

Sponsored Programs Expenditure Report

For the period July 1, 2021 - September 30, 2021



<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						
Fegley, Dr. Megan Elizabeth Audrey	University of Georgia	Momentary Assessment of Research Learning Enviroments	100	\$548	\$274	\$823
Imbruce, Dr. Valerie	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$6,303	\$2,368	\$8,671
Imbruce, Dr. Valerie	US Department of Education	Ronald E. McNair Post-Baccalaureate Achievement 2017-2022	100	\$80,075	\$3,111	\$83,186
Imbruce, Dr. Valerie	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$1,059	\$604	\$1,663
Loewen, Mr. Donald J	Multiple Sponsors - Nonsponsored	GROK Global Services	100	\$95,901	\$0	\$95,901
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$6,303	\$2,368	\$8,671
Stamp, Dr. Nancy E	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$1,531	\$765	\$2,296
Withers, Ms. Michelle D	National Science Foundation	RCN-UBE: Networking STEM initiatives to enhance (NSITE) adoption of Evidence-Based Practices	100	\$45,138	\$25,729	\$70,867
Withers, Ms. Michelle D	National Science Foundation	Facilitating Widespread Implementation of Teaching Strategies Known to Promote Student Success throughout a State System of Colleges	100	\$10,399	\$5,927	\$16,326
Department Total:				\$288,404		

<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>
----------------------------	----------------------------	---------------------------	--	-------------------------------------	----------------------------------	------------------------------

020 Anthropology

Digangi, Dr. Elizabeth Ann	US Department of Justice	A Virtual Anthropological Approach to the Study of Commingled Human Remains	100	\$9,553	\$0	\$9,553
McGuire, Dr. Randy	National Science Foundation	Doctoral Dissertation Research Award: The Role of Material Culture in Reconstructing Social Connectivity	100	\$5,083	\$1,322	\$6,405
McGuire, Dr. Randy	National Science Foundation	Conceptualizing Cultural Contact And Transmission Across International Boundaries	100	\$3,690	\$959	\$4,650
McGuire, Dr. Randy	National Science Foundation	Doctoral Dissertation Improvement Award: Emergence of Settlement Patterns	100	\$2,059	\$535	\$2,594
Sanger, Dr. Matthew	National Science Foundation	Collaborative Research: Examination of Sites on the Georgia Bight Coastline	100	\$951	\$247	\$1,198
Van Dyke, Dr. Ruth	National Park Service	Condition Assessment and Emergency Treatment of Managed Archaeological Sites on Chacra Mesa	100	\$42,499	\$7,437	\$49,936
Wander, Dr. Katherine	National Science Foundation	Human adaption in high-pathogen enviroments: iron, infection, and child growth and development	100	\$37,356	\$0	\$37,356
Wander, Dr. Katherine	National Science Foundation	RAPID: Evolutionary Nutritional Adaptations and COVID-19 Risk Among Healthcare Workers	100	\$36,142	\$780	\$36,922
<i>Department Total:</i>				<i>\$148,613</i>		

020 Art History

Smart, Dr. Pamela	National Endowment for the Humanities	Situating Chemical Elements in the Human World to Innovate Undergraduate Education	50	\$1,059	\$604	\$1,663
Um, Dr. Nancy	Getty Foundation	Indian Ocean Exchanges	100	\$1,729	\$173	\$1,902

<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>
				Department Total:	\$3,565	
020 Arts and Sciences Dean						
Holahan, Dr. Robert A	National Science Foundation	Collaborative Research: Technological Shocks and Institutional Effectiveness under Heterogeneous Risk	100	\$2,500	\$1,425	\$3,925
Homsy, Dr. George C	Cary Institute of Ecosystem Studies	An Evaluation of Stakeholder Engagement in the Rondout and Neversink Watersheds RNSP-2021-01-001	100	\$2,269	\$454	\$2,723
Massey, Dr. Sean	NYS Department of Health	2019 - 20 Legislative Initiative	100	\$8,422	\$1,684	\$10,106
				Department Total:	\$16,754	
020 Asian Asian-American Studies						
Chen, Dr. Zu-yan	National Academy of Chinese Theatre Arts	2021 National Academy of Chinese Theatre Arts	100	\$24,962	\$2,496	\$27,458
Cho, Dr. Sungdai	Cornell University	Korean at the Nexus of the Northeast Asia Linguistic Area	100	\$44,423	\$4,442	\$48,865
				Department Total:	\$76,323	
020 Biological Sciences						
Cook, Dr. Laura	National Institute of Allergy & Infectious Disease	Transcriptomic and Genetic Differences of Group A Streptococcus in Humans: Acute Infection Versus Carriage	100	\$22,099	\$190	\$22,289
Cook, Dr. Laura	National Institute of Allergy & Infectious Disease	The Characterization of Streptococcus agalactiae Novel Protein, Sak_1753 in the Colonization of the Vaginal Tract	100	\$8,811	\$0	\$8,811
Fiumera, Dr. Anthony	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	22.5	\$5,300	\$3,021	\$8,321

<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>
Marques, Dr. Claudia	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$38,578	\$18,318	\$56,896
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	\$5,000	\$0	\$5,000
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	\$15,600	\$0	\$15,600
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	\$17,351	\$9,890	\$27,240
Musselman, Dr. Laura	National Institute of General Medical Sciences	Laboratory Selection for Drosophila Melanogaster Genetic Variants that Confer Increased Survival on a Diabetogenic Diet	77.5	\$18,256	\$10,406	\$28,661
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	\$4,068	\$2,319	\$6,387
Prior, Dr. Kirsten	National Science Foundation	EAGER: Uncovering the Role of Altered Cryptic Interactions in Driving the Demographic Success of a Range-Expanding Species	100	\$28,824	\$6,160	\$34,984
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Role of PA4878 in biofilm antimicrobial resistance	100	\$51,039	\$28,071	\$79,110
Sauer, Dr. Karin	National Institute of Allergy & Infectious Disease	Dispersion and the Biofilm Matrix of Pseudomonas aeruginosa	100	\$68,254	\$38,830	\$107,084
Schertzer, Dr. Jeffrey W	National Institute of General Medical Sciences	Small-molecule membrane interactions as a driver of bacterial outer membrane vesicle biogenesis across species	50	\$14,134	\$8,056	\$22,190

<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>
Schertzer, Dr. Jeffrey W	National Institute of Allergy & Infectious Disease	Pathogen Synergy Through Cross-Species Induction of Outer Membrane Vesicle Biogenesis	100	\$36,216	\$14,374	\$50,590
Sobel, Dr. James	National Science Foundation	Collaborative Research: ROL: Rapid Evolution of Reproductive Isolation via Hybrid Seed Lethality in Mimulus	100	\$13,882	\$7,913	\$21,795
Stamp, Dr. Nancy E	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$318	\$0	\$318
Zhu, Dr. Weixing	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$1,531	\$765	\$2,296

Department Total: \$497,571

020 Biomedical Engineering

German, Dr. Guy K	National Science Foundation	CAREER: Understanding the Multi-Scale Failure Mechanics of Human Skin with Age, Ultraviolet Photodamage and Bacteria Growth	100	\$21,478	\$12,242	\$33,720
German, Dr. Guy K	National Science Foundation	RAPID: Ultraviolet Germicidal Irradiation for Disinfecting and Reuse of N95 Respirators	30	\$7,443	\$4,243	\$11,686
German, Dr. Guy K	National Science Foundation	I-Corps: Preventing Rolling Veins During IV Insertion	100	\$15,852	\$1,761	\$17,613
Hookway, Dr. Tracy	National Heart Lung and Blood Institute	Heterotypic impacts on epicardial cells on engineered cardiac microtissue function	100	\$22,192	\$12,649	\$34,842
Jin, Dr. Sha	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	80	\$12,077	\$6,884	\$18,961
Jin, Dr. Sha	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	75	\$29,481	\$16,804	\$46,286

<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>
Koh, Dr. Ahyeon	National Science Foundation	Power-On-Skin: Energy Generation from Sweat-Eating Bacteria for Self-Powered Electronic Skins	40	\$22,275	\$12,696	\$34,971
Koh, Dr. Ahyeon	Sete Digital LTDA	Apolo Project	100	\$3,413	\$1,945	\$5,358
Koh, Dr. Ahyeon	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	45	\$6,818	\$3,886	\$10,704
Koh, Dr. Ahyeon	National Science Foundation	Stretchable Papertronics	50	\$8,336	\$4,752	\$13,088
Lu (Frank), Dr. Fake (Frank)	National Institutes of Health	Stimulated Raman imaging for label-free histology to guide brain tumor surgery	100	\$1,896	\$1,081	\$2,977
Lu (Frank), Dr. Fake (Frank)	National Institute of General Medical Sciences	Low-Power Stimulated Raman Time-Lapse Microscope for Tracking Dynamics and Fate of Lipid Droplets in Glioma Cells	100	\$30,809	\$17,561	\$48,370
Lu, Dr. Fake (Frank)	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$2,839	\$1,618	\$4,457
Mahler, Dr. Gretchen J	National Inst of Environmental Health Sciences	Engineering a Small Intestinal Microbiome To Evaluate Food Additive Exposure	50	\$38,578	\$18,318	\$56,896
Mahler, Dr. Gretchen J	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$10,322	\$5,884	\$16,206
Mahler, Dr. Gretchen J	American Heart Association Western State Affiliate	Three-dimensional Valve-on-a-chip Models of the Aortic Valve Fibrosa	100	\$7,847	\$0	\$7,847
Wan, Dr. Yuan	Carnegie Mellon University	Lipid nanoprobe integrated microdevice for extracellular vesicle isolation and duplex sequencing based mutation detection for non-invasive lung cancer diagnosis	100	\$28,286	\$16,123	\$44,409

<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>
Wang, Dr. Li-Ju	National Institute of Dental & Craniofacial Res	Development of a Smartphone based infrared fluorescenceimaging intraoral device (SMART-IR-ID) for dentist- guided realtime self-monitoring of periodontal disease	100	\$6,029	\$3,436	\$9,465
Ye, Dr. Kaiming	National Science Foundation	Molecular mechanisms of tissue specific signaling for islet self-assembly	20	\$3,019	\$1,721	\$4,740
Ye, Dr. Kaiming	National Science Foundation	REU Site: Undergraduate Research Experience in Biomedical Translational Science and Technology Development	100	\$24,019	\$13,691	\$37,710
Ye, Dr. Kaiming	National Science Foundation	RAPID: Ultraviolet Germicidal Irradiation for Disinfecting and Reuse of N95 Respirators	70	\$17,367	\$9,899	\$27,267
Ye, Dr. Kaiming	University of Arkansas	EAGER: SARS-CoV-2 Pseudovirus via a novel eukaryotic construction in yeast	100	\$6,764	\$3,855	\$10,619
Ye, Dr. Kaiming	National Inst of Biomedical Imaging and Bioenginee	Generation of Islet Organoids in Oxygenated Scaffolds	25	\$9,827	\$5,601	\$15,429
Ye, Dr. Kaiming	Johns Hopkins University	NIST Professional Research Experience Program (PREP) Partnership	100	\$25,186	\$6,548	\$31,735
Ye, Dr. Kaiming	National Science Foundation	REU Site: Undergraduate Research Experience in Biomedical Translational Science and Technology Development	100	\$15,571	\$0	\$15,571
Ye, Dr. Kaiming	Johns Hopkins University	NIST Professional Research Experience Program (PREP) Partnership	100	\$12,722	\$3,308	\$16,030
Ye, Dr. Kaiming	Johns Hopkins University	NIST Professional Research Experience Program (PREP) Partnership	100	\$9,670	\$2,514	\$12,184
Department Total:				\$589,139		

020 CCPA Deans Office

<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>
Bronstein, Dr. Laura R	University of Pennsylvania	Netter Center Regional Training Center Award, Year One of Three	100	\$13,717	\$0	\$13,717
Bronstein, Dr. Laura R	University of Pennsylvania	Netter Center Regional Training Center Award, Year Two of Three 2021-2022	50	\$862	\$0	\$862
Bronstein, Dr. Laura R	University of Massachusetts Worcester	Helping Youth on the Path to Employment (HYPE): Creating Economic Self-Sufficiency Subaward No. OSP28329-01	100	\$51,003	\$11,896	\$62,898
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)	100	\$12,283	\$3,194	\$15,476
Bronstein, Dr. Laura R	Multiple Sponsors	CCPA Miscellaneous Income	100	\$40,263	\$6,039	\$46,303
Bronstein, Dr. Laura R	Multiple Sponsors	Continuing Education Activities	100	\$2,732	\$410	\$3,142
Bronstein, Dr. Laura R	NYS Education Department	Community Schools Regional Technical Assistance Center (TAC)- CARES Act Funding	100	\$95,441	\$24,451	\$119,891
Kida, Ms. LuAnn F	Conrad and Virginia Klee Foundation	Promise Zone to Pilot an Early Childhood Program within BU Community Schools at the Harpursville Central School District	100	\$9,580	\$0	\$9,580
Kida, Ms. LuAnn F	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	30	\$46,596	\$735	\$47,331
Kida, Ms. LuAnn F	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$3,272	\$793	\$4,065
Kida, Ms. LuAnn F	University of Pennsylvania	Netter Center Regional Training Center Award, Year Two of Three 2021-2022	50	\$862	\$0	\$862

<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>
Pulz, Ms. Casey	Broome County Youth Bureau	2021 Youth Bureau Summer Zones Program	100	\$9,034	\$903	\$9,938
Pulz, Ms. Casey	Mothers and Babies Perinatal Network of South Cent	Mothers & Babies PREP Summer Youth Development Program	100	\$12,505	\$1,251	\$13,756
Department Total:				\$347,821		
020 CCPA Public Administration						
Rubaii, Dr. Nadia	Auschwitz Inst for the Prev of Genocide & Mass Atrocities	An Analysis of the Relation Between Speech Legitimizing Violence	50	\$500	\$25	\$525
Department Total:				\$525		
020 CCPA Teaching Learning Educ Leadership						
Humphrey, Ms. Amy L.	Multiple Sponsors	Income Account for Liberty Partnership Activities	100	\$17,588	\$1,407	\$18,995
Humphrey, Ms. Amy L.	NYS Education Department	Liberty Partnership Program 2020-2021	100	\$127,985	\$10,239	\$138,223
Humphrey, Ms. Amy L.	NYS Education Department	AT RISK Liberty Partnership Program 2021-2022	100	\$22,069	\$1,766	\$23,835
Malin, Dr. Jo E.	US Department of Education	Talent Search Program 2017-2021	100	\$108,619	\$8,690	\$117,309
Malin, Dr. Jo E.	US Department of Education	Talent Search Program 2021-2026	100	\$21,851	\$1,748	\$23,599
Mellin, Dr. Elizabeth	US Department of Education	Binghamton University Community Schools PLACE (Partnerships for Learning and Community Engagement) Initiative	70	\$108,724	\$1,715	\$110,438

<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>
Simpson, Dr. Amber	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$3,272	\$793	\$4,065
Simpson, Dr. Amber	National Science Foundation	Collaborative Research: The Notion of Failure and Maker Programming for Youth: Supporting the Professional Development, Reflection, and Learning of Informal Educators	100	\$21,077	\$12,014	\$33,090
Simpson, Dr. Amber	National Science Foundation	Collabarative Research: Engineering a Community Family Partnership: Developing a Program Aimed at Making & Design Practices in Home Enviroments	100	\$9,234	\$5,263	\$14,498
Simpson, Dr. Amber	Trustees of Indiana University	RAPID: Rapidly building a collaborative network of informal educators to address school closures related to the 2020 COVID -19 Pandemic - SUBAWARD #8447	100	\$4,045	\$2,305	\$6,350

Department Total: \$490,403

020 Chemistry

An, Dr. Ming	National Institute of General Medical Sciences	Rational Design of pH-Low Insertion Peptides for Cargo Delivery	70	\$1,179	\$672	\$1,851
Bane Tuttle, Dr. Susan B	National Cancer Institute	Coupling through Boron: Fast, Tunable, and Versatile Bioorthogonal Reactions Producing Boron-Containing Heterocycles	100	\$30,963	\$17,649	\$48,612
Callahan, Dr. Brian P	Rensselaer Polytechnic Institute	Structural Mechanisms of Hedgehog Autoprocessing in Physiology and Disease PTE 1R01CA206592-01-A1 - Subaward A12815	100	\$27,226	\$14,974	\$42,201
Callahan, Dr. Brian P	Rensselaer Polytechnic Institute	National Cancer Insitute Diversity Supplement for Andrew Wagner	100	\$7,769	\$4,428	\$12,197
Callahan, Dr. Brian P	National Institute of Allergy & Infectious Disease	Rapid SARS-CoV-2 Detection Using Amplicon Templated Reported Enzyme Assembly	100	\$7,570	\$4,315	\$11,885

<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>
Dimitrov, Mr. Nikolay	Purdue University	Dimitrov 2020 SRC CHIRP: Fine Pitch Cu-Sn Based Interconnection Below Temperatures of 180oC	100	\$12,798	\$7,295	\$20,092
Fang, Dr. Jiye	Cornell University	Development of Advanced ORR/ HOR Nano-Electrocatalysts in Alkaline Media FEderal Award no DE-SC0019445	100	\$16,655	\$14,080	\$30,735
Fang, Dr. Jiye	National Science Foundation	Manipulating and Exploiting Lattice Strain as a Novel Platform to Tune the Surface Work Function of Mtallic Nanocatalysts	100	\$18,527	\$10,560	\$29,087
Goyal, Ms. Puja	National Institute of General Medical Sciences	Towards Rational Design of the Photocontrol of Calmodulin-Protein Interactions	100	\$30,704	\$17,501	\$48,205
Grewer, Dr. Christof	National Institute of General Medical Sciences	How to combat Glutamate Release by Reverse Transport: Mechanistic Studies and Development of Selective Efflux Inhibitors	100	\$16,299	\$9,290	\$25,589
Grewer, Dr. Christof	Mount Sinai School of Medicine	Substrate Specificity Determinants in Nutrient Solute Carrier Transporters	100	\$14,915	\$7,952	\$22,867
Hirschi, Dr. Jennifer Sue	National Science Foundation	Covalent and Transition State Inhibitor Design	100	\$461	\$263	\$723
Hirschi, Dr. Jennifer Sue	National Institute of General Medical Sciences	Mechanistic Investigation into Photoredox Catalysis	100	\$27,759	\$15,823	\$43,582
Liu, Dr. Hao	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	34	\$9,369	\$5,340	\$14,709
Panetier, Dr. Julien	National Institute of General Medical Sciences	Computational Modeling of Carbon Monoxide Dehydrogenase Model Systems for Carbon Dioxide Fixation	100	\$31,058	\$17,703	\$48,760
Qiang, Dr. Wei	National Institute of General Medical Sciences	Molecular mechanisms of membrane disruption induced by early-stage aggregation of beta-amyloid peptides	100	\$15,388	\$8,771	\$24,160

<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>
Rozners, Dr. Eriks	National Institute of General Medical Sciences	Chemical approaches to control the function of regulatory RNAs	100	\$82,640	\$47,105	\$129,745
Rozners, Dr. Eriks	American Chemical Society	ACS Summer Undergraduate Research Fellowship- John Talbott	100	\$4,789	\$0	\$4,789
Rozners, Dr. 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	\$657	\$0	\$657
Rozners, Dr. Eriks	National Science Foundation	Collaborative Research: Nucleobase-Modified PNA for Sequence Selective Triple-Helical Recognition of Non-Coding RNA	100	\$8,361	\$4,766	\$13,127
Solmaz, Ms. Sozanne	National Institute of General Medical Sciences	Cell cycle-specific recognition of the cell nucleus as cargo for dynein-dependent transport	100	\$31,342	\$17,865	\$49,207
Swierk, Dr. John	American Chemical Society	Photochemical Oxidation of Refractory Sulfur Compounds for Fuel Desulfurization	100	\$13,372	\$0	\$13,372
Swierk, Dr. John	National Institute of General Medical Sciences	Photochemical transformations of multicomponent aggregates containing photolabile small molecules, heavy metal ions, and/or nanoparticles in biological environments	100	\$20,560	\$11,719	\$32,280
Swierk, Dr. John	National Science Foundation	CAREER:CAS: Mechanistic Investigation of Photoredox Reactions	100	\$18,220	\$10,385	\$28,605
Veticatt, Dr. Mathew	National Institutes of Health	Novel Concepts and Mechanistic Probes in Catalysis	100	\$85,016	\$48,459	\$133,475
Whittingham, Dr. M Stanley	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$6,303	\$2,368	\$8,671
Whittingham, Dr. M Stanley	NYS Energy Research and Development Authority	NYSERDA Cost Share for North East Center for Chemical Energy Storage (NECCES) Energy Frontier Research Center	100	\$30,140	\$17,180	\$47,320

<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	Corning Incorporated	Evaluating the Electrochemical Performance of Corning's novel Sintered Cathodes	100	\$11,378	\$6,485	\$17,864
Whittingham, Dr. M Stanley	US Department of Energy	Battery500 Consortium - Development of High-Capacity Cathodes and Robust Solid Electrolytes	100	\$57,384	\$32,709	\$90,093
Whittingham, Dr. M Stanley	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	89.24	\$39,819	\$22,697	\$62,516
Whittingham, Dr. M Stanley	Empire State Development Corp	HTMG: EFRC-NE Center of Energy Storage	75	\$13,712	\$2,057	\$15,769
Whittingham, Dr. M Stanley	Pacific Northwest National Laboratory	The Stability of High Energy Lithium Batteries	100	\$11,205	\$6,387	\$17,593
Zhong, Dr. Chuan Jian	National Science Foundation	Exploring Synergy of Composition-Tunable Nanoalloys for Catalytic Oxidation of Hydrocarbons	100	\$14,976	\$8,242	\$23,218
Zhong, Dr. Chuan Jian	Mecotech Incorporated	Unrestricted Research	100	\$5,859	\$879	\$6,738
Zhong, Dr. Chuan Jian	National Science Foundation	I-Corps: Low-Cost and Highly Efficient Hydrogen Production from Water Splitting	50	\$1,972	\$219	\$2,191
Zhong, Dr. Chuan Jian	BASF Corporation	Controlled synthesis of multi-metallic nanoscale alloys	100	\$28,877	\$16,460	\$45,337
Zhong, Dr. Chuan Jian	National Science Foundation	CAS: Role of Dynamic Surface/ Subsurface Oxygenation of Noble Metal/ 3d-Transition Metal Alloy Nanoparticles in Oxidation Reactions	100	\$21,463	\$12,234	\$33,696
Department Total:				\$1,201,516		

020 Computer Science

<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>
Blackburn, Dr. Jeremy	Facebook Incorporated	RFP: Content Policy Research on Social Media Platforms/Monitoring Cross-platform Trends in Hate Speech	100	\$45,352	\$3,628	\$48,980
Blackburn, Dr. Jeremy	National Science Foundation	Collaborative Research: SaTC: Core: Small: Detecting Accounts Involved in Influence Campaigns on Social Media	100	\$17,178	\$9,792	\$26,970
Blackburn, Dr. Jeremy	Media Ecosystems Analysis Group	A Data-driven Measurement Study of the Use of Preprints in the Realm of Health-related Mis- and Dis-information	100	\$5,650	\$0	\$5,650
Chiu, Dr. Kenneth	National Science Foundation	Spokes: SMALL: NORTHEAST: Collaborative: Building the Community to Address Data Integration of the Ecological Long Tail	100	\$11,615	\$6,621	\$18,236
Chiu, Dr. Kenneth	TOTAL E&P Research & Technology USA, LLC	Performance Measurement, Analysis, and Tuning of Seismic and Machine Learning Workloads	100	\$23,756	\$13,541	\$37,298
Dai, Dr. Weiyang	Cornell University	Basal forebrain connections to the heart and mind in healthy aging	100	\$14,114	\$8,045	\$22,159
Ghose, Dr. Kanad	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program Phases 1-3	60	\$63,093	\$35,963	\$99,056
Ghose, Dr. Kanad	Flex Tech Alliance	Improved ECG Monitor with Capacitive Electrodes	30	(\$90)	(\$51)	(\$142)
Ghose, Dr. Kanad	Purdue University	CHIRP: Exploration of Holistic Scaleout Designs Within Heterogeneous Packages for HPC/Server Processors (Proposal Number	50	\$5,494	\$3,132	\$8,626
Ghose, Dr. Kanad	Purdue University	CHIRP: Direct Liquid and Two Phase Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages: Experimental and Analytical Studies at the Device and Module Levels (Proposal Number W32612)	33	\$2,312	\$1,318	\$3,630
Govindaraju, Dr. Madhusudhan	National Science Foundation	S12-SSE: Expanding the Scope of Materials Modeling with Electron Phonon Wannier (EPW) Software	100	\$14,521	\$8,277	\$22,797

<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>
Kang, Dr. Kyoung-Don	National Science Foundation	CNS Core: Small: Toward Real-Time Stream Processing in Edge Devices	100	\$40,218	\$22,924	\$63,143
Liu, Dr. Yao	National Science Foundation	CSR: Small: A Unified Approach Toward User-specific Improvements of Quality of Experience for Video Streaming	100	\$16,978	\$9,338	\$26,315
Liu, Dr. Yao	National Science Foundation	CAREER: System Research to Enable Practical Immersive Streaming : From 360-Degree Towards Volumetric Video Delivery	100	\$5,283	\$3,011	\$8,294
Liu, Dr. Yao	National Science Foundation	Collaborative Research: CNS Core: Small: From Capture to Consumption: System Challenges in Pervasive 360-Degree Video Sharing	100	\$7,295	\$4,158	\$11,454
Liu, Dr. Yu David	National Science Foundation	SHF: Small: Lazy Data Structures for Data-Intensive Applications	100	\$40,681	\$23,188	\$63,869
Liu, Dr. Yu David	National Science Foundation	CRI: CI-New: Collaborative Research: Extensible, Software Enabled Unmanned Aerial Vehicles	100	\$6,302	\$3,592	\$9,894
Liu, Dr. Yu David	National Science Foundation	CNS Core: Small: Language Runtime Support for Energy- Aware Applications	100	\$33,272	\$18,965	\$52,237
Liu, Dr. Yu David	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$9,931	\$5,661	\$15,592
Lu, Mr. Hui	National Science Foundation	CNS Core: Small: Collaborative: Salvaging Commodity Operating Systems to Support Emerging Networking Technologies	100	\$25,746	\$14,675	\$40,421
Ponomarev, Dr. Dmitry V	National Science Foundation	Collaborative Research: SaTC: CORE: Medium: Leakage-Free Isolated Execution: Architectures and Security Models	50	\$9,931	\$5,661	\$15,592
Prakash, Dr. Aravind	US Navy Office of Naval Research	ALBER: A Backward-Compatible Late-Stage Debloating Platform for Mobile and Desktop Environments	100	\$20,328	\$11,587	\$31,915

<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>
Prakash, Dr. Aravind	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program Phases 1-3	30	\$31,547	\$17,982	\$49,528
Sha, Dr. Mo	National Science Foundation	CAREER: Advancing Network Configuration and Runtime Adaption Methods for Industrial Wireless Sensor- Actuator Networks	100	\$5,736	\$3,269	\$9,005
Yan, Dr. Guanhua	National Science Foundation	TWC: Small: A Moving Target Approach to Enhancing Machine Learning-Based Malware Defense	100	\$45,654	\$25,566	\$71,220
Yan, Dr. Guanhua	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	35	\$9,095	\$3,631	\$12,726
Yan, Dr. Guanhua	National Science Foundation	Career: Proactive Techniques for Enhancing Security and Resilience of Mobile Communication Infrastructure	100	\$8,299	\$4,730	\$13,029
Yang, Dr. Ping	National Science Foundation	CICI: RSARC: Infrastructure support for securing large-scale scientific workflows	65	\$16,892	\$6,743	\$23,635
Yin, Dr. Lijun	National Science Foundation	CI-SUSTAIN: Collaborative Research: Extending a Large Multimodal Corpus of Spontaneous Behavior for Automated Emotion Analysis	100	\$25,012	\$14,006	\$39,018
Yin, Dr. Lijun	National Science Foundation	CI-SUSTAIN: Collaborative Research: Extending a Large Multimodal Corpus of Spontaneous Behavior for Automated Emotion Analysis	100	\$1,926	\$0	\$1,926
Yu, Dr. Lei	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$2,188	\$1,247	\$3,436
Yu, Dr. Lei	General Electric Global Research	Learning robust and Accurate Multiphysics/Multiscale Simulators Using Deep Reinforcement Learning	100	\$39,118	\$22,297	\$61,415
Yu, Dr. Lei	NYS Energy Research and Development Authority	Stability Impact Analysis of the New York Power Grid with High Penetration of Inverter Based Distributed Energy Resources Agreement 159612	40	\$5,873	\$3,348	\$9,221

<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. Shiqi	National Science Foundation	NRI: FND: Knowledge-based Robot Sequential Decision Making under Uncertainty	100	\$31,286	\$17,833	\$49,118
Zhang, Dr. Shiqi	Ford Motor Company	Ford RIC Unrestricted Support	100	\$33,609	\$5,041	\$38,650
Zhang, Dr. Yifan	Lockheed Martin Corporation	Supplier Development Efforts for the DARPA SSITH Program Phases 1-3	10	\$10,516	\$5,994	\$16,509
Zhang, Dr. Yifan	National Science Foundation	CAREER: Enabling Edge-hosted Private Services via Unikernel based Lightweight Virtualization	100	\$11,211	\$6,390	\$17,602
Zhang, Dr. Yifan	National Science Foundation	CAREER: Enabling Edge-hosted Private Services via Unikernel based Lightweight Virtualization	100	\$3,000	\$0	\$3,000

Department Total: \$1,051,023

020 Economics

Wolcott, Dr. Susan	National Science Foundation	Cilometrics Conferences for 2018, 2019, and 2020	100	\$2,900	\$1,653	\$4,553
Yang, Dr. Zili	Yale University	DICE/RICE Modeling Works for Yale Climate Change Research Program (YCCPR)	100	\$36,833	\$3,683	\$40,516

Department Total: \$45,069

020 Electrical and Computer Engineering

Akyol, Dr. Emrah	National Science Foundation	CIF: Small: Strategic Communication: Concepts, Methods, and Applications	100	\$18,178	\$10,361	\$28,539
Chen, Dr. Yu	National Science Foundation	EAGER: SaTC: SAVED: Secure Audio and Video Data from Deepfake Attacks Leveraging Environmental Fingerprints	100	\$15,455	\$8,809	\$24,264

<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. Yu	US Air Force Office of Scientific Research	ERSES-5G: Integrated 5G Imaging and Communication Surveillance as an Edge Service Secured by a Lightweight Environmental Fingerprint Consensus Blockchain	50	\$4,944	\$2,818	\$7,762
Choi, Dr. Seokheun	National Science Foundation	Power-On-Skin: Energy Generation from Sweat-Eating Bacteria for Self-Powered Electronic Skins	60	\$33,412	\$19,045	\$52,456
Choi, Dr. Seokheun	National Science Foundation	Stretchable Papertronics	50	\$8,336	\$4,752	\$13,088
Choi, Dr. Seokheun	US Navy Office of Naval Research	Plug-n-Play Micro-Bio-Photovoltaic Panels	100	\$6,908	\$3,937	\$10,845
Choi, Dr. Seokheun	US Navy Office of Naval Research	Supercapacitive Micro-Bio-Photovoltaics for Sustainable Wireless Sensor Networks	100	\$11,566	\$6,570	\$18,135
Das, Dr. Pritam	NYS Energy Research and Development Authority	Agreement 127609- A Flexible Storage Plus Distributed Energy Resource (DER) Solution for Warehouse Energy Management	40	\$16,456	\$8,941	\$25,397
Das, Dr. Pritam	NYS Energy Research and Development Authority	Feasibility Study of an Onboard XFC/Motor Drive System with Extended Lifetime Batteries Agreement No. 138104	100	\$1,690	\$963	\$2,653
Das, Dr. Pritam	National Science Foundation	I-Corps - Vanadium Redox Flow Batteries for Small Urban Businesses	100	\$1,755	\$195	\$1,950
Dhakal, Dr. Tara Prasad	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	50	\$5,308	\$1,380	\$6,688
Dhakal, Dr. Tara Prasad	SunDensity	Center for Autonomous Solar Power (CASP): Evaluation Services Agreement	100	\$104	\$59	\$164
Dhakal, Dr. Tara Prasad	GVD Corporation	SBIR Phase II: Reduced Environmental Controls in Perovskite Solar Cell Manufacturing Enabled by Vacuum-Deposited Gas Barrier Coatings	100	\$25,930	\$14,780	\$40,710

<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>
Dhakal, Dr. Tara Prasad	National Science Foundation	CAREER: Toward Twenty Year Lifetime: Hermetic Sealing for Perovskite Solar Cells	100	\$11,865	\$6,763	\$18,629
Dhakal, Dr. Tara Prasad	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	50	\$12,592	\$7,178	\$19,770
Dhakal, Dr. Tara Prasad	Flex Tech Alliance	Improved ECG Monitor with Capacitive Electrodes	30	(\$90)	(\$51)	(\$142)
Fridrich, Dr. Jessica J.	National Science Foundation	SaTC: CORE: Medium: Steganography Based on Sensor Capture Models: Replacing Heuristics with Model-Based Designs	100	\$40,819	\$23,267	\$64,085
Li, Dr. Jian	National Science Foundation	CRII: CNS: NeTS: Adaptive Cache Dimensioning in Cloud CDNs: Foundations and Practice	100	\$31,734	\$18,088	\$49,823
Li, Dr. Jian	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$2,188	\$1,247	\$3,436
Li, Dr. Xiaohua	US Air Force Office of Scientific Research	ERSES-5G: Integrated 5G Imaging and Communication Surveillance as an Edge Service Secured by a Lightweight Environmental Fingerprint Consensus Blockchain	50	\$4,944	\$2,818	\$7,762
Summerville, Dr. Douglas H	Jaunt Air Mobility LLC	The Development of Extreme Fast Charging (XFC) Solutions to Support Electric Aircraft Development and Large-scale Production and Fleet Support	100	\$1,925	\$1,097	\$3,022
Zhang, Dr. Ziang	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$2,188	\$1,247	\$3,436
Zhang, Dr. Ziang	NYS Energy Research and Development Authority	Stability Impact Analysis of the New York Power Grid with High Penetration of Inverter Based Distributed Energy Resources Agreement 159612	60	\$8,809	\$5,021	\$13,831

<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	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	20	\$2,123	\$552	\$2,675
Zhang, Dr. Ziang	NYS Energy Research and Development Authority	Agreement 127609- A Flexible Storage Plus Distributed Energy Resource (DER) Solution for Warehouse Energy Management	60	\$24,684	\$13,411	\$38,096
Zhang, Dr. Ziang	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	20	\$5,037	\$2,871	\$7,908
Zhou, Dr. Ning	National Science Foundation	CAREER: Integrated Dynamic State Estimation for Monitoring Power Systems Under High Uncertainty and Variation	100	\$19,485	\$11,106	\$30,591
Zhou, Dr. Ning	Pacific Northwest National Laboratory	Correlation Analysis of Wide-Area Oscillations in the Eastern Interconnection	100	\$765	\$435	\$1,200
Zhou, Dr. Ning	US Department of Energy	Asynchronous Distributed and Adaptive Parameter Tuning (ADAPT) for Hybrid PV Plants	25	\$2,188	\$1,247	\$3,436

Department Total: \$500,208

020 English

Brown, Dr. David Sterling	American Council of Learned Societies	Minding Whiteness: The Racial Imaginaries of Our Time	100	\$35,168	\$0	\$35,168
---------------------------	---------------------------------------	---	-----	----------	-----	----------

Department Total: \$35,168

020 Entrepreneurship and Innovation Partnership

Iankova- TERMED, Ms. Elena	Multiple Sponsors	Export NY Coordinator and Continued CIBA Activities	100	\$1,200	\$180	\$1,380
McKeage, Mr. Louis G	Economic Development Administration	Trade Adjustment Assistance Center Service New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$121,602	\$23,348	\$144,950

<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>
McKeage, Mr. Louis G	Economic Development Administration	Trade Adjustment Assistance Center Service New York, New Jersey, and the Commonwealth of Puerto Rico	100	\$48,982	\$0	\$48,982
McLeod, Dr. Kenneth J	VentureWell	Faculty Grant - Developing an Entrepreneurial Mindset in First Year Women Students	100	\$1,792	\$0	\$1,792
Petrova, Dr. Olga	National Science Foundation	I-Corps: Manufacturing Process for Recycled Glass Pozzolan	100	\$1,665	\$185	\$1,850
Petrova, Dr. Olga	VentureWell	KLAW Industries Recycled Glass Cement Replacement	100	\$10,000	\$0	\$10,000
Stromhaug, Dr. Per	NYS Energy Research and Development Authority	Southern Tier Clean Energy Incubator-NYSERDA 110470	100	\$70,620	\$18,361	\$88,981
Stromhaug, Dr. Per	Economic Development Administration	EDA i6 Challenge Binghamton XCEEDs	100	\$77,868	\$0	\$77,868
Stromhaug, Dr. Per	NYS Energy Research and Development Authority	Southern Tier Clean Energy Incubator-NYSERDA 110470	100	\$15,412	\$4,007	\$19,419
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$16,962	\$9,668	\$26,630
Stromhaug, Dr. Per	National Science Foundation	Type 1: Innovation Binghamton NSF I-Corps Site	100	\$13,701	\$0	\$13,701
Stromhaug, Dr. Per	NYS Department of Economic Development	Binghamton University's Business Incubator Program	100	\$34,431	\$0	\$34,431
Department Total:				\$469,984		

020 Geological Sci & Environmental Studies

<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>
de Smet, Dr. Timothy	National Science Foundation	I-Corps: An integrated wide-area unmanned aerial vehicle (UAV) aeromagnetic survey system targeting orphaned oil and gas wells	50	\$2,940	\$327	\$3,267
Graney, Dr. Joseph R	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$1,531	\$765	\$2,296
Jenkins, Dr. David M	National Science Foundation	Stability and Thermochemistry of some Chlorine-Bearing Calcium Amphiboles	100	\$11,320	\$6,452	\$17,773
Knuepfer, Dr. Peter	NYS Department of Environmental Conservation	Great Lakes Small Grants Program	100	\$19,674	\$0	\$19,674
Kulp, Dr. Thomas	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$1,531	\$765	\$2,296
Lowenstein, Dr. Tim K	National Science Foundation	Collaborative Research: Regional hydrologic and vegetation changes over the last 150 kyr in the Searles and Death Valley basins	100	\$7,085	\$4,039	\$11,124
Lowenstein, Dr. Tim K	US Israel Binational Science Foundation	Evaporite deposition in deep hypersaline basins: New insights from modern halite in the Dead Sea	100	\$56	\$8	\$64
Lowenstein, Dr. Tim K	National Science Foundation	GP-EXTRA: Freshman Research in Biogeochemistry for Engagement and Retention	20	\$1,531	\$765	\$2,296
Lowenstein, Dr. Tim K	National Science Foundation	Collaborative Research: Anatomy of a Greenhouse World: The Early Eocene of the Green River Basin, Wyoming	100	\$7,385	\$1,920	\$9,305
Nikulin, Dr. Alex	American Chemical Society	Unconventional Seismic Imaging in Unconventional Reservoir Characterization : A Passive-Source Seismic Investigation of the Marcellus and Utica Shale Plays	100	\$6,769	\$0	\$6,769
Nikulin, Dr. Alex	National Science Foundation	I-Corps: An integrated wide-area unmanned aerial vehicle (UAV) aeromagnetic survey system targeting orphaned oil and gas wells	50	\$2,940	\$327	\$3,267

<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>
Patterson, Dr. Molly	National Science Foundation	COLLABORATIVE RESEARCH: Orbital-scale Variability of the West Antarctic Ice Sheet and the Formation of Bottom Water in the Ross Sea during Pliocene-Pleistocene	100	\$20,645	\$5,368	\$26,013
				Department Total:	\$104,144	
020 Graduate School Dean						
Mahler, Dr. Gretchen J	National Science Foundation	Graduate Research Fellowship Program	100	\$7,486	\$0	\$7,486
Mahler, Dr. Gretchen J	National Science Foundation	Graduate Research Fellowship Funding 2021-2026	100	\$3,158	\$0	\$3,158
Mahler, Dr. Gretchen J	National Science Foundation	Graduate Research Fellowship Funding 2021-2026	100	\$13,252	\$0	\$13,252
				Department Total:	\$23,896	
020 Health and Wellness Studies						
Begdache, Ms. Lina A	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	25	\$3,788	\$2,159	\$5,946
				Department Total:	\$5,946	
020 Library Administration						
Parks, Ms. Heather	NYS Education Department	Conservation & Preservation 2020-2022	100	\$4,824	\$0	\$4,824
				Department Total:	\$4,824	
020 Mathematical Sciences						
Chen, Dr. Mei-Hsiu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$10,322	\$5,884	\$16,206

<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>
Kargin, Dr. Vladislav	Simons Foundation	Research on Random Matrices and its Applications	100	\$400	\$80	\$480
Malkiewich, Dr. Cary	National Science Foundation	Algebraic K-Theory in Fixed-Point Theory and Smooth Manifolds	100	\$13,701	\$7,810	\$21,511
Ontaneda, Dr. Pedro	National Science Foundation	Challenges in Negative and Nonpositive Curvature	100	\$23,405	\$13,341	\$36,746
Polunchenko, Dr. Aleksey S	Simons Foundation	New advances in quickest change-point detection with applications	100	\$2,346	\$392	\$2,737

Department Total: \$77,680

020 Mechanical Engineering

Chiarot, Dr. Paul	National Science Foundation	CAREER: Additive Manufacturing using Electro spray Printing of Nanoparticle Inks	100	\$24,806	\$13,643	\$38,450
Chiarot, Dr. Paul	Purdue University	Chiarot 2020 SRC CHIRP: Conformal Polymeric Thin Films Manufacturing Using Electro spray Printing	100	\$16,857	\$9,609	\$26,466
Chiarot, Dr. Paul	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$7,919	\$4,514	\$12,433
Cho, Dr. Junghyun	Honeywell Federal Manufacturing & Technologies LLC	PDRD-Conformal Coating Tine Whiskers year 3 Rev. 2	100	\$26,362	\$15,026	\$41,388
Cho, Dr. Junghyun	Universal Instruments Corporation	Electronic Assembly Solder Alloy Development	100	\$8,424	\$2,190	\$10,614
Huang, Dr. Pong-Yu	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$10,322	\$5,884	\$16,206

<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>
Huang, Dr. Pong-Yu	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	33	\$7,919	\$4,514	\$12,433
Ke, Dr. Changhong	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$1,751	\$982	\$2,733
Ke, Dr. Changhong	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$18,103	\$10,318	\$28,421
Ke, Dr. Changhong	National Science Foundation	Collaborative Research: Exploiting Nanoscale Interfaces to Enhance Bulk Mechanical Response of Additively Manufactured Boron Nitride Nanotube-Metal Composites	100	\$16,518	\$9,415	\$25,933
Ke, Dr. Changhong	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	33	\$13,559	\$7,729	\$21,287
Miles, Dr. Ronald N	National Inst on Deafness & Other Comm Disorders	Capacitive Pressure/ Velocity Probe for Acoustic Measurements in the Human Ear Canal	67	\$27,528	\$15,691	\$43,220
Murray, Dr. Bruce T	National Science Foundation	Mechanobiology of Myofibroblast Behavior in Health and Disease	25	\$10,322	\$5,884	\$16,206
Park, Dr. Seungbae	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,728	\$985	\$2,713
Park, Dr. Seungbae	General Electric Global Research	ACORN (Air-deployable Cost-effective Organic Radiation Nodes)	100	\$702	\$400	\$1,102
Park, Dr. Seungbae	Koh Young Technology Incorporated	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	34	\$15,698	\$8,948	\$24,645
Park, Dr. Seungbae	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$46	\$26	\$73

<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	Purdue University	CHIRP: Minimizing Thermal Interfacial Resistance in Heterogeneous Integrated Integration (HI): A Benchmarking Study and Production Tool (Proposal Number W32613)	25	\$4,596	\$2,620	\$7,216
Park, Dr. Seungbae	Koh Young Technology Incorporated	Development of Pick and Placement Machine On/Offline Optimization and Diagnosis Modules in Printed Circuit Board Assembly Process	34	\$14,829	\$8,452	\$23,281
Park, Dr. Seungbae	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	33	\$4,776	\$2,722	\$7,499
Pitarresi, Dr. James	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$6,303	\$2,368	\$8,671
Sammakia, Dr. Bahgat G	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	25	\$1,751	\$982	\$2,733
Sammakia, Dr. Bahgat G	Multiple Sponsors	Sounding Rocket Design	100	\$957	\$0	\$957
Sammakia, Dr. Bahgat G	NASA NY Space Grant Consortium	AeroBing Rocketry Research Group	100	\$1,185	\$0	\$1,185
Sammakia, Dr. Bahgat G	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	34	\$4,921	\$2,805	\$7,726
Sammakia, Dr. Bahgat G	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$46	\$26	\$73
Sammakia, Dr. Bahgat G	Purdue University	Sammakia 2020 SRC CHIRP: Design, Fabrication, and Testing of Metal Porous Media for Thermal Capacitor and Immersion Cooling Applications	100	\$10,296	\$5,869	\$16,165

<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	Purdue University	CHIRP: Minimizing Thermal Interfacial Resistance in Heterogeneous Integrated Integration (HI): A Benchmarking Study and Production Tool (Proposal Number W32613)	25	\$4,596	\$2,620	\$7,216
Sammakia, Dr. Bahgat G	Purdue University	CHIRP: Direct Liquid and Two Phase Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages: Experimental and Analytical Studies at the Device and Module Levels (Proposal Number W32612)	34	\$2,382	\$1,358	\$3,740
Sammakia, Dr. Bahgat G	Purdue University	CHIRP: Exploration of Holistic Scaleout Designs Within Heterogeneous Packages for HPC/Server Processors (Proposal Number	50	\$5,494	\$3,132	\$8,626
Sammakia, Dr. Bahgat G	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,728	\$985	\$2,713
Schiffres, Dr. Scott	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,728	\$985	\$2,713
Schiffres, Dr. Scott	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$46	\$26	\$73
Schiffres, Dr. Scott	National Science Foundation	PFI-TTT: Enhanced Electronic Cooling via 3D Printing from Additive Laser Fabrication of Heat Removal Devices	50	\$3,502	\$1,963	\$5,465
Schiffres, Dr. Scott	Purdue University	CHIRP: Minimizing Thermal Interfacial Resistance in Heterogeneous Integrated Integration (HI): A Benchmarking Study and Production Tool (Proposal Number W32613)	50	\$9,192	\$5,239	\$14,431
Schiffres, Dr. Scott	Purdue University	CHIRP: Direct Liquid and Two Phase Cooling of High Heat Flux Electronics in Heterogeneous Integrated (HI) Packages: Experimental and Analytical Studies at the Device and Module Levels (Proposal Number W32612)	33	\$2,312	\$1,318	\$3,630
Schiffres, Dr. Scott	National Science Foundation	CAREER: Intermetallic Interfacial Thermal Transport for Advanced Electronics Manufacturing	100	\$11,261	\$6,419	\$17,680

<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>
Schiffres, Dr. Scott	Purdue University	Radiation-Hard Microelectronics Workforce Development Consortium Subagreement No. 13000844-021	33	\$4,776	\$2,722	\$7,499
Towfighian, Dr. Shahrzad	National Science Foundation	MEMS High Voltage Triboelectric Levitation: A Generactuator	100	\$5,992	\$1,558	\$7,549
Towfighian, Dr. Shahrzad	National Science Foundation	MEMS High Voltage Triboelectric Levitation: A Generactuator	100	\$26,078	\$14,865	\$40,943
Towfighian, Dr. Shahrzad	National Science Foundation	MEMS High Voltage Triboelectric Levitation: A Generactuator	100	\$12,000	\$0	\$12,000
Towfighian, Dr. Shahrzad	Flex Tech Alliance	Soft ElectroNic Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$869	\$495	\$1,365
Yong, Dr. Xin Frank	National Science Foundation	Capillary-Assisted Printing of Structured Colloidal Monolayers	34	\$8,159	\$4,651	\$12,809
Yong, Dr. Xin Frank	National Institute of General Medical Sciences	Small-molecule membrane interactions as a driver of bacterial outer membrane vesicle biogenesis across species	50	\$14,134	\$8,056	\$22,190
Zhou, Dr. Guangwen	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	5	\$2,231	\$1,272	\$3,503
Zhou, Dr. Guangwen	Empire State Development Corp	HTMG: EFRC-NE Center of Energy Storage	12.5	\$2,285	\$343	\$2,628
Zhou, Dr. Guangwen	National Science Foundation	Collaborative Research: Coordinated In-Situ Dynamic Experiments and Atomistic Modeling of Surface Segregation in Alloys	100	\$13,198	\$7,523	\$20,721
Zhou, Dr. Guangwen	US Department of Energy	In Situ Visualization and Theoretical Modeling of Early Stages of Oxidation of Metals and Alloys	100	\$5,966	\$3,401	\$9,367

Department Total: \$606,689

<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 Pharmaceutical Sciences						
Beedle, Dr. Aaron	ReveraGen Biopharma Incorporated	SBIR Phasel: Building an Evidentiary Case for Circulating GHBP as a Biomarker for Drug Associated Stunting of Growth	100	\$9,944	\$5,668	\$15,612
Brooks, Dr. Tracy	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$20,012	\$11,407	\$31,419
Brooks, Dr. Tracy	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	25	\$2,839	\$1,618	\$4,457
Davis, Dr. Tony D	National Institute of General Medical Sciences	Interrogation of Microbial Natural Product mEthyltransferases	100	\$10,322	\$5,884	\$16,206
Edwards, Dr. Katie	Childrens Research Institute	Bridging pharmacodynamic biomarkers to clinical outcomes in pediatric inflammatory diseases (2020-2021)	100	\$1,764	\$1,005	\$2,769
Hathout, Dr. Yetrib	Childrens Research Institute	Bridging Pharmacodynamic Biomarkers to Clinical Outcomes in Pediatric Inflammatory Diseases	100	\$15,434	\$8,797	\$24,232
Hathout, Dr. Yetrib	Vertex Pharmaceuticals Incorporated	Generation of Stable Isotope Labeled Dystrophin Through Culturing of Immortalized Human Muscle Cells	100	\$3,520	\$880	\$4,400
Hathout, Dr. Yetrib	US Army Medical Research Acquisition Activity	Clinical Utility of Serum Protein Biomarkers in Very Young Duchenne Muscular Dystrophy Boys	100	\$5,029	\$0	\$5,029
Nagaraju, Dr. Kanneboyina	DB Therapeutics Incorporated	Unrestricted Research: DB Therapeutics in the area of radiotherapeutic bandage	100	\$8,690	\$1,304	\$9,994
Nagaraju, Dr. Kanneboyina	CURE JM Foundation	Testing and screening potential compounds for efficacy in a mouse model of myositis and the effect of Type 1 Interferon on muscle function and weakness in myositis	100	\$14,446	\$0	\$14,446

<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	Foundation to Eradicate Duchenne	Immune response to dystrophin after Etiperson treatment in Duchenne Muscular Dystrophy Children	100	\$504	\$50	\$555
Nagaraju, Dr. Kanneboyina	Parent Project for Muscular Dystrophy Research Inc	Targeting the innate immune system to block acute inflammatory and chronic immune responses to transgene and AAV vector in DMD	100	\$53,496	\$0	\$53,496
Nagaraju, Dr. Kanneboyina	Parent Project for Muscular Dystrophy Research Inc	Effect of Immunomodulatory Treatments on Immune Response After Gene Correction in DMD	100	\$24,301	\$1,215	\$25,516
Tumey, Dr. L Nathan	National Institute of General Medical Sciences	Exploiting the Hydrophobic Glycosyl Pocket of IgG1 for Imaging and Drug Delivery Applications	50	\$5,678	\$3,236	\$8,914
Tumey, Dr. L Nathan	National Institute of Allergy & Infectious Disease	Cell-specific blockage of TLR activation: A new strategy for addressing inflammatory disorders	100	\$57,394	\$32,715	\$90,109
Tumey, Dr. L Nathan	National Cancer Institute	Synthesis and Optimization of antibody: DNAi conjugates targeting the MYC G4	50	\$20,012	\$11,407	\$31,419
Tumey, Dr. L Nathan	National Institute of Allergy & Infectious Disease	"Molecular whack-a-mole": Targeting Transmembrane- TNFa for the Delivery of Anti-Inflammatory Drgus	100	\$16,080	\$9,166	\$25,246
				Department Total:	\$363,819	
020 Pharmacy Practice						
Kufel, Dr. Wesley	Merck Sharp and Dohme Corporation	A quasi-experimental study to evaluate the use of empiric antibiotic order sets for common infectious states	100	\$0	\$7,500	\$7,500
				Department Total:	\$7,500	
020 Philosophy						
Pensky, Dr. Maxim	Auschwitz Inst for the Prev of Genocide & Mass Atrocities	An Analysis of the Relation Between Speech Legitimizing Violence	50	\$500	\$25	\$525
				Department Total:	\$525	

<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 Physics Applied Physics & Astronomy						
Aynajian, Dr. Pegor	National Science Foundation	CAREER: Visualizing Emergent Electronic States Near Quantum Phase Transitions	100	\$20,388	\$11,621	\$32,010
Cotts, Dr. Eric	Universal Instruments Corporation	Electromigration Characterization of Low Temperature Solder Alloys	100	\$4,857	\$1,263	\$6,120
Cotts, Dr. Eric	Universal Instruments Corporation	Electromigration Characterization of Low Temperature Solder Alloys	100	\$18	\$5	\$23
Kolmogorov, Dr. Alexey	National Science Foundation	Theory-Guided Discovery of Tin-Based Materials	100	\$18,689	\$10,653	\$29,342
Kolmogorov, Dr. Alexey	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$2,695	\$1,536	\$4,232
Lawler, Dr. Michael	National Science Foundation	Collaborative Research: Integrating Physics and Generative Machine Learning Models for Inverse Materials Design	100	\$24,329	\$13,868	\$38,197
Lawler, Dr. Michael	National Science Foundation	Collaborative Research: Machine Learning Methods for Multi-Disciplinary Multi-Scale Problems	100	\$22,424	\$12,782	\$35,205
Lee, Dr. Wei-Cheng	National Science Foundation	EAGER: Collaborative Research: Exploring Physics Guided Machine Learning for Accelerating Sensing and Physical Sciences	100	\$6,520	\$3,716	\$10,237
Lee, Dr. Wei-Cheng	Georgia Institute of Technology	MURI17: Cross-disciplinary Electronic-ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$18,205	\$10,377	\$28,581
Margine, Dr. Elena Roxana	National Science Foundation	Institutional Partnership to Create Successful Student Transition in Smart Energy & Materials	20	\$6,303	\$2,368	\$8,671
Margine, Dr. Elena Roxana	National Science Foundation	EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors	50	\$2,695	\$1,536	\$4,232

<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>
Margine, Dr. Elena Roxana	National Science Foundation	Towards Ab Initio Prediction of Superconducting Properties	100	\$3,076	\$1,753	\$4,829
Margine, Dr. Elena Roxana	National Science Foundation	S12-SSE: Expanding the Scope of Materials Modeling with Electron Phonon Wannier (EPW) Software	100	\$27,035	\$15,410	\$42,445
Mativetsky, Dr. Jeffrey	National Science Foundation	CAREER: Charge Photogeneration and Transport in Organic Semiconductor Nanowires	100	\$10,795	\$5,937	\$16,732
Mativetsky, Dr. Jeffrey	National Science Foundation	REU Site: Renewable Energy Generation and Storage	100	\$13,918	\$6,719	\$20,637
Piper, Dr. Louis	Empire State Development Corp	HTMG: EFRC-NE Center of Energy Storage	12.5	\$2,285	\$343	\$2,628
Piper, Dr. Louis	US Department of Energy	Northeast Center for Chemical Energy Storage(NECCES)	5.76	\$2,570	\$1,465	\$4,035
Piper, Dr. Louis	Georgia Institute of Technology	MURI17: Cross-disciplinary Electronic-ionic Research Enabling Biologically Realistic Autonomous Learning (CEREBRAL)	100	\$27,498	\$15,674	\$43,172
Piper, Dr. Louis	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$9,093	\$5,183	\$14,276
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	\$5,083	\$2,348	\$7,432
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	\$21,134	\$12,046	\$33,180
Shim, Dr. Bonggu	National Science Foundation	Study of Wavelength Dependence of Plasma Collision Dynamics and Ionization Mechanism in Laser Solid Matter Interactions	100	\$14,036	\$8,000	\$22,036

<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>
Smeu, Dr. Manuel	National Science Foundation	Rational Design of Oxide Cathode Coating for High Performance Li-ion Batteries	33	\$9,093	\$5,183	\$14,276
Yao, Ms. Lan	National Institute of General Medical Sciences	Rational Design of pH-Low Insertion Peptides for Cargo Delivery	30	\$505	\$288	\$793
Department Total:				\$423,322		
020 Political Science						
Karakoc, Dr. Ekrem	University of Calgary	International Business in the Middle East and North Africa MENA: danger zones or the land of opportunity	100	\$64	\$0	\$64
Department Total:				\$64		
020 Psychology						
Balderrama-Durbin, Dr. Christina	National Institute for Alcohol Abuse & Alcoholism	An Integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	50	\$28,581	\$6,922	\$35,503
Balderrama-Durbin, Dr. Christina	Wright State University	Lesbian, Gay, and Bisexual Couples in the Military: A post DADT Examination of Relationship Health, Perceived Community Acceptance and Mission Readiness Subaward No. 670766-1	100	\$1,055	\$601	\$1,656
Bishop, Dr. Christopher	Michael J Fox Foundation	Chemogenetic and Pharmacological Targeting of the Raphe-Cortical Pathway to Reduce the Development and Expression of L-DOPA-induced Psychosis	100	\$40,223	\$4,482	\$44,705
Bishop, Dr. Christopher	Melior Discovery Incorporated	Melior Discovery Materials Testing Agreement	100	\$3,019	\$755	\$3,773
Bishop, Dr. Christopher	Howard Hughes Medical Institute	Howard Hughes Support - Freshman Research Immersion (FRI) Models	50	\$318	\$0	\$318

<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>
Bishop, Dr. Christopher	University of North Texas Health Science Center	Increasing Nigral Tyrosine Hydroxylase Expression as a Mechanism of Exercise-Mediated Recovery: Evaluation in Toxin and Rat Parkinson's Disease Genetic Models HS763-0000154195/HS763-0000154199	100	\$28,837	\$16,437	\$45,274
Cameron, Dr. Nicole M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$49	\$28	\$77
Coles, Dr. Meredith	Multiple Sponsors	Income from Services of Binghamton Anxiety Clinic	100	\$462	\$69	\$531
Coles, Dr. Meredith	SiMmersion	Simulated Clinician Assessment for Cognitive Behavioral Therapy Skills (2020-2021) R01MH112625	50	\$14,004	\$7,842	\$21,846
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	90	\$1,811	\$1,032	\$2,844
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$26,518	\$15,115	\$41,634
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	75	\$3,449	\$1,966	\$5,415
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	75	\$57,846	\$32,972	\$90,818
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	33.3	\$15,071	\$1,206	\$16,277
Deak, Dr. Terrence	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$51,761	\$18,816	\$70,578
Di Lorenzo, Dr. Patricia M	National Inst on Deafness & Other Comm Disorders	Temporal Coding in the Gustatory System of the Brain	100	\$29,585	\$16,864	\$46,449

<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>
Di Lorenzo, Dr. Patricia M	National Institute of General Medical Sciences	SUNY UPSTATE BRIDGES TO THE BACCALAUREATE PROGRAM (SUBBP)	50	\$61,289	\$4,903	\$66,192
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	25	\$19,282	\$10,991	\$30,273
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	25	\$1,150	\$655	\$1,805
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$451	\$257	\$709
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	30	\$19,387	\$11,051	\$30,438
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Impact of Prenatal Ethanol on BLA Synaptic Plasticity	50	\$18,093	\$10,313	\$28,406
Diaz, Dr. Marvin R	American Psychological Association	Moderate Prenatal Alchol Exposure on Gestational Day 12 Sex-Dependently Impairs Social Behavior in Adult Offspring: The Role of the Basolateral Amygdala-to-Prelimbic Prefrontal Cortex Projection	100	\$245	\$0	\$245
Diaz, Dr. Marvin R	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	30	\$3,234	\$1,844	\$5,078
Gaspelin, Dr. Nicholas	National Science Foundation	CAREER: Understanding the Relationship of Covert and Overt Attention Using Concurrent EEG and Eye Tracking	100	\$6,591	\$3,757	\$10,348
Gerhardstein, Dr. Peter C	National Institute of Mental Health	Attentional Biases for Affective Cues in Infants of Depressed Mothers	10	\$3,659	\$2,086	\$5,745
Gibb, Dr. Brandon E	National Institute of Mental Health	Attentional Biases for Affective Cues in Infants of Depressed Mothers	90	\$32,935	\$18,773	\$51,707

<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>
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	2019-2020 Children's Unit for Treatment and Evaluation	100	(\$4,633)	(\$695)	(\$5,328)
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit for Treatment and Evaluation 2020-2021	100	\$346,636	\$51,995	\$398,632
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	2021-2022 Children's Unit for Treatment and Evaluation	100	\$696,053	\$104,408	\$800,461
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	Children's Unit Special Programs/ Institute for Child Development	100	\$10,285	\$1,543	\$11,828
Gillis Mattson, Dr. Jennifer M	Multiple Sponsors	School District Income for SEDCAR/IDEA Funding	100	\$4,242	\$339	\$4,582
Gillis Mattson, Dr. Jennifer M	Order of the Eastern Star of New York	Autism Research	100	\$418	\$63	\$481
Harding, Dr. Thomas	ARK Psychology LLC	Clinical Placement Agreement Between Ark Psychology PLLC and the Research Foundation for SUNY	100	\$5,653	\$0	\$5,653
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$101	\$57	\$158
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	70	\$7,547	\$4,302	\$11,849
Jentsch, Dr. James David	Regents of the University of California Los Angeles	Genetic Pathways for impulsivity and drug reinforcement: DNA and transcriptome variation in mice (2021-2022)	100	\$30,466	\$17,366	\$47,832
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	70	\$45,237	\$25,785	\$71,022

<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	Jackson Laboratory	2020-2021 Center for Systems Neurogenetics of Addiction Subaward 210247-0421-06	100	\$2,533	\$1,419	\$3,952
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	33.4	\$15,116	\$1,209	\$16,326
Jentsch, Dr. James David	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	100	\$15,395	\$1,232	\$16,627
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Impact on early life stress on accumbal kappa opioid signaling and ethonal intake	100	\$36,434	\$2,915	\$39,349
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$14,111	\$8,043	\$22,155
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Mechanisms of rostrocaudal differences in accumbal kappa opioid receptor effects on ethonal drinking	100	\$14,858	\$8,469	\$23,328
Karkhanis, Dr. Anushree N	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	100	\$790	\$450	\$1,241
Lim, Dr. Sung-Joo	American Speech Language Hearing Foundation	Neural System for Attentional Control in Speech Processing	100	\$12,600	\$0	\$12,600
Loney, Dr. Gregory	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$0	\$12,432	\$12,432
Mastroleo, Dr. Nadine	Brown University	Enhancing the Efficacy and Duration of a Brief Alcohol Intervention Using Self-Affirmation	100	\$2,362	\$1,346	\$3,709
Mastroleo, Dr. Nadine	Brown University	Behavioral Science and Biostatistics Resource Code for Alcohol-HIV Research Federal Award 5U24AA022003-06	100	\$6,177	\$3,397	\$9,574

<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>
Mastroleo, Dr. Nadine	National Institute for Alcohol Abuse & Alcoholism	An Integrated Brief Alcohol and PTSD Intervention for Veterans in Primary Care	50	\$28,581	\$6,922	\$35,503
Mastroleo, Dr. Nadine	SiMmersion	Simulated Clinician Assessment for Cognitive Behavioral Therapy Skills (2020-2021) R01MH112625	50	\$14,004	\$7,842	\$21,846
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	7/8 NADIA U01 Recovery of Adolescent Alcohol Disruption of Basal Forebrain-Cortical Projection Circuits	100	\$4,235	\$2,414	\$6,648
Savage, Dr. Lisa M	National Institute of General Medical Sciences	SUNY UPSTATE BRIDGES TO THE BACCALAUREATE PROGRAM (SUBBP)	50	\$61,289	\$4,903	\$66,192
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$59,983	\$34,190	\$94,174
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$51,761	\$18,816	\$70,578
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	7/8 NADIA U01 Recovery of Adolescent Alcohol Disruption of Basal Forebrain-Cortical Projection Circuits	100	\$84,474	\$45,015	\$129,489
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$101	\$57	\$158
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	100	\$16,269	\$9,273	\$25,542
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$49	\$28	\$77
Savage, Dr. Lisa M	National Institute for Alcohol Abuse & Alcoholism	Development and Neuroadaptations in Alcohol and Addiction	33.3	\$15,071	\$1,206	\$16,277

<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	2/8 NADIA U01 Adolescent Alcohol Exposure: Neural Contributors to Sex- and Exposure Timing-Specific Anxiety	50	\$4,722	\$2,691	\$7,413
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	5	\$49	\$28	\$77
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	25	\$3,082	\$1,757	\$4,839
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Prenatal Alcohol and Anxiety: An Ontogenetic Role for CRF	50	\$451	\$257	\$709
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent Alcohol Exposure: Neural Contributors to Sex- and Exposure Timing-Specific Anxiety	50	\$42,111	\$22,396	\$64,506
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Impact of Prenatal Ethanol on BLA Synaptic Plasticity	50	\$18,093	\$10,313	\$28,406
Varlinskaia, Dr. Elena I	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$18,493	\$10,541	\$29,034
Varodayan, Dr. Florence Prabha	National Institute for Alcohol Abuse & Alcoholism	Alcohol-induced neuroadaptation of prefrontal cortical projections	100	\$39,768	\$22,668	\$62,436
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Role of Neural Activity and Perineuronal Nets in Adolescent Intermittent Ethanol- Induced Social Anxiety	100	\$6,137	\$0	\$6,137
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	75	\$9,246	\$5,270	\$14,517
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center 2021-2022	85	\$829	\$473	\$1,302

<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>
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent Alcohol Exposure: Neural Contributors to Sex- and Exposure Timing-Specific Anxiety	50	\$4,722	\$2,691	\$7,413
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	50	\$18,493	\$10,541	\$29,034
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	Developmental Exposure Alcohol Research Center	100	\$30,014	\$17,108	\$47,121
Werner, Dr. David F.	National Institute for Alcohol Abuse & Alcoholism	2/8 NADIA U01 Adolescent Alcohol Exposure: Neural Contributors to Sex- and Exposure Timing-Specific Anxiety	50	\$42,111	\$22,396	\$64,506

Department Total: \$3,001,034

020 Public Archaeology Facility

Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessments: Cayuta Van Den Hurk Solar Project, Cicero Rhyndland Solar Project, Scotch Ridge Solar Project, Westmoreland Utility Scale Solar Project: LaBella Project Nos. 2212596, 2212598, 2212602, 2212603	100	\$6,769	\$1,015	\$7,784
Miroff, Dr. Laurie E	C&S Companies	Alfred State College, Phase 1B Archeological Assessment SUCF Project 221013	100	\$546	\$82	\$628
Miroff, Dr. Laurie E	Environmental Design & Research	Phase 1B Survey Fieldwork (Week of June 7-11, 2021) South Ripley Solar Project, Chautauqua County, NY	100	\$5,409	\$811	\$6,221
Miroff, Dr. Laurie E	Environmental Design & Research	Phase 1B Survey Fieldwork (Weeks of June 14-18 & June 21-25), South Ripley Solar Project, Chautauqua, NY	100	\$8,687	\$1,303	\$9,990
Miroff, Dr. Laurie E	F.S. Lopke Contracting Incorporated	Phase 3 Data Recovery of Clusters 1-7 of the Ayers 2 Site, Town of Nichols, Tioga County, NY	100	\$36,244	\$5,437	\$41,681

<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>
Miroff, Dr. Laurie E	LaBella Associates	Historical Resource Survey/ Phase 1 Architectural Survey for the Enfiled Solar Development with the Town of Enfield, Tompkins County, NY	100	\$4,183	\$627	\$4,811
Miroff, Dr. Laurie E	LaBella Associates	York Run Solar Project, Phase 1A Archaeological Assessmen	100	\$2,576	\$386	\$2,962
Miroff, Dr. Laurie E	LaBella Associates	Phase I Initial Historic Resource and Phase 1A Archaeological Assessment within the Town of Rutland, Jefferson County, NY	100	\$2,237	\$336	\$2,573
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessment within the Town of Wawayanda, Orange County, NY	100	\$3,253	\$488	\$3,741
Miroff, Dr. Laurie E	Mid-State Communications	CRS (FCC 620) BCS Tower Project, Town of Orange, Schuyler County, NY	100	\$1,882	\$282	\$2,164
Miroff, Dr. Laurie E	Stantec Architecture	Project #2007130123- Site DBU9- Cohoes Located at 1 Mustang Drive, Cohoes, NY 12047	100	\$508	\$76	\$585
Miroff, Dr. Laurie E	Capital Growth Buchalter	Combined Phase 1A Assessment/ Phase 1B Survey (Single Report), Ellisburg Dollar General Project, Village of Ellisburg, Jefferson County, NY	100	\$2,612	\$392	\$3,004
Miroff, Dr. Laurie E	Onondaga County Soil and Water Conservation Dist	Archeological Survey: Shotwell Brook Streambank, Stabliztion Project, Phase 1 Archaeological Survey, Town of Skaneateles, Onondaga County, NY	100	\$2,009	\$301	\$2,310
Miroff, Dr. Laurie E	National Park Service	Urban Archeology Corps	100	\$67	\$12	\$79
Miroff, Dr. Laurie E	Todd Post	Combined Phase 1A/ 1B Archaeological Survey, Fleming Buck Point Road Development Project, Town of Fleming, Cayuga County, NY	100	\$2,553	\$383	\$2,936
Miroff, Dr. Laurie E	Stantec Architecture	Site DBU9- Cohoes Phase 1B Archaeological Survey	100	\$3,534	\$530	\$4,064

<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>
Miroff, Dr. Laurie E	LaBella Associates	LaBella Project 2102536: Phase 1 Initial Historic Resource and Phase 1A Archaeological Assessments within the Town of Dekalb, St. Lawrence County, New York and the Town of Lyme, Jefferson County, New York.	100	\$3,986	\$598	\$4,584
Miroff, Dr. Laurie E	LaBella Associates	Phase 1A Archaeological Assessment/ Phase 1A/1B Archaeological Survey for the Proposed NY CDG Oneida 2 Solar Project in the Town of Rome, Oneida County, NY	100	\$11,411	\$1,712	\$13,123
Miroff, Dr. Laurie E	NYS Education Department	Cultural Resources Program Year 5 of 5	100	\$93,218	\$13,983	\$107,200
Miroff, Dr. Laurie E	Multiple Sponsors	Miscellaneous Income from PAF Activities	100	\$5	\$1	\$6
Miroff, Dr. Laurie E	National Park Service	Historical and Archaeological Survey of the Battlefield of Fort Bull, NY	100	\$3,092	\$0	\$3,092
Miroff, Dr. Laurie E	Hudson Crossing Park Inc.	Battlefield Resource Survey of the Saratoga (Siege) Battlefield, ABPP Grant P18AP00520, Towns of Easton, Saratoga, and Northumberland, NY	100	\$8,746	\$1,312	\$10,058
Miroff, Dr. Laurie E	Sage Engineering Associates	TOA-412 KSO Cultural Resource Historic Preservation Mitigation Project	100	\$6,325	\$949	\$7,274
Miroff, Dr. Laurie E	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$3,272	\$793	\$4,065
Miroff, Dr. Laurie E	Lamont Engineers	Phase 3 Data Recovery of the Lords/ Wells Site for the Sidney Water System Improvement Project, Village of Sidney, Delaware County, NY	100	\$12,362	\$1,854	\$14,216
Miroff, Dr. Laurie E	Shumaker Consulting Engineering&Land Surveying PC	Ithaca Farmer's Market Project, Phase 1A Archaeological Assessment and Phase 1B Archaeological Survey, City of Ithaca, Tompkins County, NY	100	\$299	\$45	\$344

<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>
Miroff, Dr. Laurie E	F.S. Lopke Contracting Incorporated	Phase 3 Data Recovery of Clusters A, B, D, & E of Ayers 1 Site, Town of Nichols, Tioga County NY	100	\$9,865	\$1,480	\$11,345
Miroff, Dr. Laurie E	Stantec Consulting Services Inc	West Creek under Noble Street	100	\$600	\$90	\$689
Miroff, Dr. Laurie E	Stantec Consulting Services Inc	County Road 35 (Slab City) Over Trout Brook Municipal Contract D040142	100	\$568	\$85	\$653
Miroff, Dr. Laurie E	LaBella Associates	Rutland Solar Project, Phase 1A Archaeological Assessment with Walkover, Jefferson County, NY	100	\$539	\$81	\$620
Miroff, Dr. Laurie E	Fagan Engineers	CNGC Line 15, Rathbone-Cameron Mills Gas Line Replacement Project, Phase 1A Archaeological Assessment, Town of Rathbone, Steuben County, NY	100	\$2,042	\$306	\$2,349
Miroff, Dr. Laurie E	Fagan Engineers	CNGC Line 15, Rathbone-Cameron Mills Gas Line Replacement Project, Phase 1B Archaeological Assessment, Town of Rathbone, Steuben County, NY	100	\$4,766	\$715	\$5,481
Miroff, Dr. Laurie E	Bethel Woods Center for the Arts	Mapping Proposal Woodstock Bindy Bazaar Project, Bethel, Sullivan County, NY	100	\$817	\$123	\$940
Miroff, Dr. Laurie E	Delta Engineers	7351 Cider Street Project, Phase 1A Archaeological Assessment, Town of Westmoreland, Oneida County, NY	100	\$577	\$87	\$664
Miroff, Dr. Laurie E	LaBella Associates	Langdon Substation Contingency Parcel Project, Phase 2 Site Examinations of Locus 1-5 of the Terrace Drive Site, Town of Conklin, Broome County, NY	100	\$11,561	\$1,734	\$13,295
O'Donovan, Dr. Maria	Multiple Sponsors	Journal for the Council of Northeast Historical Archaeology	100	\$126	\$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>
Versaggi, Dr. Nina M	National Park Service	Archaeological Overview & Assessment if the St. Gabriel's and Waggon seller Farm Parcels, Valley Forge National Historical Park, King of Prussia, PA	100	\$7,256	\$1,233	\$8,489
Versaggi, Dr. Nina M	National Science Foundation	Engaging Rural Youth in Multidisciplinary Inquiry through Archaeology	25	\$3,272	\$793	\$4,065
Versaggi, Dr. Nina M	National Park Service	Oneida Castle Battlefield Archaeological Survey	100	\$18,402	\$2,760	\$21,163
Department Total:				\$329,391		

020 Research VP

Czarnecki, Dr. Steven V.	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$3,778	\$2,153	\$5,931
Czarnecki, Dr. Steven V.	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$1,592	\$414	\$2,006
Park, Dr. Seungbae	Multiple Sponsors	Symposium and Other IEEC Activities	100	\$2,734	\$683	\$3,417
Rangarajan, Dr. Srikanth	Applied Materials	Design, Develop and Demonstrate a True 3D Packaging	25	\$1,728	\$985	\$2,713
Rangarajan, Dr. Srikanth	SUNY Applied Materials Research Institute	Design, Develop and Demonstrate a True 3D Packaging	25	\$46	\$26	\$73
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Advances in Integration and Packaging of Electronic Systems	100	\$5,328	\$799	\$6,126
Turner, Mr. James	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$1,592	\$414	\$2,006

<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>
Turner, Mr. James N	Flex Tech Alliance	Improved ECG Monitor with Capacitive Electrodes	20	(\$60)	(\$34)	(\$95)
Turner, Mr. James N	National Science Foundation	PFI-TT: Next Generation High Energy Storage, Light Weight Capacitors	15	\$3,778	\$2,153	\$5,931
Department Total:				\$28,109		
020 School Of Management						
Dionne, Ms. Shelley	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education	50	\$1,962	\$0	\$1,962
Dionne, Ms. Shelley	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33.33	\$141	\$0	\$141
Tsai, Dr. Chou-Yu	Waseda University	Model Development and Data Analysis for Business Idea Generation Process on Entrepreneurship Education	50	\$1,962	\$0	\$1,962
Yammarino, Dr. Francis J	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33.33	\$141	\$0	\$141
Department Total:				\$4,205		
020 School of Nursing Academic						
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science 2017-2022	100	\$134,996	\$10,800	\$145,796
Bryant, Dr. Sharon A	US Department of Education	Binghamton University Upward Bound Math and Science 2017-2022	100	\$4,330	\$0	\$4,330
Bryant, Dr. Sharon A	NYS Education Department	Science Technology Entry Program 2020-2021	50	\$7,190	\$145	\$7,335

<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	STEP 2021-2022	50	\$12,663	\$1,013	\$13,676
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$15,292	\$0	\$15,292
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$37,838	\$3,027	\$40,865
Fronczek, Ms. Ann	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$10,684	\$855	\$11,538
Gabel, Dr. Rodney	Family Enrichment Network	Clinical Placement Agreement between Family Enrichment Network and The Research Foundation For The State University of New York, Binghamton University	100	\$2,217	\$576	\$2,793
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$10,684	\$855	\$11,538
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$15,292	\$0	\$15,292
Rouhana, Dr. Nicole A.	Health Resources and Services Admin	Advancing Nursing Education Workforce	50	\$37,838	\$3,027	\$40,865
Rouhana, Dr. Nicole A.	Mary Imogene Bassett Hospital	Advanced Nursing Education- Nurse Practitioner Residence Program (ANE-NPR Program)	100	\$6,471	\$647	\$7,118
Sutherland, Ms. Melissa A	Agency for Healthcare Research and Quality	Multi-Level Influences of Violence Screening in College Health Centers	60	\$6,949	\$2,655	\$9,604
Department Total:				\$326,042		

020 Small Business Dev Center

<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>
Goldstein, Mr. Brian C	Small Business Administration	SBDC 2020/2021	100	\$69,933	\$8,392	\$78,325
Layman, Ms. Rochelle	Empire State Development Corp	ESD Covid-19 Disaster Relief Technical Assistance Grants	100	\$8,086	\$809	\$8,894
Layman, Ms. Rochelle	Alternatives Venture Fund	SEED Program for Small Business Development in Tompkins County	100	\$13,541	\$1,625	\$15,166
Layman, Ms. Rochelle	Small Business Administration	Small Business Development Centers Cares Act	100	\$72,698	\$8,724	\$81,422
Department Total:				\$183,807		
020 Sociology						
Roth, Dr. Benita	Social Science Research Council	Fighting the Opioid Epidemic in Upstate New York: marginalized voices, activism, and community	100	\$10,754	\$0	\$10,754
Department Total:				\$10,754		
020 Student Affairs V P						
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program 2017-2022	100	\$103,102	\$7,993	\$111,095
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program 2017-2022	100	(\$61)	\$0	(\$61)
Givre, Dr. Sophia J.	US Department of Education	Binghamton University Upward Bound Rural Program 2017-2022	100	\$47	\$0	\$47
Givre, Dr. Sophia J.	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	\$175,308	\$13,430	\$188,738

<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>
Givre, Dr. Sophia J.	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	(\$180)	\$0	(\$180)
Givre, Dr. Sophia J.	US Department of Education	2018-2022 Binghamton University Upward Bound Program	100	\$145	\$0	\$145
Rebello, Mr. Stephen Michael	US Department of Education	2016-2021 Student Support Services Program	100	\$82,220	\$6,578	\$88,797
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services Program at Binghamton University 2021-2026	100	\$18,750	\$1,500	\$20,250
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services STEM Program at Binghamton University 2020-2025	100	\$3,050	\$0	\$3,050
Rebello, Mr. Stephen Michael	US Department of Education	2016-2021 Student Support Services Program	100	\$20,160	\$0	\$20,160
Rebello, Mr. Stephen Michael	US Department of Education	Student Support Services STEM Program at Binghamton University 2020-2025	100	\$59,170	\$4,734	\$63,903
Department Total:				\$495,944		

020 Systems Science and Indust Eng (SSIE)

Borgesen, Mr. Peter	Purdue University	CHIRP: Alternative Fine Pitch Interconnect Technologies for SiPs (Proposal Number W32617)	100	\$17,989	\$10,254	\$28,243
Borgesen, Mr. Peter	Purdue University	Borgesen 2020 SRC CHIRP: Reliable Low Temperature Solder Approach	100	\$20,198	\$11,513	\$31,711
Cheng, Dr. Changqing	Trustees of Columbia University in the City of New York	BD Hubs: NORTHEAST: The Northeast Big Data Innovation Hub Subaward No: 10(GG01486-02)	100	\$0	\$0	\$0

<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>
Cheng, Dr. Changqing	National Science Foundation	EAGER International Type 11: Sustainable International Collaboration in Spaitotemporal Modeling of Human Mobility and Contagion Dynamics for COVID-19	100	\$3,046	\$1,736	\$4,782
Chung, Dr. Sunghoon	National Science Foundation	Collaborative Research: Arc Routing Problems in Combined Drone/ Truck Fleets	100	\$12,079	\$6,885	\$18,964
Deng, Dr. Jia	National Science Foundation	Multiple-Energy- Assisted Ultrasharp Probe-Based Nanomanufacturing for High-Resolution and High-Efficiency Nanopatterning	50	\$18,103	\$10,318	\$28,421
Greene, Dr. Christopher M	SMART High Reliability Solutions	Continual Process Improvement Research for Complex Surface Mount Device Assemblies	50	\$488	\$127	\$614
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Advancement in the Assembly Process of Complex Surface Mount Devices	50	\$4,195	\$1,091	\$5,286
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices Assemblies Utilizing Advanced Process Research	50	\$7,096	\$1,845	\$8,941
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Quality and Reliability Process Analysis for Complex Electronics Assembly	50	\$17,650	\$4,589	\$22,240
Greene, Dr. Christopher M	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices	50	\$9,261	\$2,408	\$11,669
Khasawneh, Dr. Mohammad	EwingCole	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	50	\$4,488	\$1,167	\$5,655
Khasawneh, Dr. Mohammad	Smart Modular Technologies Inc	Quality and Reliability Process Analyses for Complex Electronics Assemblies	50	\$2,189	\$569	\$2,759

<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	Waseda University	Modeling and Analysis for "How Does Diversity of Individuals Affect the Structure of Society?: A Constructive Approach Using Adaptive Networks" Part 1: Mathematical Analysis of Social Network Models	100	\$2,906	\$1,656	\$4,562
Khasawneh, Dr. Mohammad	LiveOnNY	Performance Improvement of Clinical Practices and Operations Research 2021-2022	25	\$2,579	\$671	\$3,250
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	33	\$8,638	\$2,246	\$10,884
Khasawneh, Dr. Mohammad	Westchester Medical Center	Process Analysis and System Development to Enhance Operational Excellence	50	\$3,476	\$904	\$4,380
Khasawneh, Dr. Mohammad	Navicent Health	Healthcare Analytics and Solutions R&D at Navicent Health	34	\$18,925	\$4,921	\$23,845
Khasawneh, Dr. Mohammad	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	50	\$5,560	\$1,446	\$7,005
Khasawneh, Dr. Mohammad	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management	50	\$8,508	\$2,212	\$10,720
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$390	\$101	\$491
Khasawneh, Dr. Mohammad	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$27,253	\$7,086	\$34,339
Khasawneh, Dr. Mohammad	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$4,219	\$1,097	\$5,316
Kwon, Dr. Soongeol	EOS Energy Enterprises	Application Engineering Support for Technical Solutions in Battery Energy	33	\$4,993	\$1,298	\$6,291

<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>
Kwon, Dr. Soongeol	Innovation Associates	Development of a Simulation-Based Pharmacy Automation System Test Environment Integrated with Virtual Machine Emulators	33	\$27,204	\$7,073	\$34,277
Kwon, Dr. Soongeol	Innovation Associates	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementation	25	\$4,017	\$1,045	\$5,062
Lam, Dr. Sarah	Navicent Health	Healthcare Analytics and Solutions R&D at Navicent Health	33	\$18,368	\$4,776	\$23,144
Lu, Dr. Susan Shuxia	National Science Foundation	I-Corps: Low-Cost and Highly Efficient Hydrogen Production from Water Splitting	50	\$1,972	\$219	\$2,191
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Assembly and Automation in a Surface Mount Technology Company	50	\$6,230	\$1,620	\$7,850
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	50	\$288	\$75	\$362
Nagarur, Dr. Nagendra	Sanmina Corporation	Research in Quality Engineering in Electronics Packaging and Manufacturing	50	\$12,170	\$3,164	\$15,334
Poliks, Dr. Mark D	Empire State Development Corp	Wireless Vital Sign Monitoring Devices for Ambulatory Care	100	\$316,160	\$0	\$316,160
Poliks, Dr. Mark D	NextFlex	5.2A Datacube: Printed Stretchable Conductors	100	\$30,947	\$10,858	\$41,804
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match to Project 5.2A: DataCube: Printed Stretchable Conductors	100	\$63,026	\$17,303	\$80,329
Poliks, Dr. Mark D	Flex Tech Alliance	5.5 Passive UHF-RFID Tag with Encrypted Security Features for Authentication and Tamper	100	\$126,476	\$30,616	\$157,092

<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 to PC5.5	100	\$42,794	\$11,891	\$54,685
Poliks, Dr. Mark D	NextFlex	Temperature and Humidity Sensing - Phase 1 - (10049)	100	\$25,919	\$2,306	\$28,224
Poliks, Dr. Mark D	Empire State Development Corp	Project 5.8 - Temperature and Humidity Sensing	100	\$173	\$98	\$271
Poliks, Dr. Mark D	Flex Tech Alliance	Wireless Vital Sign Monitoring Devices for Ambulatory Care	100	\$244,407	\$6,301	\$250,708
Poliks, Dr. Mark D	Lux Semiconductors Incorporated	SBIR Phase 2: Circuit Fabrication and Development on Novel Thin-Film Crystalline Silicon	100	\$3,109	\$1,772	\$4,880
Poliks, Dr. Mark D	Corning Incorporated	FlexMed: Metalization and R2R Processing on the Thin Flexible Inorganic Substrates	100	\$8	\$4	\$12
Poliks, Dr. Mark D	Flex Tech Alliance	Soft ElectroNc Skin-Innervated Robotic Work for Rapid Maintenance of Strategic Assets (Sensiworm)	50	\$869	\$495	\$1,365
Poliks, Dr. Mark D	Flex Tech Alliance	Improved ECG Monitor with Capacitive Electrodes	20	(\$60)	(\$34)	(\$95)
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match: Project 5.7 Additively Manufactured High Temperature Electronics for Hypersonics	100	\$1,212	\$691	\$1,904
Poliks, Dr. Mark D	NextFlex	ADP- Topic 5.8: Temperature and Humidity Sensing Tag Phase 2 Funding	100	\$22,091	\$368	\$22,460
Poliks, Dr. Mark D	Empire State Development Corp	ESD Funded- AFRL Flexible Hybrid Electronics Phase 0 Foundational Engineering Problem	100	\$4,950	\$2,822	\$7,772

<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 to Project 5.4- Factory-to-Field Embedded Sensing for Structural Components	100	\$22,401	\$12,769	\$35,170
Poliks, Dr. Mark D	NextFlex	Project 5.4: Factory-to-Field Embedded Sensing for Structural Components (10044)	100	\$12,714	\$7,247	\$19,962
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match to PC 4.9 Small Unmanned Aircraft Systems (SUAS) using Flexible Hybrid Electronics for Expanded Multi-Mission Operation	100	\$16,952	\$0	\$16,952
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match to PC 4.9 Small Unmanned Aircraft Systems (SUAS) using Flexible Hybrid Electronics for Expanded Multi-Mission Operation	100	\$1,508	\$860	\$2,368
Poliks, Dr. Mark D	NextFlex	PC 4.9 Small Unmanned Aircraft Systems (SUAS) using Flexible Hybrid Electronics for Expanded Multi-Mission Operation	100	\$49,249	\$0	\$49,249
Poliks, Dr. Mark D	NextFlex	PC 4.9 Small Unmanned Aircraft Systems (SUAS) using Flexible Hybrid Electronics for Expanded Multi-Mission Operation	100	\$12,793	\$7,292	\$20,086
Poliks, Dr. Mark D	Empire State Development Corp	ESD Match to 4.8 Wearable Interstitial Fluid Biomarker Monitoring Device	100	\$6,858	\$0	\$6,858
Poliks, Dr. Mark D	NextFlex	4.8 Wearable Interstitial Fluid Biomarker Monitoring Device (10037)	100	\$98,461	\$0	\$98,461
Poliks, Dr. Mark D	Flex Tech Alliance	NextFlex- AFRL Flexible Hybrid Electronics Phase 0 Foundational Engineering Problem	100	(\$380)	(\$217)	(\$597)
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$4,092	\$586	\$4,678
Poliks, Dr. Mark D	NYS Department of Economic Development	Center For Flexible Hybrid Medical Device Manufacturing	100	\$207,542	\$16,401	\$223,943

<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	Operational Account	100	\$72	\$41	\$113
Poliks, Dr. Mark D	NextFlex	Project 5.7: Additively Manufactured High Temperature Electronics for Hypersonics (10048)	100	\$106	\$60	\$166
Sayama, Dr. Hiroki	National Science Foundation	Diversity, Network Structure, and the Effectiveness of Collective Design and Innovation	33.34	\$141	\$0	\$141
Si, Dr. Bing	Agency for Healthcare Research and Quality	Multi-Level Influences of Violence Screening in College Health Centers	40	\$4,632	\$1,770	\$6,403
Srihari, Dr. Krishnaswami	EwingCole	Healthcare Practice Research and Development through Operational Planning and Simulation Modeling	50	\$4,488	\$1,167	\$5,655
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Materials, Assembly, and Automation in Printed Circuit Board Assembly	50	\$288	\$75	\$362
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Quality and Reliability Process Analyses for Complex Electronics Assemblies	50	\$2,189	\$569	\$2,759
Srihari, Dr. Krishnaswami	Facebook Incorporated	Hardware Validation Testing Solution Development for Operations Integration at Facebook Infrastructure SOW INB2389116	100	\$2,825	\$735	\$3,560
Srihari, Dr. Krishnaswami	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	34	\$4,972	\$1,293	\$6,265
Srihari, Dr. Krishnaswami	LiveOnNY	Performance Improvement of Clinical Practices and Operations Research 2021-2022	25	\$2,579	\$671	\$3,250
Srihari, Dr. Krishnaswami	Innovation Associates	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementation	25	\$4,017	\$1,045	\$5,062

<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>
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Advancement in the Assembly Process of Complex Surface Mount Devices	50	\$4,195	\$1,091	\$5,286
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices Assemblies Utilizing Advanced Process Research	50	\$7,096	\$1,845	\$8,941
Srihari, Dr. Krishnaswami	Innovation Associates	Development of a Simulation-Based Pharmacy Automation System Test Environment Integrated with Virtual Machine Emulators	34	\$28,028	\$7,287	\$35,316
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	34	\$8,900	\$2,314	\$11,214
Srihari, Dr. Krishnaswami	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$390	\$101	\$491
Srihari, Dr. Krishnaswami	United Health Services Hospitals Incorporated	Business Intelligence & Performance Improvement R&D	50	\$27,253	\$7,086	\$34,339
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Continual Process Improvement for the Assembly of Advanced Complex Surface Mount Devices	50	\$9,261	\$2,408	\$11,669
Srihari, Dr. Krishnaswami	EOS Energy Enterprises	Application Engineering Support for Technical Solutions in Battery Energy	34	\$5,144	\$1,337	\$6,481
Srihari, Dr. Krishnaswami	SMART High Reliability Solutions	Continual Process Improvement Research for Complex Surface Mount Device Assemblies	50	\$488	\$127	\$614
Srihari, Dr. Krishnaswami	Raymond Corporation	Standard Work Documentation and Performance improvement in Raymond Logistics	34	\$3,837	\$998	\$4,834
Srihari, Dr. Krishnaswami	Smart Modular Technologies Inc	Quality and Reliability Process Analysis for Complex Electronics Assembly	50	\$17,650	\$4,589	\$22,240

<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. Krishnaswami	Memorial Sloan Kettering Cancer Center	Improving Quality, Safety and Patient Flow and Outpatient Medication Management	50	\$8,508	\$2,212	\$10,720
Srihari, Dr. Krishnaswami	Montefiore Hospital and Medical Center	Process Analysis and Performance Excellence for Integrated Delivery Care Systems	50	\$5,560	\$1,446	\$7,005
Srihari, Dr. Krishnaswami	Navicent Health	Healthcare Analytics and Solutions R&D at Navicent Health	33	\$18,368	\$4,776	\$23,144
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Quality Engineering in Electronics Packaging and Manufacturing	50	\$12,170	\$3,164	\$15,334
Srihari, Dr. Krishnaswami	Sapphire Automation	Digital Transformation of Smart Manufacturing Using an AI/ML - based Approach	34	\$5,006	\$1,302	\$6,308
Srihari, Dr. Krishnaswami	TidalHealth	Continuous Performance Improvement and System Modeling Support for TidalHealth, Inc	50	\$4,219	\$1,097	\$5,316
Srihari, Dr. Krishnaswami	Sanmina Corporation	Research in Assembly and Automation in a Surface Mount Technology Company	50	\$6,230	\$1,620	\$7,850
Srihari, Dr. Krishnaswami	Westchester Medical Center	Process Analysis and System Development to Enhance Operational Excellence	50	\$3,476	\$904	\$4,380
Wang, Dr. Yong	Raymond Corporation	Standard Work Documentation and Performance improvement in Raymond Logistics	33	\$3,724	\$968	\$4,692
Wang, Dr. Yong	EOS Energy Enterprises	Application Engineering Support for Technical Solutions in Battery Energy	33	\$4,993	\$1,298	\$6,291
Wang, Dr. Yong	Montefiore Hospital and Medical Center	Business Process Engineering Support for Network Management Systems CMO (AMD 22)	33	\$8,638	\$2,246	\$10,884

<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>
Wang, Dr. Yong	Innovation Associates	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementation	25	\$4,017	\$1,045	\$5,062
Won, Dr. Daehan	Koh Young Technology Incorporated	Development of Pick and Placement Machine On/Offline Optimization and Diagnosis Modules in Printed Circuit Board Assembly Process	33	\$14,393	\$8,204	\$22,597
Won, Dr. Daehan	LiveOnNY	Performance Improvement of Clinical Practices and Operations Research 2021-2022	25	\$2,579	\$671	\$3,250
Won, Dr. Daehan	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	33	\$4,826	\$1,255	\$6,080
Won, Dr. Daehan	Nano-Bio Materials Consortium	Epifluidics for Stress Monitoring	30	\$4,545	\$2,591	\$7,136
Won, Dr. Daehan	Sapphire Automation	Digital Transformation of Smart Manufacturing Using an AI/ML - based Approach	33	\$4,859	\$1,263	\$6,122
Won, Dr. Daehan	Koh Young Technology Incorporated	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	33	\$15,236	\$8,684	\$23,920
Yoon, Dr. Sangwon	Koh Young Technology Incorporated	Development of Closed-Loop Control and Optimization Modules of the Printed Circuit Board Assembly Processes in Surface Mount Technology	33	\$15,236	\$8,684	\$23,920
Yoon, Dr. Sangwon	Lattice Semiconductor	Interactive Data Management Platform to Drive Smart Manufacturing in Fabless Semiconductor Manufacturing Chains	33	\$4,826	\$1,255	\$6,080
Yoon, Dr. Sangwon	Innovation Associates	Mail-Order Pharmacy Analysis and Design: Simulation, Quotation Process, and Industry 4.0 Implementation	25	\$4,017	\$1,045	\$5,062
Yoon, Dr. Sangwon	Innovation Associates	Development of a Simulation-Based Pharmacy Automation System Test Environment Integrated with Virtual Machine Emulators	33	\$27,204	\$7,073	\$34,277

<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	Sapphire Automation	Digital Transformation of Smart Manufacturing Using an AI/ML - based Approach	33	\$4,859	\$1,263	\$6,122
Yoon, Dr. Sangwon	Raymond Corporation	Standard Work Documentation and Performance improvement in Raymond Logistics	33	\$3,724	\$968	\$4,692
Yoon, Dr. Sangwon	Koh Young Technology Incorporated	Development of Pick and Placement Machine On/Offline Optimization and Diagnosis Modules in Printed Circuit Board Assembly Process	33	\$14,393	\$8,204	\$22,597
Yoon, Dr. Sangwon	LiveOnNY	Performance Improvement of Clinical Practices and Operations Research 2021-2022	25	\$2,579	\$671	\$3,250

Department Total: \$2,270,538

020 Watson School Deans Office

Craver, Dr. Scott	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	\$16,857	\$277	\$17,133
Ghose, Dr. Kanad	Bloomberg LP	Industry/University Cooperative Research Center in Energy-Smart Electronic Systems Membership (ES2)	50	\$10,437	\$1,044	\$11,481
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$15,503	\$1,550	\$17,053
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$4,167	\$0	\$4,167
Ghose, Dr. Kanad	Vertiv	Vertiv's ES2/ IUCRC Membership 2020-2021	50	\$30	\$3	\$33
Ghose, Dr. Kanad	BAE Systems Controls Incorporated	BAE 2020 ES2 I/UCRC membership Agreement	50	\$1,058	\$106	\$1,164

<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	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$6,035	\$603	\$6,638
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	\$1,180	\$673	\$1,852
Ghose, Dr. Kanad	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$8,509	\$4,850	\$13,359
Ghose, Dr. Kanad	Future Facilities Incorporated	Future Facilities ES2 Membership	50	\$577	\$58	\$635
Ghose, Dr. Kanad	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$4,167	\$0	\$4,167
Ghose, Dr. Kanad	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$590	\$336	\$926
Gieskes, Mr. Koenraad E.	NYS Education Department	STEP 2021-2022	50	\$12,663	\$1,013	\$13,676
Majors, Ms. Monica	NYS Education Department	Science Technology Entry Program 2020-2021	50	\$7,190	\$145	\$7,335
Park, Dr. Seungbae	NYS Department of Economic Development	NYS CAT Funding for 2021-2022	100	\$148,652	\$22,294	\$170,946
Park, Dr. Seungbae	Juniper Networks Incorporated	Juniper Network Membership in the IEEC 2021-2022	100	\$1,000	\$200	\$1,200
Park, Dr. Seungbae	NYS Department of Economic Development	NYS CAT Funding for 2020-2021	100	\$26,002	\$4,721	\$30,724

<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	Ashlawn Energy, LLC	Ashlawn Energy 2019-2020 IEEC Membership	100	(\$16,667)	(\$3,333)	(\$20,000)
Park, Dr. Seungbae	Lockheed Martin Corporation	Lockheed Martin's IEEC Membership	100	\$17,648	\$3,530	\$21,178
Park, Dr. Seungbae	Raymond Corporation	Raymond Corporation's Participating Membership in the IEEC 2018-2021	100	\$34	\$7	\$41
Park, Dr. Seungbae	IBM Corporation	IEEC Membership- IBM 2018-2022 Agreement No 4913015695.1	100	\$15,587	\$3,117	\$18,704
Park, Dr. Seungbae	Dupont Speciality Products USA LLC	E.I. du Pont IEEC Membership	100	\$1,000	\$200	\$1,200
Park, Dr. Seungbae	Xilinx	IEEC Center Membership Agreement	100	\$1,413	\$283	\$1,696
Park, Dr. Seungbae	Prismark Partners LLC	Prismark Partner's Participating Membership in the IEEC	100	\$1,916	\$383	\$2,299
Park, Dr. Seungbae	Advanced Semiconductor Engineering Incorporated	ASE's Membership in the IEEC, 2015-2022	100	\$19,342	\$3,868	\$23,211
Park, Dr. Seungbae	Corning Incorporated	IEEC Membership 2015-2021 - Corning Inc.	100	\$82	\$16	\$99
Park, Dr. Seungbae	NYS Department of Economic Development	Center for Advanced Technology September 1, 2015-June 30, 2020	100	\$39,400	\$0	\$39,400
Park, Dr. Seungbae	AVO Photonics	Avo Photonics IEEC Membership 2020-2021	100	\$4,000	\$800	\$4,800

<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	Koh Young Technology Incorporated	Integrated Electronics Engineering Center Membership 2018-2022	100	\$10,347	\$2,069	\$12,417
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	COE Carry Forward Balances	100	\$23,925	\$696	\$24,621
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence - Small Scale Systems Integration and Packaging (S3IP 2020-2021)	100	\$1,149	\$172	\$1,322
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence - Small Scale Systems Integration and Packaging (S3IP 2020-2021)	100	\$1,129	\$169	\$1,298
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$15,503	\$1,550	\$17,053
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$4,167	\$0	\$4,167
Sammakia, Dr. Bahgat G	Multiple Sponsors	Memberships for NSF Industry/University Cooperative Research Center in Energy-Smart Electronic systems	50	\$4,167	\$0	\$4,167
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence - Small Scale Systems Integration and Packaging (S3IP 2020-2021)	100	\$1,129	\$169	\$1,299
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	COE 2021-2022	100	\$203,731	\$29,768	\$233,499
Sammakia, Dr. Bahgat G	Bloomberg LP	Industry/University Cooperative Research Center in Energy-Smart Electronic Systems Membership (ES2)	50	\$10,437	\$1,044	\$11,481
Sammakia, Dr. Bahgat G	Vertiv	Vertiv's ES2/ IUCRC Membership 2020-2021	50	\$30	\$3	\$33

<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	NYS Department of Economic Development	Center of Excellence - Small Scale Systems Integration and Packaging (S3IP 2020-2021)	100	\$23,426	\$3,514	\$26,940
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence - Small Scale Systems Integration and Packaging (S3IP 2020-2021)	100	\$20,172	\$1,937	\$22,109
Sammakia, Dr. Bahgat G	Future Facilities Incorporated	Future Facilities ES2 Membership	50	\$577	\$58	\$635
Sammakia, Dr. Bahgat G	NYS Department of Economic Development	Center of Excellence Small Scale Systems Integration and Packaging (S3IP) 2019-2020	100	\$1,069	\$0	\$1,069
Sammakia, Dr. Bahgat G	Villanova University	PHASE II- IUCRC Center for Energy-Smart Electronic Systems - Subaward 525877 FleischerBinghamton	50	\$590	\$336	\$926
Sammakia, Dr. Bahgat G	Xilinx	Xilinx I/UCRC Membership 2017-2022	50	\$6,035	\$603	\$6,638
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	\$1,180	\$673	\$1,852
Sammakia, Dr. Bahgat G	National Science Foundation	Phase II IUCRC Binghamton University Center for Energy-Smart Electronic Systems (ES2)	50	\$8,509	\$4,850	\$13,359
Sammakia, Dr. Bahgat G	BAE Systems Controls Incorporated	BAE 2020 ES2 I/UCRC membership Agreement	50	\$1,058	\$106	\$1,164
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income Received Through Watson School Continuing Education for SSIE Activities	100	\$6,676	\$1,669	\$8,345
Srihari, Dr. Krishnaswami	Multiple Sponsors	Income from Watson School Continuing Education Miscellaneous Activities	100	\$9,606	\$2,402	\$12,008

Department Total: \$801,515

<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>
---------------------	---------------------	--------------------	-----------------------------------	------------------------------	---------------------------	-----------------------

Total:	\$14,831,834
---------------	---------------------