Advancement at Binghamton University	100	\$57,807	\$0	\$57,807
Iankova, Ms. Elena	Multiple Sponsors	Income Account for Award 78504	100	\$2,108	\$0	\$2,108
Yammarino, Dr. Francis J	Multiple Sponsors	Miscellaneous Income - Fran Yammarino	100	\$5,748	\$862	\$6,611
Yammarino, Dr. Francis J	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$27,789	\$13,924	\$41,713
Yammarino, Dr. Francis J	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$1,332	\$0	\$1,332
Yammarino, Dr. Francis J	US Army Research Institute	Collective Planning and Leadership for the US Army	33	\$32,740	\$10,563	\$43,303

Department Total: \$300,889

020 School of Nursing

Begdache, Ms. Lina A	Academy of Nutrition and Dietetics	Association Between Single Nucleotide Polymorphisms in the One Carbon Metabolism and ALS	50	\$1,528	\$0	\$1,528
Begdache, Ms. Lina A	New York State Health Foundation	The Chicago Food and Nutrition Conference	100	\$1,184	\$0	\$1,184
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (CSTEP) 2017-2018	100	\$26,252	\$2,100	\$28,352
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$21,070	\$1,686	\$22,756

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$4,415	\$353	\$4,768
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (CSTEP) 2017-2018	100	\$70,805	\$5,664	\$76,469
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (CSTEP) 2017-2018	100	\$31,072	\$2,486	\$33,558
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$9,072	\$726	\$9,797
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (CSTEP) 2017-2018	100	\$11,498	\$920	\$12,418
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$3,951	\$256	\$4,207
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science	100	\$46,965	\$3,757	\$50,722
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program (CSTEP) 2017-2018	100	\$15,355	\$235	\$15,590
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program 2016-2017	100	\$7,122	\$570	\$7,691
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program 2016-2017	100	\$7,286	\$20	\$7,305
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program 2016-2017	100	\$310	\$25	\$335

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program 2016-2017	100	\$2,375	\$190	\$2,565
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$490	\$39	\$529
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$1,826	\$146	\$1,972
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	(\$1,000)	(\$62)	(\$1,062)
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$250	\$20	\$270
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$158	\$13	\$170
Bryant, Dr. Sharon A	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$6,806	\$544	\$7,350
Bryant, Dr. Sharon A	NYS Education Department	Collegiate Science and Technology Entry Program 2016-2017	100	\$743	\$59	\$803
Fronczek, Ms. Ann	Regional Economic Development and Energy Corporation of the Southern Tier Central Region (REDEC)	Southern Tier Telemedicine and Mobile Health Research Development and Training Center	50	\$166,333	\$0	\$166,333
Fronczek, Ms. Ann	Health Resources and Services Admin	Advanced Nursing Education Workforce	33	\$10,267	\$5,133	\$15,400
Fronczek, Ms. Ann	Health Resources and Services Admin	Advanced Nursing Education Workforce	33	\$82,325	\$0	\$82,325

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Johnston, Ms. Yvonne	United Way of Broome County Inc	Evaluation Services: North Side Health Coaching Program	100	\$3,968	\$1,032	\$5,000
Johnston, Ms. Yvonne	Rural Health Network of South Central New York	South Central NY Fruit and Vegetable Prescription Program (FVRx)	100	\$10,000	\$1,500	\$11,500
Johnston, Ms. Yvonne	HealthLinkNY	Prescription to Ride Program Evaluation	100	\$25,530	\$6,638	\$32,168
Muscari, Dr. Mary	Health Resources and Services Admin	Behavioral Health Workforce Education and Training for Professionals and Paraprofessionals	100	\$117,771	\$6,913	\$124,684
Rouhana, Ms. Nicole A.	Health Resources and Services Admin	Advanced Nursing Education Workforce	34	\$10,578	\$5,289	\$15,867
Rouhana, Ms. Nicole A.	Health Resources and Services Admin	Advanced Nursing Education Workforce	34	\$84,819	\$0	\$84,819
Stewart-Fahs, Dr. Pamela S.	Health Resources and Services Admin	Advanced Nursing Education Workforce	33	\$10,267	\$5,133	\$15,400
Stewart-Fahs, Dr. Pamela S.	Health Resources and Services Admin	Advanced Nursing Education Workforce	33	\$82,325	\$0	\$82,325

Department Total: \$925,097

020 Small Business Dev Center

Layman, Ms. Rochelle	Small Business Administration	Small Business Development Center 2016/2017	100	\$13,785	\$1,654	\$15,439
Layman, Ms. Rochelle	Small Business Administration	Federal and State Technology Partnership Program (FAST)	100	\$28,072	\$3,369	\$31,441

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Layman, Ms. Rochelle	Small Business Administration	SBDC 2017/2018	100	\$199,232	\$23,908	\$223,140
Layman, Ms. Rochelle	Multiple Sponsors	Miscellaneous Income- Small Business Development Center Activities	100	\$27	\$4	\$31
Layman, Ms. Rochelle	Multiple Sponsors	Program Income Account for SBDC Training Activities Associated with federal SBA funding	100	\$0	\$60	\$60
Layman, Ms. Rochelle	Housing Trust Fund Corporation	Hurricane Sandy NYSESD Relief Program	100	\$18,977	\$2,657	\$21,634
Department Total:				\$291,745		
020 Sociology						
Laremont, Dr. Ricardo R	Georgetown University School of Foreign Service in Qatar	Mobility, Displacement, and Forced Migration in Libya and Tunisia 2017-2018	50	\$9,309	\$0	\$9,309
Lee, Dr. Richard E	Multiple Sponsors	Income for Fernand Braudel Center Activities	100	\$985	\$148	\$1,133
Department Total:				\$10,441		
020 Student Affairs V P						
Wygman, Ms. Martha S.	US Department of Education	SSS-STEM Program at Binghamton University	100	\$10,030	\$0	\$10,030
Wygman, Ms. Martha S.	US Department of Education	2018-2019 Binghamton University Upward Bound Program	100	\$12,105	\$968	\$13,074
Wygman, Ms. Martha S.	US Department of Education	Binghamton University Upward Bound Rural Program	100	\$132,108	\$10,569	\$142,677

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Wygmans, Ms. Martha S.	US Department of Education	2016-2021 Student Support Services Program	100	\$43,216	\$0	\$43,216
Wygmans, Ms. Martha S.	US Department of Education	2016-2021 Student Support Services Program	100	\$297,366	\$23,789	\$321,156
Wygmans, Ms. Martha S.	US Department of Education	2015/2017 Binghamton University Upward Bound Rural Program	100	\$84,102	\$6,728	\$90,830
Wygmans, Ms. Martha S.	US Department of Education	SSS-STEM Program at Binghamton University	100	\$200,250	\$16,020	\$216,270
Wygmans, Ms. Martha S.	US Department of Education	2015/2016 Binghamton University Upward Bound Program	100	\$41,547	\$0	\$41,547
Wygmans, Ms. Martha S.	US Department of Education	2015/2016 Binghamton University Upward Bound Program	100	\$343,303	\$27,464	\$370,767
Wygmans, Ms. Martha S.	US Department of Education	2015/2017 Binghamton University Upward Bound Rural Program	100	\$19,946	\$0	\$19,946

Department Total: \$1,269,513

020 Systems Science and Indust Eng (SSIE)

Cheng, Mr. Changqing	National Science Foundation	NERCCS 2018 - First Northeast Regional Conference on Complex Systems	33	\$1,032	\$578	\$1,610
Chung, Dr. Sunghoon	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	50	\$6,229	\$1,620	\$7,849
Chung, Dr. Sunghoon	Bennett Distribution Services Limited Liability Corporation	Transportation Management System (TMS) Implementation and Optimization for Sequential Loads	33	\$4,476	\$1,084	\$5,560

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Chung, Dr. Sunghoon	Materials Handling Industry	MHI and CICMHE Research Funding Program Start-up Grant	100	\$7,355	\$0	\$7,355
Chung, Dr. Sunghoon	Toyota Material Handling North America	Applying Location Based Informatics, Simulation and Optimization Methods to Forklift Driver Behavior, Congestion, and Wireless Charging Studies	50	\$58,916	\$21,279	\$80,195
Chung, Dr. Sunghoon	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	25	\$3,994	\$1,038	\$5,032
Chung, Dr. Sunghoon	Research Foundation of City University of New York	Adaptive Vehicle Routing for Evacuation under Uncertainty	100	\$7,701	\$4,313	\$12,014
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Research and Development for Complex Surface Mount Devices	50	\$4,209	\$1,094	\$5,304
Greene, Dr. Christopher M	Lockheed Martin Corporation	Unrestricted Research Support from Lockheed Martin to Investigate Additive Manufacturing Utilized in Electronics Mfg; Capability and Application Projects:	100	\$8,966	\$5,021	\$13,987
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Process Research and Development for Complex Surface Mount Device Assemblies	50	\$12,429	\$3,111	\$15,540
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	System Development and Process Analysis to Enhance Contact Center Operations Amendment 14	50	\$26,105	\$4,976	\$31,080
Khasawneh, Dr. Mohammad	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	25	\$3,994	\$1,038	\$5,032
Khasawneh, Dr. Mohammad	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care	50	\$7,792	\$1,246	\$9,038

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Khasawneh, Dr. Mohammad	Cooper University Health Care	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (Amendment #4: Agreement #15010071)	50	\$7,377	\$1,798	\$9,174
Khasawneh, Dr. Mohammad	LiveOnNY	Qualitative Analysis of Psychosocial Factors linked to Authorization for the Donation of Vascularized Composit Allografts	100	\$48,728	\$10,869	\$59,597
Khasawneh, Dr. Mohammad	EwingCole	Healthcare Design Research and Development for Operational Efficiency and Value Creation	50	\$5,229	\$1,239	\$6,468
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and outpatient Medication Management - Amend. 1	50	\$44,551	\$9,110	\$53,661
Khasawneh, Dr. Mohammad	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	25	\$3,114	\$810	\$3,924
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement at UHSH	50	\$76,572	\$17,267	\$93,839
Khasawneh, Dr. Mohammad	Navicent Health	Continuous Process Improvement of Efficiency and Effectiveness in Healthcare Delivery at Navicent Health	50	\$52,942	\$10,404	\$63,346
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement at UHS	50	\$28,192	\$7,330	\$35,522
Khasawneh, Dr. Mohammad	LiveOnNY	Performance Improvement of Clinical Practices & Operations Research	34	\$16,285	\$3,441	\$19,725
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems (CMO) Amendments 12, 16	50	\$32,213	\$8,015	\$40,228
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow	50	\$12,310	\$3,201	\$15,510

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Improving the Efficiency and Effectiveness of Healthcare Delivery Amendments 10, 13 and 15, 17	50	\$31,804	\$7,489	\$39,293
Khasawneh, Dr. Mohammad	Regional Economic Development and Energy Corporation of the Southern Tier Central Region (REDEC)	Southern Tier Telemedicine and Mobile Health Research Development and Training Center	50	\$166,333	\$0	\$166,333
Khasawneh, Dr. Mohammad	Cooper University Health Care	Redesign of core processes and workflows to facilitate the implementation of a customer relationship management system	50	\$13,942	\$2,715	\$16,657
Khasawneh, Dr. Mohammad	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care	50	\$12,467	\$2,501	\$14,968
Lam, Dr. Sarah	IBM Corporation	Business Intelligence and Analytics for Server Manufacturing	50	\$12,747	\$3,194	\$15,941
Lam, Dr. Sarah	Zebra Technologies Enterprise Corporation	Development and Evaluation of Algorithms to Optimize Operational Efficiency at Carrier Facilities	50	\$27,390	\$6,221	\$33,611
Lam, Dr. Sarah	IBM Corporation	Business Intelligence and Analytics for Server Manufacturing	50	\$13,464	\$2,600	\$16,065
Lam, Dr. Sarah	Zebra Technologies Enterprise Corporation	Modeling Trailer Load Metrics and Development of Algorithms to Optimize Efficiency at Carrier Facilities	50	\$19,483	\$4,045	\$23,528
Nagarur, Dr. Nagen	Sanmina Corporation	Quality Engineering Research in Electronics Manufacturing	50	\$4,977	\$1,294	\$6,271
Nagarur, Dr. Nagen	Jabil Circuit Incorporated	Medical/ Diagnostic Devices and Enterprise Systems PO 4100871142, PO 4100940494, PO 410121502	50	\$11,228	\$2,139	\$13,368
Nagarur, Dr. Nagen	SMTC Manufacturing Corporation	Research in Electronics Packaging Assembly and Manufacturing	50	(\$7,393)	(\$1,334)	(\$8,726)

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Nagarur, Dr. Nagen	Sanmina Corporation	Quality Engineering Research In Electronics Manufacturing	50	\$22,789	\$3,585	\$26,374
Poliks, Dr. Mark D	Analog Devices	Critical materials, surfaces, and interfaces for advanced packaging	100	\$33,678	\$14,981	\$48,659
Poliks, Dr. Mark D	Analog Devices	Manufacturing Process Optimization for Critical Device Packages	100	\$13,363	\$7,028	\$20,391
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex- AFRL Flexible Hybrid Electronics Phase 0 Foundational Engineering Problem	100	\$9,060	\$5,164	\$14,225
Poliks, Dr. Mark D	Empire State Development Corp	ESD Funded- AFRL Flexible Hybrid Electronics Phase 0 Foundational Engineering Problem	100	\$9,060	\$5,164	\$14,224
Santos, Dr. Daryl L	Analog Devices	Process Improvement in Packaging and Manufacturing of Microwave Electronics	50	\$7,393	\$1,334	\$8,726
Santos, Dr. Daryl L	Analog Devices	System in Package (SiP) Assembly Engineering Research and Development PO 45572734, 45631054	50	\$24,369	\$5,316	\$29,685
Sayama, Dr. Hiroki	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$27,797	\$13,928	\$41,725
Sayama, Dr. Hiroki	University of Georgia	Modeling Anhedonia in Schizophrenia: A Stochastic Dynamical Systems Approach 1R21MH112925-01	100	\$37,705	\$20,079	\$57,784
Sayama, Dr. Hiroki	National Science Foundation	NERCCS 2018 - First Northeast Regional Conference on Complex Systems	33	\$1,035	\$580	\$1,615
Sayama, Dr. Hiroki	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33	\$1,333	\$0	\$1,333

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sayama, Dr. Hiroki	US Army Research Institute	Collective Planning and Leadership for the US Army	33	\$32,642	\$10,531	\$43,173
Sayama, Dr. Hiroki	National Science Foundation	RI:Small: BCSP Robustness and Adaptation in Morphogenetic Collective Systems	100	\$2,448	\$1,346	\$3,795
Sayama, Dr. Hiroki	Foundation of SUNY at Binghamton	Lois DeFleur Award to CoCo Research Group	100	\$6,173	\$0	\$6,173
Sayama, Dr. Hiroki	National Science Foundation	RI:Small: BCSP Robustness and Adaptation in Morphogenetic Collective Systems	100	\$3,959	\$0	\$3,959
Sayama, Dr. Hiroki	US Army Research Office	Workshop Support: Network Science	100	\$17,077	\$0	\$17,077
Srihari, Dr. Krishnaswa	Innovation Associates	Study of Pharmacy Simulation, Data Analytics, Optimization, and Reliability	50	\$60,637	\$11,969	\$72,606
Srihari, Dr. Krishnaswa	Sanmina Corporation	Quality Engineering Research In Electronics Manufacturing	50	\$22,789	\$3,585	\$26,374
Srihari, Dr. Krishnaswa	Smart Modular Technologies Inc	Quality Engineering Research and Development for Complex Surface Mount Device Assemblies	100	\$50,591	\$11,113	\$61,704
Srihari, Dr. Krishnaswa	Smart Modular Technologies Inc	Process Research and Development for Complex Surface Mount Device Assemblies	50	\$12,429	\$3,111	\$15,540
Srihari, Dr. Krishnaswa	Raymond Corporation	Streamlining Logistics Network and Transportation Processes	50	\$18,050	\$3,793	\$21,843
Srihari, Dr. Krishnaswa	Jabil Circuit Incorporated	Medical/ Diagnostic Devices and Enterprise Systems PO 4100871142, PO 4100940494, PO 410121502	50	\$11,228	\$2,139	\$13,368

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswa	Zebra Technologies Enterprise Corporation	Modeling Trailer Load Metrics and Development of Algorithms to Optimize Efficiency at Carrier Facilities	50	\$19,483	\$4,045	\$23,528
Srihari, Dr. Krishnaswa	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	25	\$3,114	\$810	\$3,924
Srihari, Dr. Krishnaswa	General Electric Global Research	Thermal Management in High Power LED Packages Amendment Two	100	\$13,830	\$4,385	\$18,215
Srihari, Dr. Krishnaswa	General Electric Global Research	Research in Radio Frequency and Power Packaging Technologies	100	\$15,471	\$2,462	\$17,933
Srihari, Dr. Krishnaswa	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement at UHSH	50	\$76,572	\$17,267	\$93,839
Srihari, Dr. Krishnaswa	Analog Devices General Trias Incorporated	Dispatching Process Automation and Demand Signal Analysis in Semiconductor Manufacturing (ADGT Philippines)	50	\$4,364	\$2,400	\$6,764
Srihari, Dr. Krishnaswa	IBM Corporation	Business Intelligence and Analytics for Server Manufacturing	50	\$12,747	\$3,194	\$15,941
Srihari, Dr. Krishnaswa	EwingCole	Healthcare Design Research and Development for Operational Efficiency and Value Creation	50	\$5,229	\$1,239	\$6,468
Srihari, Dr. Krishnaswa	Cooper University Health Care	Redesign of Care Processes and Workflows to Facilitate the Implementation of a Customer Relationship Management System (Amendment #4: Agreement #15010071)	50	\$7,377	\$1,798	\$9,174
Srihari, Dr. Krishnaswa	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care	50	\$7,792	\$1,246	\$9,038
Srihari, Dr. Krishnaswa	Sanmina Corporation	Quality Engineering Research in Electronics Manufacturing	50	\$4,977	\$1,294	\$6,271

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswa	Innovation Associates	Enhancement of Symphony Pharmacy Workflow System to Support Net Framework	50	\$7,934	\$2,063	\$9,996
Srihari, Dr. Krishnaswa	Smart Modular Technologies Inc	Research and Development for Complex Surface Mount Devices	50	\$4,209	\$1,094	\$5,304
Srihari, Dr. Krishnaswa	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and outpatient Medication Management - Amend. 1	50	\$44,551	\$9,110	\$53,661
Srihari, Dr. Krishnaswa	Montefiore Hospital and Medical Center	System Development and Process Analysis to Enhance Contact Center Operations Amendment 14	50	\$26,105	\$4,976	\$31,080
Srihari, Dr. Krishnaswa	LiveOnNY	Performance Improvement of Clinical Practices & Operations Research	33	\$15,806	\$3,339	\$19,145
Srihari, Dr. Krishnaswa	Innovation Associates	Migrating Forms of Symphony Pharmacy Workflow System to .Net Platform (including Amendment One)	50	\$24,206	\$4,734	\$28,940
Srihari, Dr. Krishnaswa	Bennett Distribution Services Limited Liability Corporation	Transportation Management System (TMS) Implementation and Optimization for Sequential Loads	33	\$4,490	\$1,087	\$5,576
Srihari, Dr. Krishnaswa	Analog Devices	Process Improvement in Packaging and Manufacturing of Microwave Electronics	50	\$7,393	\$1,334	\$8,726
Srihari, Dr. Krishnaswa	Analog Devices	System in Package (SiP) Assembly Engineering Research and Development PO 45572734, 45631054	50	\$24,369	\$5,316	\$29,685
Srihari, Dr. Krishnaswa	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow	50	\$12,310	\$3,201	\$15,510
Srihari, Dr. Krishnaswa	SMTC Manufacturing Corporation	Research in Electronics Packaging Assembly and Manufacturing	50	(\$7,393)	(\$1,334)	(\$8,726)

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswa	Laufer Group International Limited	Review and Re-Engineering of Operations at Laufer Group International	50	\$7,988	\$2,077	\$10,064
Srihari, Dr. Krishnaswa	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems (CMO) Amendments 12, 16	50	\$32,213	\$8,015	\$40,228
Srihari, Dr. Krishnaswa	Christiana Care Health Services Incorporated	Organizational Excellence Support at Christiana Care	50	\$12,467	\$2,501	\$14,968
Srihari, Dr. Krishnaswa	Zebra Technologies Enterprise Corporation	Development and Evaluation of Algorithms to Optimize Operational Efficiency at Carrier Facilities	50	\$27,390	\$6,221	\$33,611
Srihari, Dr. Krishnaswa	United Health Services Hospitals Incorporated	Business Intelligence and Performance Improvement at UHS	50	\$28,192	\$7,330	\$35,522
Srihari, Dr. Krishnaswa	Navicent Health	Continuous Process Improvement of Efficiency and Effectiveness in Healthcare Delivery at Navicent Health	50	\$52,942	\$10,404	\$63,346
Srihari, Dr. Krishnaswa	Analog Devices General Trias Incorporated	Dispatching Optimization and Demand Signal Analysis in Semiconductor Testing	50	\$9,864	\$5,171	\$15,034
Srihari, Dr. Krishnaswa	IBM Corporation	Business Intelligence and Analytics for Server Manufacturing	50	\$13,464	\$2,600	\$16,065
Srihari, Dr. Krishnaswa	Cooper University Health Care	Redesign of core processes and workflows to facilitate the implementation of a customer relationship management system	50	\$13,942	\$2,715	\$16,657
Srihari, Dr. Krishnaswa	Raymond Corporation	Raymond Logistics Network Support and Optimization	50	\$5,870	\$1,526	\$7,396
Yoon, Dr. Sangwon	LiveOnNY	Performance Improvement of Clinical Practices & Operations Research	33	\$15,806	\$3,339	\$19,145

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Yoon, Dr. Sangwon	Innovation Associates	Study of Pharmacy Simulation, Data Analytics, Optimization, and Reliability	50	\$60,637	\$11,969	\$72,606
Yoon, Dr. Sangwon	Analog Devices General Trias Incorporated	Dispatching Process Automation and Demand Signal Analysis in Semiconductor Manufacturing (ADGT Philippines)	50	\$4,364	\$2,400	\$6,764
Yoon, Dr. Sangwon	Innovation Associates	Enhancement of Symphony Pharmacy Workflow System to Support Net Framework	50	\$7,934	\$2,063	\$9,996
Yoon, Dr. Sangwon	Raymond Corporation	Streamlining Logistics Network and Transportation Processes	50	\$18,050	\$3,793	\$21,843
Yoon, Dr. Sangwon	Toyota Material Handling North America	Applying Location Based Informatics, Simulation and Optimization Methods to Forklift Driver Behavior, Congestion, and Wireless Charging Studies	50	\$58,916	\$21,279	\$80,195
Yoon, Dr. Sangwon	Raymond Corporation	Raymond Logistics Network Support and Optimization	50	\$5,870	\$1,526	\$7,396
Yoon, Dr. Sangwon	Innovation Associates	Migrating Forms of Symphony Pharmacy Workflow System to .Net Platform (including Amendment One)	50	\$24,206	\$4,734	\$28,940
Yoon, Dr. Sangwon	Bennett Distribution Services Limited Liability Corporation	Transportation Management System (TMS) Implementation and Optimization for Sequential Loads	33	\$4,476	\$1,084	\$5,560
Yoon, Dr. Sangwon	Analog Devices General Trias Incorporated	Dispatching Optimization and Demand Signal Analysis in Semiconductor Testing	50	\$9,864	\$5,171	\$15,034
Department Total:				\$2,418,614		

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Bay, Dr. John S.	National Institute of Standards and Technology	FY 2017 Summer Undergraduate Research Fellowship PML-EE	100	\$3,000	\$0	\$3,000
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<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Borgesen, Mr. Peter	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$3,951	\$256	\$4,207
Borgesen, Mr. Peter	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$4,415	\$353	\$4,768
Borgesen, Mr. Peter	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$21,070	\$1,686	\$22,756
Borgesen, Mr. Peter	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$9,072	\$726	\$9,797
Borgesen, Mr. Peter	NYS Education Department	Science and Technology Entry Program (STEP) 2017-2018	50	\$6,806	\$544	\$7,350
Ghose, Dr. Kanad	Future Facilities Incorporated	Future Facilities ES2 Membership	50	\$9,974	\$997	\$10,971
Ghose, Dr. Kanad	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$11,694	\$1,169	\$12,864
Ghose, Dr. Kanad	Futurewei Technologies	Futurewei Membership Agreement I/UCRC	50	\$33,751	\$3,375	\$37,126
Ghose, Dr. Kanad	University of Texas at Arlington	Phase II IUCRC University of Texas at Arlington Center for Energy Smart Electronic Systems - UTA NSF Award 1738811	50	\$6,972	\$3,904	\$10,876
Ghose, Dr. Kanad	Callsign Incorporated	ES2 Membership-Callsign Inc.	34	\$1	\$0	\$1
Ghose, Dr. Kanad	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$26,880	\$14,276	\$41,156

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Ghose, Dr. Kanad	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$6,972	\$3,904	\$10,876
Ghose, Dr. Kanad	Future Facilities Incorporated	Future Facilities ES2 Membership	50	\$10,687	\$1,069	\$11,756
Ghose, Dr. Kanad	Xilinx	ES2 Membership Agreement	50	\$15,937	\$1,594	\$17,530
Ghose, Dr. Kanad	7x24 Exchange International	Support of the Center for Energy-Smart Electronic Systems (ES2)	100	\$20	\$2	\$22
Ghose, Dr. Kanad	Panduit Corporation	Panduit's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	50	\$23,063	\$2,306	\$25,369
Ghose, Dr. Kanad	Bloomberg LP	Bloomberg's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	50	\$22,851	\$2,285	\$25,136
Ghose, Dr. Kanad	Corning Incorporated	Corning's Membership in the I/UCRC for Energy-Smart Electronic Systems	50	\$5,550	\$555	\$6,106
Ghose, Dr. Kanad	NYS Energy Research and Development Authority	NYSERDA's membership in the I/UCRC for Energy-Smart Electronics Systems	100	\$16,248	\$3,250	\$19,498
Keesler, Ms. Janet	Iberdrola USA Foundation	Watson School Capstone Senior Capstone Design Experience	100	\$28,454	\$0	\$28,454
Kent, Ms. Shanise N.	National Science Foundation	2015-2018 SUNY LSAMP Bridge to the Doctorate at Binghamton University	100	\$305,135	\$0	\$305,135
Kent, Ms. Shanise N.	National Science Foundation	The State University of New York (SUNY) LSAMP: Meeting the Grand Challenge of Preparing Students for Successful Transition into STEM Majors and Beyond	100	\$71,635	\$0	\$71,635

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Kent, Ms. Shanise N.	National Science Foundation	The State University of New York (SUNY) LSAMP: Meeting the Grand Challenge of Preparing Students for Successful Transition into STEM Majors and Beyond	100	\$28,499	\$10,979	\$39,478
Kent, Ms. Shanise N.	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$490	\$39	\$529
Kent, Ms. Shanise N.	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$1,826	\$146	\$1,972
Kent, Ms. Shanise N.	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	(\$1,000)	(\$62)	(\$1,062)
Kent, Ms. Shanise N.	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$158	\$13	\$170
Kent, Ms. Shanise N.	NYS Education Department	Science and Technology Entry Program (STEP) 2016-2017	50	\$250	\$20	\$270
Murray, Dr. Bruce T	Future Facilities Incorporated	Future Facilities ES2 Membership	25	\$5,344	\$534	\$5,878
Murray, Dr. Bruce T	Corning Incorporated	Corning's Membership in the I/UCRC for Energy-Smart Electronic Systems	25	\$2,775	\$278	\$3,053
Murray, Dr. Bruce T	Panduit Corporation	Panduit's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	25	\$11,532	\$1,153	\$12,685
Murray, Dr. Bruce T	Bloomberg LP	Bloomberg's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	25	\$11,426	\$1,142	\$12,568
Murray, Dr. Bruce T	Xilinx	ES2 Membership Agreement	25	\$7,968	\$797	\$8,765

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Murray, Dr. Bruce T	Future Facilities Incorporated	Future Facilities ES2 Membership	25	\$4,987	\$499	\$5,486
Park, Dr. Seungbae	Universal Instruments Corporation	Universal Instruments Annual Participating Membership IEEC	100	\$1,793	\$359	\$2,151
Park, Dr. Seungbae	Koh Young Technology Incorporated	Koh Young Technology's Support of the IEEC 2017-2018	100	\$27,615	\$5,523	\$33,138
Park, Dr. Seungbae	Lockheed Martin Systems Integration Company	Lockheed Martin's Membership is the IEEC, 2017	100	\$50,000	\$10,000	\$60,000
Park, Dr. Seungbae	Universal Instruments Corporation	IEEC Annual Membership Participation Fee	100	\$2,500	\$500	\$3,000
Park, Dr. Seungbae	Unison Industries LLC	Unison Participating Membership 2017-2018, 2018-2019	100	\$4,999	\$1,000	\$5,999
Park, Dr. Seungbae	Xilinx	IEEC Center Membership Agreement	100	\$80,506	\$16,101	\$96,607
Park, Dr. Seungbae	Amphenol Aerospace Operations	Amphenol Aerospace IEEC Membership 2017-2018	100	\$2,486	\$497	\$2,983
Park, Dr. Seungbae	Custom Electronics Incorporated	Custom Electronics IEEC 2017 Membership	100	\$2,500	\$500	\$3,000
Park, Dr. Seungbae	EMD Performance Materials	Participating Membership in IEEC	100	\$2,500	\$500	\$3,000
Park, Dr. Seungbae	E.I. du Pont de Nemours and Company	E.I. du Pont IEEC Membership	100	\$2,468	\$494	\$2,962

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Park, Dr. Seungbae	Knowles Electronics LLC	Participating Membership in the IEEC	100	\$1,212	\$242	\$1,454
Park, Dr. Seungbae	Koh Young Technology Incorporated	Integrated Electronics Engineering Center Membership 2018-2021	100	\$18,288	\$3,658	\$21,945
Park, Dr. Seungbae	IBM Corporation	IEEC Membership- IBM 2018-2022 Agreement No 4913015695.1	100	\$31,036	\$6,207	\$37,243
Park, Dr. Seungbae	Analog Devices	Analog Devices Membership in the IEEC 2018-2019	100	\$36,086	\$7,217	\$43,303
Park, Dr. Seungbae	BAE Systems Controls Incorporated	BAE Full Membership in the IEEC 2018	100	\$20,522	\$4,104	\$24,626
Park, Dr. Seungbae	MOSAIC Microsystems	Mosaic Microsystems Participating Membership in the IEEC 2017-2018	100	\$1,744	\$349	\$2,093
Park, Dr. Seungbae	Juniper Networks Incorporated	Juniper Network Membership in the IEEC PO #1 500044647 PO #2 500053405 PO #3 500060035 PO #4 500074805	100	\$24,313	\$4,863	\$29,175
Park, Dr. Seungbae	Energy and Resource Solutions Incorporated	Energy and Resource Solutions 2017-2018 Participating Membership in the IEEC	100	\$1,477	\$295	\$1,773
Park, Dr. Seungbae	Sanmina Corporation	Sanmina's Participating Membership in the IEEC	100	\$3,641	\$728	\$4,369
Park, Dr. Seungbae	i3 Electronics Incorporated	IEEC Membership 2015/2019 -i3 Electronics	100	\$3,253	\$651	\$3,904
Park, Dr. Seungbae	NYS Department of Economic Development	Center for Advanced Technology September 1, 2015-June 30, 2020	100	\$40,863	\$2,202	\$43,065

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Park, Dr. Seungbae	NYS Department of Economic Development	Center for Advanced Technology September 1, 2015-June 30, 2020	100	\$803,196	\$101,180	\$904,376
Park, Dr. Seungbae	Corning Incorporated	IEEC Membership 2015-2018 - Corning Inc.	100	\$29,363	\$5,873	\$35,236
Park, Dr. Seungbae	Raymond Corporation	IEEC Participating Membership 2015-2017 - Raymond Corp.	100	\$67	\$13	\$81
Park, Dr. Seungbae	Koh Young Technology Incorporated	Koh Young Technology's support of the IEEC	100	\$41,099	\$8,220	\$49,319
Park, Dr. Seungbae	Amphenol Aerospace Operations	2016 -2017 Amphenol Aerospace's Support of the IEEC	100	(\$433)	(\$87)	(\$520)
Park, Dr. Seungbae	Advanced Semiconductor Engineering Incorporated	ASE's Membership in the IEEC, 2015-2018	100	\$51,501	\$10,300	\$61,801
Park, Dr. Seungbae	IBM Corporation	IEEC Membership- IBM 2017 Agreement No 49103015695	100	\$14,791	\$2,958	\$17,750
Park, Dr. Seungbae	SensAttire LLC	SensAttire LLC's Participating Membership in the IEEC	100	\$2,500	\$500	\$3,000
Park, Dr. Seungbae	Prismark Partners LLC	Prismark Partner's Participating Membership in the IEEC	100	\$20,877	\$4,175	\$25,052
Park, Dr. Seungbae	B.W. Elliott Manufacturing Company LLC	B.W. Elliot Manufacturing's Membership in the IEEC	100	\$2,712	\$542	\$3,255
Park, Dr. Seungbae	MACOM Technical Solutions Incorporated	MACOM's Participating Membership in the IEEC	100	\$460	\$92	\$552

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Park, Dr. Seungbae	Incodema3D LLC	Incodema3D's Membership in the IEEC	100	\$147	\$29	\$176
Park, Dr. Seungbae	BAE Systems Controls Incorporated	BAE System's 2016/2017 Membership in the IEEC	100	\$10,930	\$2,186	\$13,116
Park, Dr. Seungbae	Analog Devices	Analog Devices Membership in the IEEC 2016, 2017	100	\$26,017	\$5,203	\$31,220
Partell, Mr. Peter	National Science Foundation	Leveraging SUNY LSAMP to Build Better STEM Pathways and Prepare Global STEM Scholars	100	\$514	\$272	\$786
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.3	100	\$614,566	\$29,801	\$644,367
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.1	100	\$19,232	\$8,989	\$28,221
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.1	100	\$1,082,037	\$14,000	\$1,096,037
Poliks, Dr. Mark D	Lockheed Martin Corporation	NextFlex Project 2.3: Conformal Printing of Conductors and Dielectrics onto Complex 3D Surfaces	100	\$24,709	\$13,837	\$38,547
Poliks, Dr. Mark D	Lockheed Martin Corporation	NextFlex Project 2.3: Conformal Printing of Conductors and Dielectrics onto Complex 3D Surfaces	100	\$127,743	\$14,000	\$141,743
Poliks, Dr. Mark D	Lockheed Martin Corporation	NextFlex Project 2.3: Conformal Printing of Conductors and Dielectrics onto Complex 3D Surfaces	100	\$36,251	\$14,000	\$50,251
Poliks, Dr. Mark D	Lockheed Martin Corporation	NextFlex Project 2.3: Conformal Printing of Conductors and Dielectrics onto Complex 3D Surfaces	100	\$350,000	\$14,000	\$364,000

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.5	100	\$56,945	\$28,529	\$85,475
Poliks, Dr. Mark D	Georgia Institute of Technology	NextFlex Project 2.5: Development of Test Methods and Standards to Assess Reliability of FHE Components and Systems	100	\$40,573	\$19,361	\$59,933
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.3	100	\$105,988	\$14,000	\$119,988
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.3	100	\$82,869	\$14,000	\$96,869
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.2	100	\$500,000	\$0	\$500,000
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.3	100	\$36,251	\$14,000	\$50,251
Poliks, Dr. Mark D	Universal Instruments Corporation	NextFlex Project 2.1: Ultra-Thin Die Assesmbly for FHE Systems	100	\$17,617	\$8,085	\$25,702
Poliks, Dr. Mark D	Corning Incorporated	Roll-to-Roll Fabrication (R2R) Fabrication of Electronic Corning Willow Glass Surfaces	100	(\$3,812)	(\$2,096)	(\$5,908)
Poliks, Dr. Mark D	Lockheed Martin Corporation	NextFlex Project 2.3: Conformal Printing of Conductors and Dielectrics onto Complex 3D Surfaces	100	\$158,258	\$14,000	\$172,258
Poliks, Dr. Mark D	Empire State Development Corp	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$586,338	\$14,000	\$600,338
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.8	100	\$274,298	\$14,000	\$288,298

<u><i>Investigator</i></u>	<u><i>Sponsor Name</i></u>	<u><i>Award Title</i></u>	<u><i>% Credited to Investigator</i></u>	<u><i>Direct Costs Expended</i></u>	<u><i>F & A Expended</i></u>	<u><i>Total Expended</i></u>
Poliks, Dr. Mark D	Flex Tech Alliance	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$22,138	\$12,397	\$34,536
Poliks, Dr. Mark D	Flex Tech Alliance	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$131,502	\$65,887	\$197,389
Poliks, Dr. Mark D	Flex Tech Alliance	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$51,719	\$0	\$51,719
Poliks, Dr. Mark D	National Renewable Energy Laboratory	Roll-To-Roll Processing Of Transparent Conductive Oxide Coatings For The Solar Energy Research Institute For India And The United States	50	\$25,005	\$13,753	\$38,758
Poliks, Dr. Mark D	Empire State Development Corp	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$147,417	\$69,409	\$216,826
Poliks, Dr. Mark D	Empire State Development Corp	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$51,719	\$0	\$51,719
Poliks, Dr. Mark D	Empire State Development Corp	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$22,138	\$12,397	\$34,535
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex Project 2.8 Assessment and Optimization of the Reliability of Wearable Performance Monitors	100	\$115,201	\$51,077	\$166,278
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex Project 2.8 Assessment and Optimization of the Reliability of Wearable Performance Monitors	100	\$298,725	\$14,000	\$312,725
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex Project 2.8 Assessment and Optimization of the Reliability of Wearable Performance Monitors	100	\$7,200	\$4,032	\$11,232
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex Project 2.8 Assessment and Optimization of the Reliability of Wearable Performance Monitors	100	\$203,254	\$14,000	\$217,254

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match- NextFlex Project 2.8	100	\$266,063	\$77,584	\$343,647
Poliks, Dr. Mark D	Flex Tech Alliance	Manufacturing Platform Process Development for Flexible Hybrid Electronics with Focus on Manufacturing Elements for Medical Devices	100	\$586,338	\$14,000	\$600,338
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Intergration and Packaging (S3IP)	100	\$14,852	\$2,228	\$17,079
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Intergration and Packaging (S3IP)	100	\$570,344	\$62,504	\$632,848
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Intergration and Packaging (S3IP)	100	\$222,113	\$32,062	\$254,174
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Intergration and Packaging (S3IP)	100	\$14,852	\$2,228	\$17,079
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Intergration and Packaging (S3IP)	100	\$22,345	\$3,342	\$25,687
Sammakia, Dr. Bahgat G	Future Facilities Incorporated	Future Facilities ES2 Membership	25	\$4,987	\$499	\$5,486
Sammakia, Dr. Bahgat G	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$26,880	\$14,276	\$41,156
Sammakia, Dr. Bahgat G	University of Texas at Arlington	Phase II IUCRC University of Texas at Arlington Center for Energy Smart Electronic Systems - UTA NSF Award 1738811	50	\$6,972	\$3,904	\$10,876
Sammakia, Dr. Bahgat G	Futurewei Technologies	Futurewei Membership Agreement I/UCRC	50	\$33,751	\$3,375	\$37,126

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Future Facilities Incorporated	Future Facilities ES2 Membership	25	\$5,344	\$534	\$5,878
Sammakia, Dr. Bahgat G	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$6,972	\$3,904	\$10,876
Sammakia, Dr. Bahgat G	Huawei Technologies Company Limited	Huawei Corporation's Membership in the I/UCRC for Energy-Smart Electronic Systems	34	\$7,749	\$775	\$8,524
Sammakia, Dr. Bahgat G	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$11,694	\$1,169	\$12,864
Sammakia, Dr. Bahgat G	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	34	\$1,088	\$598	\$1,686
Sammakia, Dr. Bahgat G	Bloomberg LP	Bloomberg's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	25	\$11,426	\$1,142	\$12,568
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence 2016/2017	100	\$3,186	\$478	\$3,664
Sammakia, Dr. Bahgat G	National Science Foundation	Collaborative Center: I/UCRC in Center for Energy-Smart Electronic Systems (ES2)	34	\$615	\$326	\$940
Sammakia, Dr. Bahgat G	Corning Incorporated	Corning's Membership in the I/UCRC for Energy-Smart Electronic Systems	25	\$2,775	\$278	\$3,053
Sammakia, Dr. Bahgat G	Callsign Incorporated	ES2 Membership-Callsign Inc.	33	\$1	\$0	\$1
Sammakia, Dr. Bahgat G	Xilinx	ES2 Membership Agreement	25	\$7,968	\$797	\$8,765

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Sammakia, Dr. Bahgat G	Multiple Sponsors	ES2 IAB Donation Multiple Sponsors	34	\$43	\$4	\$47
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence 2016/2017	100	\$7,186	\$4,388	\$11,574
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence 2016/2017	100	\$291	\$44	\$335
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence 2016/2017	100	\$437	\$65	\$502
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence 2016/2017	100	\$291	\$44	\$335
Sammakia, Dr. Bahgat G	Panduit Corporation	Panduit's Support of the NSF Collaborative Center I/UCRC in Energy-Efficient Systems	25	\$11,532	\$1,153	\$12,685
Srihari, Dr. Krishnaswa	Multiple Sponsors	Flight Simulation 2018	100	\$24,142	\$6,035	\$30,177
Srihari, Dr. Krishnaswa	Montefiore Hospital and Medical Center	Improving the Efficiency and Effectiveness of Healthcare Delivery Amendments 10, 13 and 15, 17	50	\$31,804	\$7,489	\$39,293
Srihari, Dr. Krishnaswa	Multiple Sponsors	Lean Six Sigma Green Belt Program	100	\$5,658	\$1,415	\$7,073
Srihari, Dr. Krishnaswa	Multiple Sponsors	Income from Watson School Continuing Education Miscellaneous Activities	100	\$8,089	\$2,022	\$10,112
Srihari, Dr. Krishnaswa	Multiple Sponsors	Blackbelt Income Account	100	\$17,388	\$4,347	\$21,735

<u>Investigator</u>	<u>Sponsor Name</u>	<u>Award Title</u>	<u>% Credited to Investigator</u>	<u>Direct Costs Expended</u>	<u>F & A Expended</u>	<u>Total Expended</u>
Srihari, Dr. Krishnaswa	Multiple Sponsors	Lean Six Sigma Greenbelt and Healthcare	100	\$20,351	\$5,088	\$25,438

Department Total: \$10,250,135

Total:	\$47,475,298
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